

POOL TECHNOLOGY



EXPORT PRICE LIST 2017/2018



GEMAS has been established in 23.09.1993 by the initiative of Mr. İ BRAHİ M ÜSTÜNES who is currently the general manager of the company. In our region, GEMAS is a leader manufacturing company; having 1500 m² office, 10000 m² indoor production facility + warehouse and 180 employee. The company has a continuous tendency of growing by means of the deep experience on engineering and manufacturing in swimming pool sector.

GEMAS has a very wide range of products, manufactured under ISO 9001-2000 quality management system approved by TUV Sud; namely:

Plastic, Bobbin Wound and FRP Sand Filters, Multiport Valves, Self-priming Pumps, Skimmers, Underwater Lights, Transformers, Inlets, Main Drains, Ladders, Diving Boards, Overflow Gratings, Automatic pH and Redox Controllers, Cleaners and Cleaning Accessories, Ball Valves & Check Valves, Olympic Pool Accessories, Heaters and Fountain Nozzles.

GEMAS is ready to provide all high quality swimming pool products with competitive prices as well as very high customer satisfaction.



DIN EN ISO 9001:2000

GEMAS



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PRODUCTION HAS BEGUN IN OUR IZMIR FACTORY

10.000 m² indoor space of the total 15.000 m² is completed in our new production facility, which is located at ITOB Industry Zone in Izmir, Turkey.

As soon as the rest of the construction is completed, GEMAS will have one of the most modern production facility in the entire swimming pool industry.



Istanbul Head Office





Izmir Factory



Izmir Factory



Izmir Factory



Istanbul Warehouse



GENERAL TERMS OF TRADING

Art.1. Price

Quoted prices are exclusive of VAT and of delivery. If delivery is to be organized by GEMAS, the Customer is liable to pay delivery charges to GEMAS.

Art. 2. Specifications

In order to improve the quality of our products, GEMAS shall not be under a liability in respect of specifications, illustrations or other matter in relation to goods contained in any material such as brochures, price list or trade publications, descriptive or advertising matter or delivery notes other than in respect of specifications expressly set out in GEMAS' acknowledgment order.

Art. 3. Orders

No liability shall be attached to GEMAS, its agent or employees in respect of any representation or statement made, whether before or after agreement is reached, unless confirmed in written by GEMAS. In case of cancellation of a special order, we reserve the right to invoice all the items included in the manufacturing of this product or order.

Art. 4 Payment

Subject to any special terms agreed in writing between GEMAS and the Customer, for the first order payment for the goods shall be made in cash net with order, and delivery shall not be made until payment has been received in full set by GEMAS. In the event of default in payment by the due date, GEMAS reserves the right to charge interest on all amounts overdue at the rate of 1% calculated on a monthly basis (a part of a month being treated as a full month for this purpose) until payment in full is made and to suspend delivery or terminate the contract in respect of any of the goods or services delivered to the Customer. If GEMAS takes any legal action against a customer for a non-payment, the Customer will have to pay 20% fees of the total due amount. The Customer accepts that the liabilities of GEMAS caused by the guarantee conditions cannot be an excuse for the Customer's delay in payment.

Art. 5. Delivery

Our goods are sold ex-works Izmir - Turkey. GEMAS may organize the carriage of the goods to the Customer if it is specified so in the order acknowledgement. Notification of short deliveries or loss or damage to goods in transit must be made in writing to the transport company within three working days of the date when the goods have or should have been delivered. GEMAS shall bear no liability therefore unless such notification is made by the Customer and confirmed by GEMAS. Any date or time given by GEMAS to the Customer for the delivery of the goods is an estimate only. While GEMAS will always endeavor to meet dates or times given or specified by either party, no such dates or times shall be binding on GEMAS or form part of the contract. GEMAS will not accept any order cancellation, nor penalties in case of a late delivery. The Customer will bear the cost of any urgent courier dispatch.

Art. 6. Goods return

No goods shall be returned without our previous acceptance within 8 days. The Customer will bear the transport costs. If the return is accepted the Customer shall pay 15% of the invoiced value.

Art. 7. Guarantee

GEMAS warrants the goods to be of satisfactory quality from the dispatch date and takes effects after full payment of the goods. The guarantee expires once the goods have been modified out of factory. The guarantee is limited to the replacement or repair of the parts which have been proved defective, therefore no labor, no travelling expenses, no transport, no damage nor whatsoever compensation may be claimed to GEMAS. The guarantee applies only if the installation complies with professional standards. Guarantee liability of GEMAS is only to the Customer, and does not include the third parties, such as the customers of the Customer.

Art. 8. Title to the goods

Notwithstanding delivery and the passing of risk in the goods, or any other provision of these conditions, title in the goods remains vested in GEMAS and shall only pass from GEMAS to the Customer upon full payment being made by the Customer of all sums due, on whatever account or grounds to GEMAS. In the event of goods being sold by the Customer in such a manner as to pass to a third party a valid title to the goods, whilst any such sums are due to GEMAS, GEMAS' right under this condition shall attach to such part of the proceeds of sales as is equivalent to the sums due to GEMAS and the Customer shall place the relevant part of the proceeds of sale in a separate account. Until such time as title to the goods passes to the Customer, the Customer shall hold the goods as GEMAS' fiduciary agent and bailee, and shall keep the goods separate from those of the Customer and the third parties and properly stored, protected and insured and identified as GEMAS' property. Until that the time the Customer shall be entitled to resell or use the goods in the ordinary course of its business, but shall account to GEMAS for proceeds of sale or otherwise of the goods whether tangible or intangible, including insurance proceeds, and shall keep all such proceeds separate from any money or property of the Customer and third parties and this case of tangible proceeds properly stored, protected and insured. Until such time as title to the goods passes to the Customer (and provided goods are still in existence and have not been resold) GEMAS shall be entitled at any time to require the Customer to deliver up the goods to GEMAS and if the Customer fails to do so forthwith, to enter upon any premises of the Customer or any third parties where the goods are stored and repossess the goods.

Art. 9. Claims

The application of these provisions is exclusively governed by the Turkish laws. In case of any dispute arising from the execution of an order in all or part of its modalities or regarding the interpretation of these general terms, the only competent shall be the Turkish courts, even in the case of a plurality of defendants, appeals to guarantee or indivisible or connected requests.

BANK ACCOUNT

• HALKBANK IBAN No:

TR58 0001 2009 7290 0058 0000 60 (1)

TR06 0001 2009 7290 0053 0000 64 (\$)

Swift Code: TRHBTR2A35AXXX

• GARANTİ BANKASI IBAN No:

TR95 0006 2000 2070 0009 0015 16 (1)

TR76 0006 2000 2070 0009 0016 64 (\$)

Swift Code: TGBATRISXXX

GEMAS

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GEMAS "TURBIDRON SL" SAND FILTER
Transparent Lid with Lighting Option



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GEMAS "TURBIDRON" BOBIN WOUND
Horizontal Sand Filter



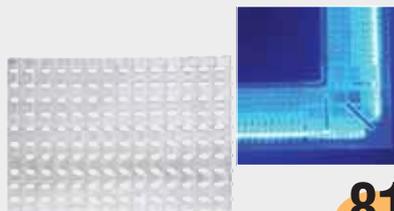
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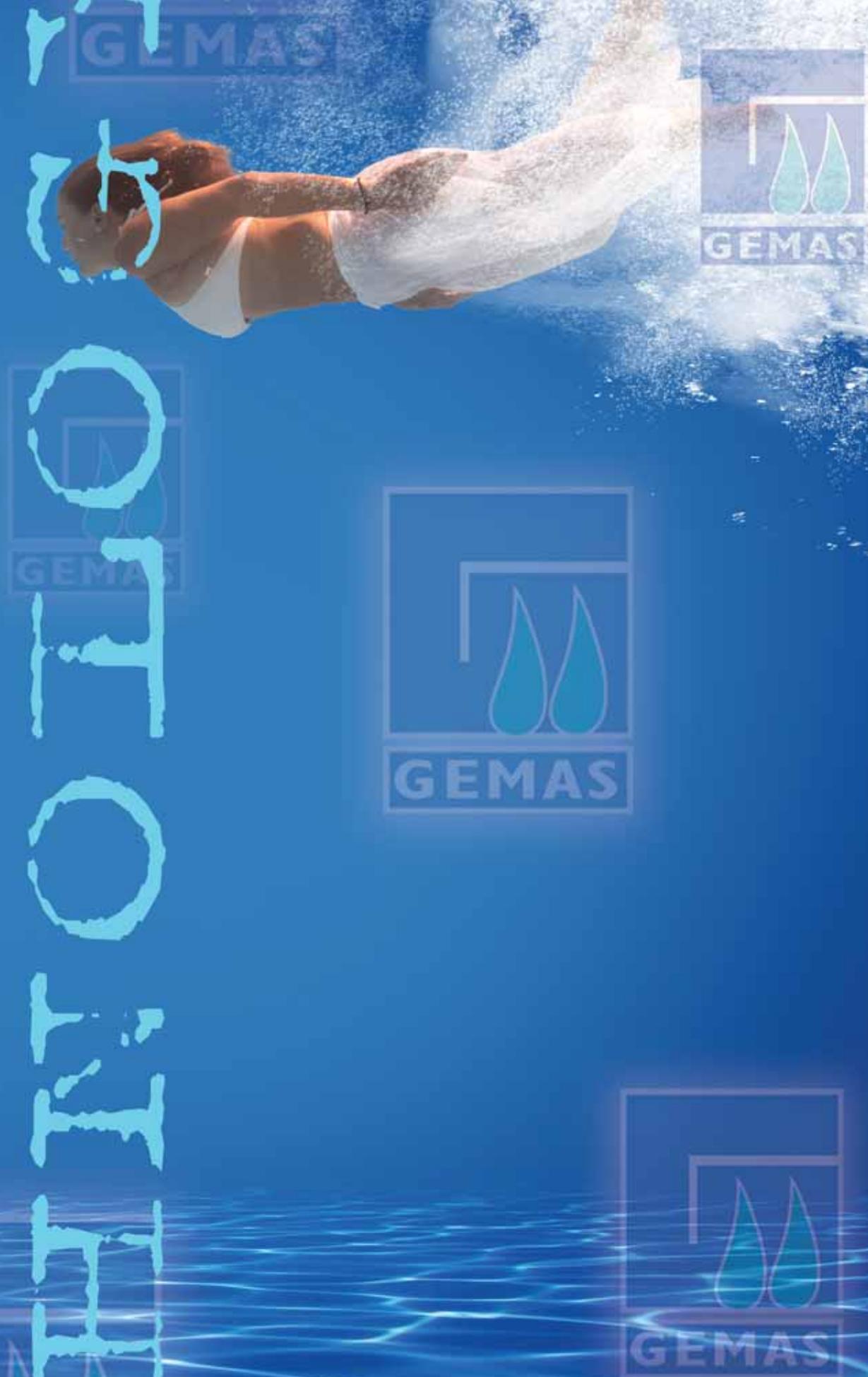
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TIMING SYSTEMS FOR COMPETITION POOLS

POOL CARE



01	Pumps	13	
02	Sand Filters	25	





Self-priming Pool Pumps

2850 rpm



Easy access lid



Wide and clear view on prefilter lid
Made of polycarbonate



Coupling compatible with d50
Fitvalf ball valve handle



Large volume basket



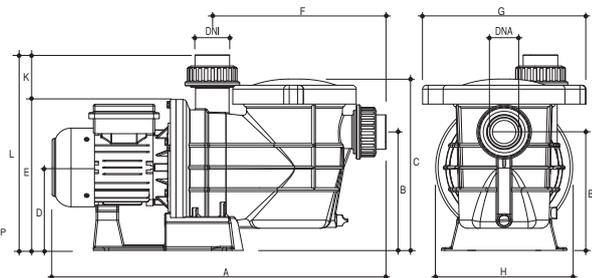
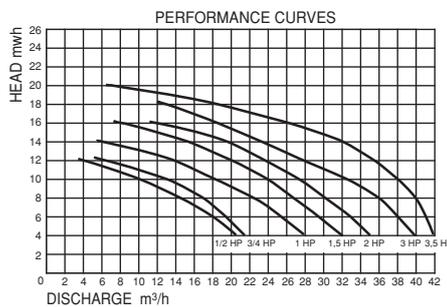
Stainless steel motor shaft AISI 316



Norly impeller

GEMAS "STREAMER 2010" Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter. Up to 1 1/2 HP, Suction 1 1/2"-. Discharge 1 1/2"; bigger sizes both 2". Connections are with unions compatible with Fitvalf d50 Ball Valve. Easy opening lid with 40° rotation. "Xylex" lid option against aggressive chemicals for polycarbonate. Large basket. 2850 rpm - IP 55 Motor. Pump shaft in AISI 316 quality stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• STRN-50M 1/2 HP, Monophase	0111STRN50M	269,00	1	11,514	0,051
• STRN-80M 3/4 HP, Monophase	0111STRN75M	286,00	1	12,484	0,051
• STRN-80T 3/4 HP, Triphase	0111STRN75T	286,00	1	11,750	0,051
• STRN-100M 1 HP, Monophase	0111STRN100M	299,00	1	13,609	0,051
• STRN-100T 1 HP, Triphase	0111STRN100T	299,00	1	12,244	0,051
• STRN-150M 1,5 HP, Monophase	0111STRN150M	357,00	1	16,344	0,051
• STRN-150T 1,5 HP, Triphase	0111STRN150T	357,00	1	15,669	0,051
• STRN-200M 2,0 HP, Monophase	0111STRN200M	397,00	1	18,404	0,051
• STRN-200T 2,0 HP, Triphase	0111STRN200T	380,00	1	17,534	0,051
• STRN-300M 3,0 HP, Monophase	0111STRN300M	426,00	1	18,404	0,051
• STRN-300T 3,0 HP, Triphase	0111STRN300T	400,00	1	17,534	0,051
• STRN-350M 3,5 HP, Monophase	0111STRN350M	630,00	1	21,704	0,054
• STRN-350T 3,5 HP, Triphase	0111STRN350T	595,00	1	20,384	0,054



PUMP TYPE	HP	CON-DEN-SER (µF)	AMPERES			HEAD mwh										
			II	III	IV	4	6	8	10	12	14	16	18	20		
			220 V	220 V	380 V	DISCHARGE m³/h										
STRN-50T/M	0,50	16	2,73	-	-	20,50	18,00	14,30	10,00	4,00	-	-	-	-	-	-
STRN-80T/M	0,75	20	3,88	2,33	1,35	21,70	19,50	17,00	13,00	6,00	-	-	-	-	-	-
STRN-100T/M	1	25	5,15	3,03	1,75	28,00	25,70	22,50	18,00	13,90	6,00	-	-	-	-	-
STRN-150T/M	1,5	30	7,02	4,42	2,55	32,00	29,70	26,50	24,00	20,00	15,50	8,00	-	-	-	-
STRN-200T/M	2	40	8,60	5,50	3,50	35,00	33,00	30,00	27,50	23,80	19,50	12,00	-	-	-	-
STRN-300T/M	3	40	9,80	6,01	3,90	40,00	38,00	36,00	32,40	27,60	23,20	18,50	13,00	-	-	-
STRN-350T/M	3,5	60	13,67	8,61	4,98	42,00	41,00	40,00	38,00	35,50	32,00	26,40	18,50	7,10	-	-

PUMP TYPE	DIMENSIONS											Net Weight (Kg)		Gross Weight (Kg)		
	DNA	DNI	A	K	B	C	D	E	F	G	H	I	Mo.	Tri.	Mo.	Tri.
STRN-50T/M	11/2"	11/2"	610	80	205	310	145	275	320	292	245	355	10,290	-	11,514	-
STRN-80T/M	2"	11/2"	610	80	205	310	145	275	320	292	245	355	11,234	-	12,484	-
STRN-100T/M	2"	11/2"	610	80	205	310	145	275	320	292	245	355	12,360	11,000	13,609	12,244
STRN-150T/M	2"	2"	630	80	205	310	145	275	320	292	245	355	15,095	14,420	16,344	15,669
STRN-200T/M	2"	2"	630	80	205	310	145	275	320	292	245	355	17,150	16,280	17,534	18,404
STRN-300T/M	2"	2"	630	80	205	310	145	275	320	292	245	355	17,150	16,280	17,534	18,404
STRN-350T/M	2"	2"	670	80	205	310	145	275	320	292	245	355	20,450	19,130	20,384	21,704

SUCTION PIPE DIMENSIONS

PUMP TYPE	STRN-50T/M	STRN-80T/M	STRN-100T/M	STRN-150T/M	STRN-200T/M	STRN-300T/M	STRN-350T/M
Ø SUCTION PIPE	1 1/2" (Ø50 mm)	2" (Ø63 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm)	3" (Ø90 mm)	3" (Ø90 mm)	4" (Ø110 mm)

PS: It is recommended to use conical reduction at the suction line of the pump

Self-priming Pool Pumps

2850 rpm

2 YEAR PARTS WARRANTY



GEMAS STREAMER MINI Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter. Pump shaft in AISI 316 quality stainless steel. Suction & Discharge 1 1/2". Connections are with unions. 2850 rpm - IP 55 Motor.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● STRM-33M 1/3 HP, Monophase	0111STRM33M	223,00	1	8,500	0,037
● STRM-50M 1/2 HP, Monophase	0111STRM50M	240,00	1	8,900	0,037
● STRM-80M 3/4 HP, Monophase	0111STRM80M	250,00	1	10,800	0,037
● STRM-80T 3/4 HP, Triphase	0111STRM80T	250,00	1	11,300	0,037
● STRM-100M 1 HP, Monophase	0111STRM100M	265,00	1	11,800	0,037
● STRM-100T 1 HP, Triphase	0111STRM100T	265,00	1	11,000	0,037
● STRM-150M 1,5 HP, Monophase	0111STRM150M	305,00	1	11,900	0,037
● STRM-150T 1,5 HP, Triphase	0111STRM150T	305,00	1	11,100	0,037



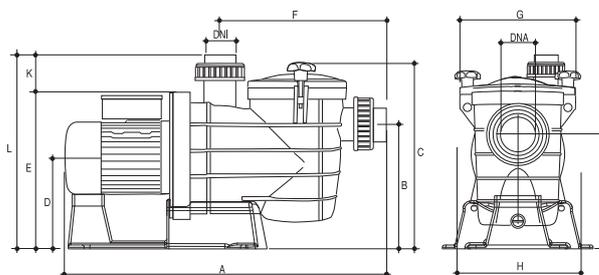
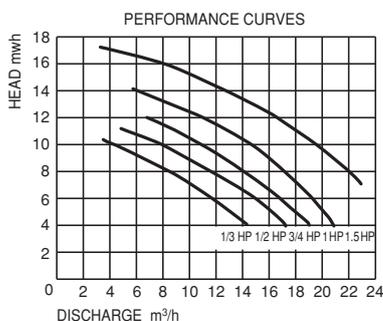
Coupling compatible with d50 Fitvalf ball valve handle



Stainless steel motor shaft AISI 316



Norly impeller



PUMP TYPE	HP	CON-DEN-SER (µF)	AMPERES			HEAD mwh										
			II 220 V	220 V III	380 V	4	6	8	10	11	12	14	16	17		
			DISCHARGE m ³ /h													
STRM-0,33M	0,33	16	2,73	-	-	14,10	11,60	8,30	4,00	-	-	-	-	-	-	-
STRM-0,50M	0,50	20	3,88	2,33	1,35	17,20	14,90	11,40	7,90	4,80	-	-	-	-	-	-
STRM-0,80T/M	0,75	25	5,15	3,03	1,75	18,90	16,70	13,50	10,80	9,00	6,80	-	-	-	-	-
STRM-1,00T/M	1,00	30	7,02	4,42	2,55	20,80	19,30	17,10	14,90	13,20	10,50	6,00	-	-	-	-
STRM-1,50T/M	1,50	30	7,65	4,60	2,80	26,00	24,80	22,00	19,50	18,00	16,50	12,50	15,00	-	-	-

PUMP TYPE	DIMENSIONS												Net Weight (Kg)		Gross Weight (Kg)	
	DNA	DNI	A	K	B	C	D	E	F	G	H	L	Mo.	Tri.	Mo.	Tri.
STRM-0,33M	11/2"	11/2"	500	70	175	280	125	230	255	205	175	300	8,750	-	7,750	-
STRM-0,50M	11/2"	11/2"	500	70	175	280	125	230	255	205	175	300	9,150	-	8,150	-
STRM-0,80T/M	11/2"	11/2"	500	70	175	280	125	230	255	205	175	300	11,050	11,350	10,050	10,350
STRM-1,00T/M	11/2"	11/2"	500	70	175	280	125	230	255	205	175	300	12,050	11,450	11,050	10,450
STRM-1,50T/M	11/2"	11/2"	500	70	175	280	125	230	255	205	175	300	12,150	11,550	11,150	11,550

SUCTION PIPE DIMENSIONS

PUMP TYPE	STRM-33M	STRM-50M	STRM-80T/M	STRM-100T/M	STRM-150T/M
Ø SUCTION PIPE	1 1/2" (Ø50 mm)	1 1/2" (Ø50 mm)	2" (Ø63 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm)

PS: It is recommended to use conical reduction at the suction line of the pump



Self-priming Pool Pumps

2850 rpm



Wide and clear view on prefilter lid



Large volume basket



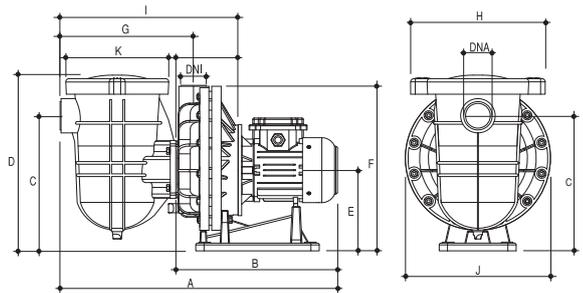
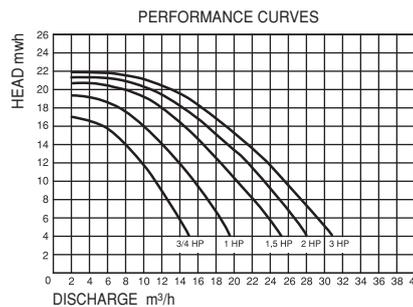
Stainless steel motor shaft AISI 316



Norly impeller

GEMAS "PUMPEX 2010" Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter. Up to 1 1/2 HP, Suction 1 1/2". Discharge 1 1/2"; bigger sizes both 2". Connections are with unions. Easy opening lid with 40° turning. "Xylex" lid option against aggressive chemicals. Larger basket. 2850 rpm - IP 55 Motor. Pump shaft in AISI 316 quality stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PUMPEX-75M 0,75 HP, Monophase	0111PX75M	323,00	1	19,120	0,096
• PUMPEX-100M 1 HP, Monophase	0111PX100M	342,00	1	20,320	0,096
• PUMPEX-100T 1 HP, Triphase	0111PX100T	342,00	1	19,120	0,096
• PUMPEX-150M 1,5 HP, Monophase	0111PX150M	402,00	1	21,120	0,096
• PUMPEX-150T 1,5 HP, Triphase	0111PX150T	402,00	1	20,220	0,096
• PUMPEX-200M 2 HP, Monophase	0111PX200M	465,00	1	25,120	0,096
• PUMPEX-200T 2 HP, Triphase	0111PX200T	443,00	1	23,120	0,096
• PUMPEX-300T 3 HP, Triphase	0111PX300T	505,00	1	26,120	0,096



PUMP TYPE	HP	CON-DEN-SER (μF)	AMPERES			HEAD mwh							
			II 220 V	III 220 V	380 V	4	6	8	10	12	14	16	18
PX-75T/M	0,75	20	3,80	-	-	14,80	13,80	12,60	11,20	9,60	7,80	5,70	-
PX-100T/M	1	25	4,95	3,11	1,80	19,00	18,20	17,00	15,60	14,10	12,00	10,00	8,40
PX-150T/M	1,5	30	7,80	4,41	2,55	23,50	23,40	22,00	20,10	18,30	16,50	14,40	12,00
PX-200T/M	2	40	9,90	5,88	3,40	28,00	26,50	25,00	23,20	21,50	19,20	16,80	14,40
PX-300T	3	40	-	8,48	4,90	30,80	29,00	30,00	28,00	23,50	21,00	19,00	16,40

PUMP TYPE	DIMENSIONS													Net Weight (Kg)		Gross Weight (Kg)		
	DNA	DNI	A	B	C	D	E	F	G	I	H	J	K	L	Mo.	Tri.	Mo.	Tri.
PX-75T/M	2"	1 1/2"	640	395	295	384	176	360	287	384	292	315	135	223	17,420	-	19,120	-
PX-100T/M	2"	1 1/2"	640	395	295	384	176	360	287	384	292	315	135	223	18,620	17,420	20,320	19,120
PX-150T/M	2"	1 1/2"	640	395	295	384	176	360	287	384	292	315	135	223	18,520	19,420	20,220	21,120
PX-200T/M	2"	1 1/2"	640	395	295	384	176	360	287	384	292	315	135	223	23,420	21,420	25,120	23,120
PX-300T	2"	1 1/2"	640	395	295	384	176	360	287	384	292	315	135	223	-	24,420	-	26,120

SUCTION PIPE DIMENSIONS

PUMP TYPE	PX-75T/M	PX-100T/M	PX-150T/M	PX-200T/M	PX-300T
Ø SUCTION PIPE	1 1/2" (Ø50 mm)	2" (Ø63 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm)	3" (Ø90 mm)

PS: It is recommended to use conical reduction at the suction line of the pump

Self-priming Pool Pumps

2850 rpm

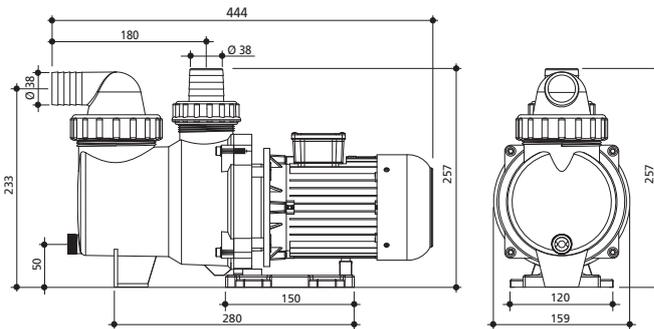
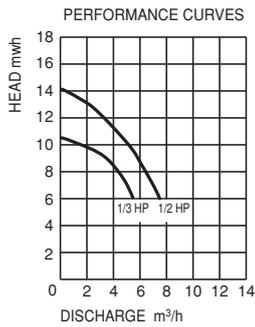
GEMAS STREAMER MICRO. Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter. Suction & Discharge 1 1/2". Connections are with unions. 2850 rpm - IP 55 Motor.

1 YEAR PARTS WARRANTY

CE



Description	Code	List Price Euro	Pieces/boxt	Weight Kg	Volume m ³
• STR-250MIC 1/3 HP, Monophase	0111STRMIC30	198,00	1	11,880	0,051
• STR-370MIC 1/2 HP, Monophase	0111STRMIC40	206,00	1	12,850	0,051



With coupling

PUMP TYPE	HP	CONDENSER	AMPERES 220 V	HEAD mwh							
				6	7	8	9	10	13	14	
STR-250MIC	0,33	-	1,20	5,70	5,10	4,30	3,50	1,50	-	-	
STR-370MIC	0,50	-	2,20	7,50	7,00	6,50	5,90	5,20	2,10	-	

Industrial Pumps

2850 rpm

GEMAS PUMPEX Industrial Pump. Manufactured for corrosive liquids. (Max. %30 H₂SO₄, %30 HCl or %15 NaOCl) Suction 2". Return 1 1/2". 2850 rpm motor. Motor Shaft AISI 316 Stainless Steel. Chemical resistant AISI 316 special mechanical Seal. IP 55 Motor.

Description	Code	List Price Euro	Pieces/boxt	Weight Kg	Volume m ³
• PUMPEX-75M 0,75 HP, Monophase	0111PXE75M	601,00	1	15,800	0,066
• PUMPEX-100M 1,0 HP, Monophase	0111PXE100M	632,00	1	17,000	0,066
• PUMPEX-100T 1,0 HP, Triphase	0111PXE100T	632,00	1	15,800	0,066
• PUMPEX-150M 1,5 HP, Monophase	0111PXE150M	676,00	1	17,800	0,066
• PUMPEX-150T 1,5 HP, Triphase	0111PXE150T	676,00	1	16,900	0,066
• PUMPEX-200M 2 HP, Monophase	0111PXE200M	706,00	1	21,800	0,066
• PUMPEX-200T 2 HP, Triphase	0111PXE200T	706,00	1	19,800	0,066
• PUMPEX-300T 3 HP, Triphase	0111PXE300T	777,00	1	22,800	0,066



Special Mechanical Seal

Self-priming Pool Pumps

2850 rpm



Stainless steel motor shaft AISI 316

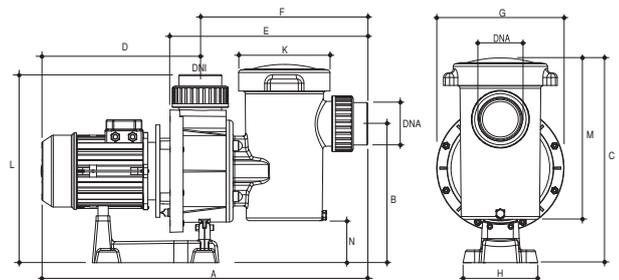
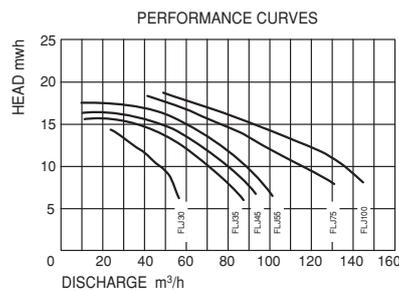


Norly impeller

GEMAS FLOODER Self-priming, thermoplastic body Commercial Pool Pump; complete with 20 l pre-filter. Suction and Discharge 4" (Ø 110). Connections are with slip unions. Pump shaft in AISI 316 quality stainless steel. 2850 rpm - IP 55 Motor.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3 HP, Monophase, FLO 300M	0111FLO30M	665,00	1		
• 3 HP, Triphase, FLO 300T	0111FLO30	636,00	1		
• 3,5 HP, Monophase, FLO 350M	0111FLO35M	728,00	1	31,750	0,210
• 3,5 HP, Triphase, FLO 350T	0111FLO35	665,00	1	30,750	0,210
• 4,5 HP, Triphase, FLO 450T	0111FLO45	726,00	1	33,850	0,210
• 5,5 HP, Triphase, FLO 550T	0111FLO55	803,00	1	40,600	0,210
• 7,5 HP, Triphase, FLO 750T	0111FLO75	1029,00	1	48,450	0,210
• 10 HP, Triphase, FLO 1000T	0111FLO100	1209,00	1	54,600	0,210

PS: All models could be coupled with larger capacity pre-filters upon request.



PUMP TYPE	HP	CONDENSER	AMPERES			HEAD mwh						
			II 220 V	III		6	8	10	12	14	16	17
				230 V	380 V	DISCHARGE m ³ /h						
0111FLO30	3,0	-	-	10,40	6,00	57,00	51,00	47,00	38,00	24,00	-	-
0111FLO35	3,5	-	-	10,40	6,00	86,00	78,00	70,00	60,00	45,00	12,00	-
0111FLO45	4,5	-	-	11,70	6,75	94,00	88,00	78,00	68,00	55,00	24,00	-
0111FLO55	5,5	-	-	13,80	8,00	102,00	95,00	88,00	78,00	68,00	50,00	28,00

PUMP TYPE	HP	CONDENSER	AMPERES			HEAD mwh								
			III 230 V	III		8	10	11	12	13	14	16	18	20
				400 V	700 V	DISCHARGE m ³ /h								
0111FLO75	7,5	-	-	12,10	7,00	130,60	121,00	113,00	104,50	96,00	87,00	65,50	42,50	-
0111FLO100	10,0	-	-	15,80	9,20	145,00	136,60	131,00	127,00	116,00	105,00	74,00	49,50	17,40

PUMP TYPE	DIMENSIONS														Net Weight (Kg)	Gross Weight (Kg)
	DNA	DNI	A	K	B	C	D	E	F	G	H	L	M	N		
0111FLO35	4"	4"	880	265	406	580	395	573	485	358	210	550	457	122	30,750	32,250
0111FLO45	4"	4"	920	265	406	580	435	573	485	358	210	550	457	122	33,850	35,350
0111FLO55	4"	4"	945	265	406	580	460	573	485	358	210	550	457	122	40,600	42,100
0111FLO75	4"	4"	945	265	406	580	460	573	485	358	210	550	457	122	48,450	49,950
0111FLO100	4"	4"	985	265	406	580	500	573	485	358	210	550	457	122	54,600	56,100

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FLO35	0111FLO45	0111FLO55	0111FLO75	0111FLO100
Ø SUCTION PIPE	5" (Ø140 mm)	5" (Ø140 mm)	6" (Ø160 mm)	7" (Ø200 mm)	7" (Ø200 mm)

PS: It is recommended to use conical reduction for suction larger than Ø 110 mm.

Self-priming Pool Pumps

1450 rpm

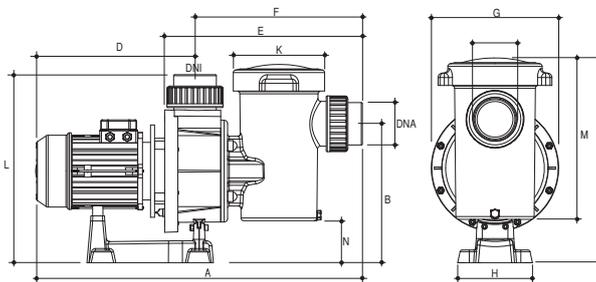
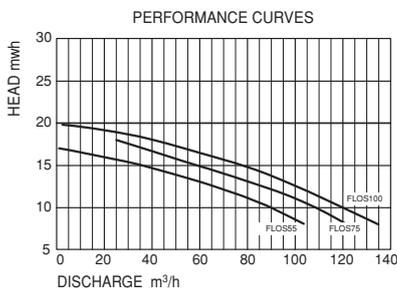
GEMAS FLOODER Self-priming, thermoplastic body Commercial Pool Pump; complete with 20 l pre-filter. Suction and Discharge 4" (Ø 110). Connections are with slip unions. Pump shaft in AISI 316 quality stainless steel. 1450 rpm - IP 55 Motor.

2 YEAR PARTS WARRANTY



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5,5 HP, Triphase, FLOS550T	0111FLOS55	1044,00	1	46,000	0,213
• 7,5 HP, Triphase, FLOS750T	0111FLOS75	1338,00	1	50,000	0,213
• 10 HP, Triphase, FLOS1000T	0111FLOS100	1572,00	1	70,000	0,213

PS: All models can be produced with Ø 125 or Ø 110 mm suction connection.



Stainless steel motor shaft AISI 316

PUMP TYPE	HP	CONDENSER	AMPERES			HEAD mwh									
			II	III		6	8	10	12	14	16	17			
			220 V	220 V	380 V	DISCHARGE m³/h									
0111FLOS55	5,5	-	-	-	-	105,00	90,00	70,00	45,00	15,00	-	-	-	-	-

PUMP TYPE	HP	CONDENSER	AMPERES			HEAD mwh										
			III			8	10	11	12	13	14	16	18	19		
			230 V	400 V	700 V	DISCHARGE m³/h										
0111FLOS75	7,5	-	-	-	-	120,00	107,00	100,00	90,00	80,00	66,00	43,00	25,00	10,00	-	-
0111FLOS100	10,0	-	-	-	-	135,00	120,00	110,00	103,00	97,00	83,00	60,00	35,00	20,00	-	-

PUMP TYPE	DIMENSIONS														Net Weight (Kg)	Gross Weight (Kg)
	DNA	DNI	A	K	B	C	D	E	F	G	H	L	M	N		
0111FLOS55	4"	4"	945	265	406	580	460	573	485	358	210	550	457	122	40,600	42,100
0111FLOS75	4"	4"	945	265	406	580	460	573	485	358	210	550	457	122	48,450	49,950
0111FLOS100	4"	4"	985	265	406	580	500	573	485	358	210	550	457	122	54,600	56,100

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FLOS55	0111FLOS75	0111FLOS100
Ø SUCTION PIPE	6" (Ø160 mm)	7" (Ø200 mm)	7" (Ø200 mm)

PS: It is recommended to use conical reduction at the suction line of the pump

Self-priming Pool Pumps

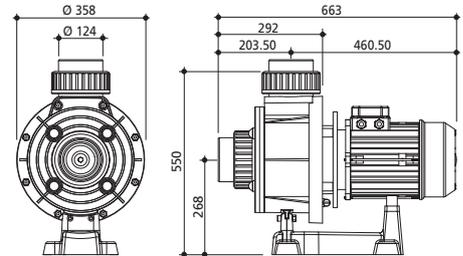
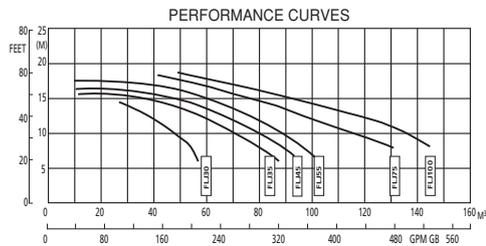
2850 rpm



GEMAS FLOODER JET. Self-priming, thermoplastic body Jet Pump. Suction and Discharge 4" (Ø 110). Connections are with slip union. 2850 rpm - IP 55 Motor.

Description	Code	List Price Euro	Pieces/boxt	Weight Kg	Volume m ³
• 3,0 HP, Monophase, FLJ 300M	0111FLJ30M	568,00	1		
• 3,0 HP, Triphase, FLJ 300T	0111FLJ30	561,00	1		
• 3,5 HP, Monophase, FLJ 350M	0111FLJ35M	622,00	1	26,750	0,150
• 3,5 HP, Triphase, FLJ 350T	0111FLJ35	587,00	1	25,750	0,150
• 4,5 HP, Triphase, FLJ 450T	0111FLJ45	625,00	1	28,650	0,150
• 5,5 HP, Triphase, FLJ 550T	0111FLJ55	719,00	1	36,050	0,150
• 7,5 HP, Triphase, FLJ 750T	0111FLJ75	943,00	1	44,000	0,150
• 10 HP, Triphase, FLJ 1000T	0111FLJ100	1114,00	1	50,150	0,150

PS: All models can be produced with Ø 125 or Ø 110 mm suction connection.



Stainless steel motor shaft AISI 316



Norly impeller

PUMP TYPE	HP	CONDENSER	AMPERES				HEAD mwh						
			II		III		6	8	10	12	14	16	17
			220 V	230 V	380 V								
0111FLO30	3,0	-	-	10,40	6,00	57,00	51,00	47,00	38,00	24,00	-	-	
0111FLO35	3,5	-	-	10,40	6,00	86,00	78,00	70,00	60,00	45,00	12,00	-	
0111FLO45	4,5	-	-	11,70	6,75	94,00	88,00	78,00	68,00	55,00	24,00	-	
0111FLO55	5,5	-	-	13,80	8,00	102,00	95,00	88,00	78,00	68,00	50,00	28,00	

PUMP TYPE	HP	CONDENSER	AMPERES III			HEAD mwh								
			230 V	400 V	700 V	8	10	11	12	13	14	16	18	21
			DISCHARGE m ³ /h											
0111FLJ75	7,5	-	-	12,10	7,00	121,00	112,00	107,00	101,00	96,00	87,00	65,50	42,50	-
0111FLJ100	10,0	-	-	15,80	9,20	145,00	136,60	130,00	123,00	113,00	101,50	78,50	49,50	-

PUMP TYPE	DIMENSIONS										Net Weight (Kg)	Gross Weight (Kg)
	DNA	DNI	A	B	D	E	F	G	H	L		
0111FLJ35	4"	4"	600	268	395	293	205	358	210	550	25,750	27,000
0111FLJ45	4"	4"	640	268	435	293	205	358	210	550	28,650	29,900
0111FLJ55	4"	4"	665	268	460	293	205	358	210	550	36,050	37,300
0111FLJ75	4"	4"	665	268	460	293	205	358	210	550	44,000	45,250
0111FLJ100	4"	4"	705	268	500	293	205	358	210	550	50,150	51,400

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FLJ35	0111FLJ45	0111FLJ55	0111FLJ75	0111FLJ100
Ø SUCTION PIPE	5" (Ø140 mm)	5" (Ø140 mm)	6" (Ø160 mm)	7" (Ø200 mm)	7" (Ø200 mm)

PS: It is recommended to use conical reduction at the suction line of the pump

Self-priming Pool Pumps

1450 rpm

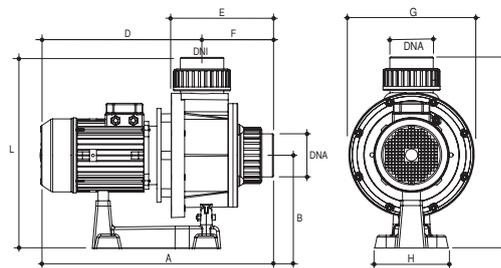
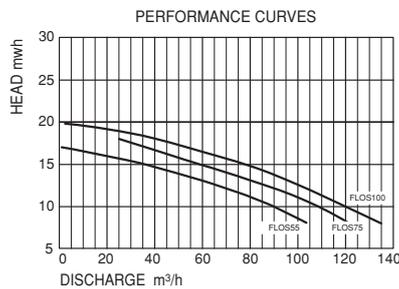
GEMAS FLOODER JET. Self-priming, thermoplastic body Jet Pump. Suction and Discharge 4" (Ø 110). Connections are with slip union. 1450 rpm - IP 55 Motor.

NEW !



Description	Code	List Price Euro	Pieces/boxt	Weight Kg	Volume m ³
• 5,5 HP, Trifaze, FLJS 550T	0111FLJS55	935,00	1		
• 7,5 HP, Triphase, FLJS 750T	0111FLJS75	1226,00	1		
• 10 HP, Trifaze, FLJS 1000T	0111FLJS100	1448,00	1		

P.S: All models could be coupled with larger capacity (d.125 or d.140 mm) pre-filters upon request.



PUMP TYPE	HP	CONDENSER	AMPERES			HEAD mwh						
			II 220 V	220 V	III 380 V	6	8	10	12	14	16	17
0111FLJS55	5,5	-	-	-	-	-	105,00	90,00	70,00	45,00	15,00	-

PUMP TYPE	HP	CONDENSER	AMPERES			HEAD mwh										
			230 V	400 V	700 V	8	10	11	12	13	14	16	18	19		
0111FLJS75	7,5	-	-	-	-	120,00	107,00	100,00	90,00	80,00	66,00	43,00	25,00	10,00		
0111FLJS100	10,0	-	-	-	-	135,00	120,00	110,00	103,00	97,00	83,00	60,00	35,00	20,00		

PUMP TYPE	DIMENSIONS										Net Weight (Kg)	Gross Weight (Kg)
	DNA	DNI	A	B	D	E	F	G	H	L		
0111FLJS55	4"	4"	665	268	460	293	205	358	210	550	36,050	37,300
0111FLJS75	4"	4"	665	268	460	293	205	358	210	550	44,000	45,250
0111FLJS100	4"	4"	705	268	500	293	205	358	210	550	50,150	51,400

SUCTION PIPE DIMENSIONS

PUMP TYPE	0111FLJ5 5	0111FLJ7 5	0111FLJ1 0 0
Ø SUCTION PIPE	6" (Ø160 mm)	7" (Ø200 mm)	7" (Ø200 mm)

PS: It is recommended to use conical reduction at the suction line of the pump



Stainless steel motor shaft AISI 316



Norly impeller

Self-priming Pool Pumps

2850 rpm

GEMAS MEGAFLOODER. Self-priming, thermoplastic body Commercial Pool Pump; WITHOUT PREFILTER. Pump shaft in AISI 316 quality stainless steel. 2850 rpm - IP 55 Motor.

NEW!

2 YEAR PARTS WARRANTY



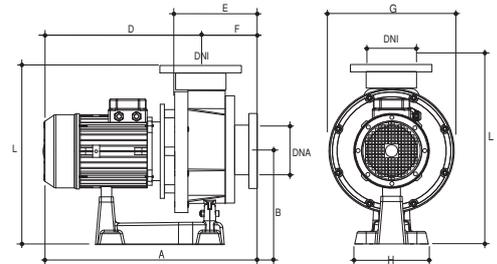
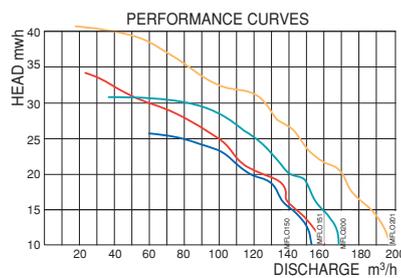
Stainless steel motor shaft AISI 316



Special polyester base for heavy weight



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 15 HP, Type I Triphase, MFLO 1500T	0111MFL150	1715,00	1		
• 15 HP, Type II Triphase, MFLO 1500T	0111MFL151	1715,00	1		
• 20 HP, Type I Triphase, MFLO 2000T	0111MFL200	1955,00	1		
• 20 HP, Type II Triphase, MFLO 2000T	0111MFL201	1955,00	1		
• 6" Plastic Pre- Filter, 40 l	013331	807,00	1	25,700	
• 5"-6" Polyester Laminated Pre-Filter, 20 l	013212	1178,00	1	16,700	
• 5"-6" Stainless Steel Pre-Filter, 20 l	013131	908,00	1	31,500	
• 5"- 8" Polyester Laminated Pre-Filter, 65 l	0132241	1361,00			



PUMP TYPE	HP	CONDENSER	AMPERES			HEAD mwh																
			II 220V	III 220V	380V	10	12	14	16	18	20	22	24	26	28	31	32	33	34	37	41	
0111MFLO150	15,0	-	-	-	-	152,00	151,00	144,00	136,00	130,00	118,00	108,00	88,00	60,00	-	-	-	-	-	-	-	-
0111MFLO200	20,0	-	-	-	-	169,00	165,00	161,00	155,00	150,00	140,00	134,00	124,00	114,00	92,00	36,00	-	-	-	-	-	-
0111MFLO151	15,0	-	-	-	-	160,00	153,00	144,00	138,00	128,00	124,00	110,00	104,00	93,00	74,00	49,00	39,00	31,00	22,50	-	-	-
0111MFLO201	20,0	-	-	-	-	197,00	185,00	183,00	177,00	167,00	160,00	151,00	143,00	134,00	123,00	100,00	90,00	86,00	78,00	56,00	18,00	-

PUMP TYPE	DIMENSIONS											Net Weight (Kg)		Gross Weight (Kg)	
	DNA	DNI	A	B	C	D	E	F	G	H	L	Mo.	Tri.	Mo.	Tri.
0111MFLO150	5"	5"	700	280	-	540	260	160	360	420	252	-	139	-	153
0111MFLO200	5"	5"	700	280	-	640	260	160	360	420	252	-	170	-	187
0111MFLO151	5"	5"	700	280	-	540	260	160	360	420	252	-	139	-	153
0111MFLO201	5"	5"	700	280	-	640	260	160	360	420	252	-	170	-	187

GEMAS MEGAFLOODER PUMP SUCTION PIPE DIMENSIONS

PUMP TYPE	0111MFLO150	0111MFLO200
Ø SUCTION PIPE DIA	8" (Ø225 mm)	8" (Ø225 mm)

PUMP TYPE	0111MFLO151	0111MFLO201
Ø SUCTION PIPE DIA	8" (Ø225 mm)	8" (Ø225 mm)

- 1- Locking nut
- 2- Transparent lid
- 3- O-ring
- 4- Pre filter basket
- 5- Pre filter body
- 6- Gasket for drain
- 7- Drain plug
- 8- Connection screws
- 9- Body gasket
- 10- Body o-ring

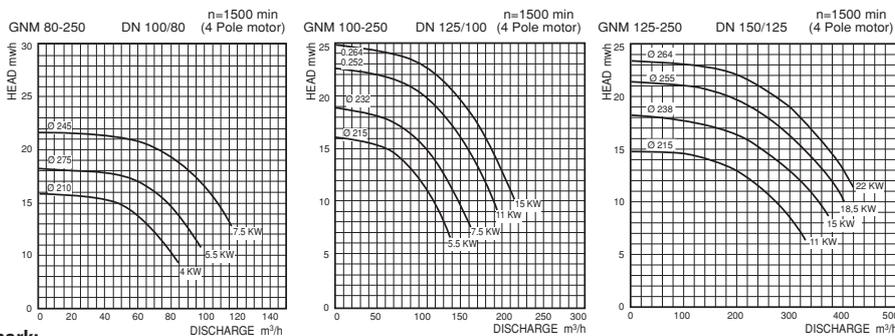


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Cast Iron Pool Pumps

GEMAS PUMPEX CAST IRON POOL PUMPS. Cast iron body with mechanical seal and triphase motor. Shaft in chromed steel. 1450 rpm. Body for 10 bar pressure. In conformity with DIN 24255. Complete with strainer in FRP body with stainless steel mechanism + basket and transparent lid.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• GNM 80-250. 70 m ³ /h - 16 mwh - 7,5 HP (5,5 kw) 4"- 3" Discharge - Ø 225 Fan.	011212	2270,00	1		
• GNM 100-250. 100 m ³ /h - 16 mwh - 10 HP (7,5 kw) 5"- 4" Discharge - Ø 232 Fan.	011222	2476,00	1		
• GNM 100-250. 150 m ³ /h - 16 mwh - 15 HP (11 kw) 5"- 4" Discharge - Ø 252 Fan.	011223	2901,00	1		
• GNM 125-250. 230 m ³ /h - 16 mwh - 20 HP (15 kw) 6"- 5" Discharge - Ø 238 Fan.	011231	4065,00	1		



Remark:

- 1- The pumps listed up are to be produced upon request. Lead Time is approximately 7-15 days. Please ask price for the capacities which are not on the list.
- 2- Bronze fan and stainless steel shaft pumps are to be considered at %30 higher price.

Pump Bases and Vibration Bricks

Pump Base made in AISI 304 quality stainless steel. Designed for pumps up to 3 HP.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Single	01411	77,00	1	4,330	0,030
• Double	01412	95,00	1	8,320	0,040

FR Polyester Pump Base. Can be used for all Streamer and Flooder models up to 10 HP.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Single	01413	59,00	1		

Installed to oscillate vibrations on pumps.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• M8, Ø 30 - 25 mm		1,75	1		
• M10, Ø 50 - 35 mm		3,20	1		



NEW !



NEW !



Pump Pre-Filters (Strainers)

Stainless Steel Pre-Filters

AISI 304 Quality Stainless Steel Pre-filter. Lid with nuts. Connections with Loose Flange.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5"	01312	572,00	1	15,000	
• 6"	01313	908,00	1	17,350	
• 8"	01314	1284,00	1	19,450	

Plastic Pre-Filters

Fiberglass Reinforced PP Body. 20 l and 40 l capacity. PP basket. Polycarbonate transparent lid.



013321

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 4" - Unions	013311	266,00	1	9,740	
• 5" - Flanged	013321	308,00	1	10,750	
• Stainless Steel Prefilter Basket AISI 304 Quality	0111FL01	180,00	1		
• 6" - Flanged - 40 l	013331	807,00	1	25,300	



013331

FR Polyester Pre Filter

Fiber glass reinforced polyester body pre filter. Plastic prefilter basket, transparent acrylic lid, sliding flange.

NEW !



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 4"-4,5" Suitable for Flooder Pump	013209	770,00	1		
• 4"	013210	756,00	1		

Fiber glass reinforced polyester pre filter. Sliding flange connection and 20 l capacity. Pipe connections can be produced according to demand. Basket and opening mechanism is made of stainless steel. Transparent acrylic lid. Can be used up to 160 mm connections.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 4"	013211	1160,00	1	16,700	0,140
• 5"	013212	1178,00	1	16,700	0,140
• 6"	013213	1203,00	1	16,700	0,140

NEW !



Fiber glass reinforced polyester pre filter. Sliding flange connection and 65 l capacity. Pipe connections can be produced according to demand. Basket is made of stainless steel. Transparent acrylic lid. Can be used up to 250 mm connections.

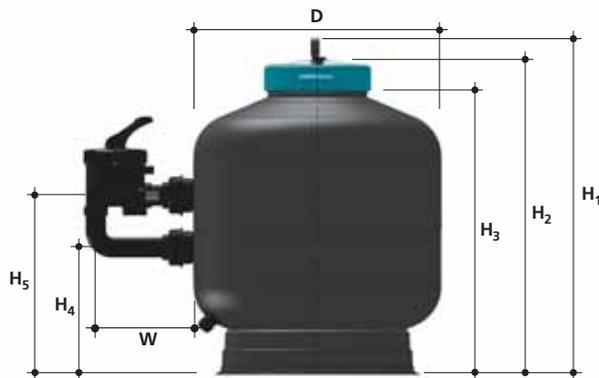
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 4"	013221	1238,00	1	31,500	0,340
• 5"	013216	1288,00	1	31,500	0,340
• 6"	013223	1296,00	1	31,500	0,340
• 8"	013224	1361,00	1		

“TURBIDRON-SL” Bobbin Wound Filters

Gemas Turbidron SL Side Mounted Pool Sand Filters. Filter shell made of smooth ABS plastic which decreases algae and bacteria cling. Complete with easy opening threaded, large and transparent lid (diameter is 2cm larger than bolted lid), Complete with pressure gauge and side mounted multiport valve. **OPTIONAL LIGHTING TOUCHPAD BUTTON WITH BATTERY** to observe inside the filter. Maximum Working Pressure 2,5 kg/cm². Test Pressure 4 kg/cm². Filtration Rate 50 m³/h/m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 500 mm - 10 m ³ /h 1 1/2" M.valve	021712S	325,00	1		
• Ø 630 mm - 17 m ³ /h 1 1/2" M.valve	021713S	402,00	1		
• Ø 710 mm - 21 m ³ /h 2" M.valve	021714S	591,00	1		
• Ø 830 mm - 27 m ³ /h 2" M.valve	021715S	643,00	1		
• Ø 900 mm - 32 m ³ /h 2" M.valve	021716S	722,00	1		
• Ø 1000 mm - 40 m ³ /h 2 1/2"	021717S	1011,00	1		
M.valve exc.					

PS: Lighting price difference 30 Euro. In case of the order please add “L” to side of the code.



TECHNICAL CHARACTERISTICS

MODEL	TB 500-SL	TB 630-SL	TB 710-SL	TB 830-SL	TB 900-SL	TB 1000-SL
D (mm)	500	630	710	830	900	1000
H ₁ (mm)	810	860	960	970	1030	1320
H ₂ (mm)	750	800	900	910	970	1210
H ₃ (mm)	700	710	850	860	920	1260
H ₄ (mm)	310	330	350	350	400	510
H ₅ (mm)	440	460	500	500	550	775
W (mm)	260	260	295	295	295	-
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	10	14	21	27	32	40
SAND (Kg)	100	150	250	350	450	700
NET WEIGHT (Kg)	17,300	20,300	32,000	38,300	47,300	58,300

NEW !

For Ø 500 and Ø 630

10 YEAR SHELL WARRANTY



Easy opening lid

NEW !



LED lighting transparent lid (Optional)

For Ø 500 and Ø 630

10 YEAR
SHELL
WARRANTY



“Turbidron-BL” Bobbin Wound Sand Filters

GEMAS “TURBIDRON BL” SAND FILTERS. Filter shell made of ABS plastic and reinforced by fiberglass bobbin winding outside. Filter lid is with bolts. Complete with pressure gauge, air purge and side mounted multiport valve. Test pressure 4,0 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h/m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 500 mm - 10 m ³ /h 1 1/2" M. Valve	021712	316,00	1	17,000	
• Ø 630 mm - 17 m ³ /h 1 1/2" M. Valve	021713	390,00	1	20,000	
• Ø 710 mm - 21 m ³ /h 2" M. Valve	021714	547,00	1	32,000	
• Ø 800 mm - 27 m ³ /h 2" M. Valve	021715	625,00	1	38,000	
• Ø 900 mm - 32 m ³ /h 2" M. Valve	021716	701,00	1	47,000	
• Ø 1000 mm - 40 m ³ /h 2 1/2"	021717	982,00	1	58,000	
without Multiway Valve					

PS: Pls ask price for 4, 6 and 10 bar pressure filters



TECHNICAL CHARACTERISTICS

MODEL	TB450-CL	TB500-CL	TB 500-BL	TB630-BL	TB710-BL	TB800-BL	TB900-BL	TB1000-BL
D (mm)	450	500	500	630	710	800	900	1000
H ₁ (mm)	720	800	760	820	915	975	1020	1410
H ₂ (mm)	630	705	-	-	-	-	-	-
H ₃ (mm)	660	740	700	760	855	915	960	1350
H ₄ (mm)	225	300	305	335	355	375	395	525
H ₅ (mm)	395	440	455	485	515	545	570	685
W (mm)	260	260	260	260	295	295	295	-
CONNECTIONS Ø (mm)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	8	10	10	14	21	27	32	40
SAND (Kg)	90	100	100	150	250	350	450	700
NET WEIGHT (Kg)	9,200	10,200	17,000	20,000	32,000	38,000	47,000	58,000

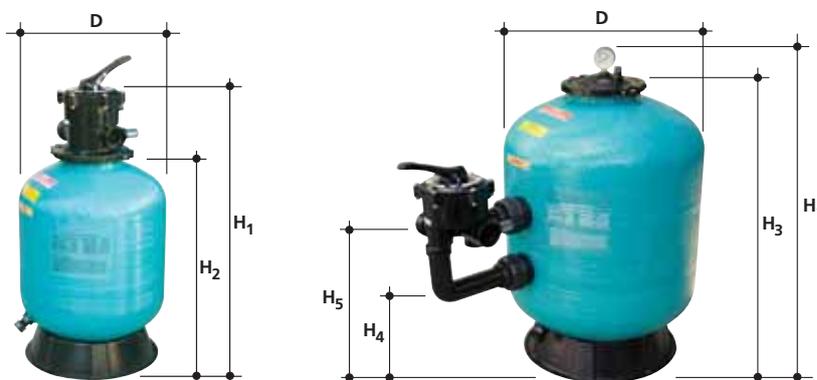
“Turbidron-CL” Bobbin Wound High Rate Sand Filters

GEMAS “TURBIDRON CL” TOP MOUNTED SAND FILTERS. Made of PE plastic core wound by fiberglass bobbin; complete with pressure gauge and top mounted multiport valve. Max. operation pressure 2,5 kg/cm². Test pressure 4,0 kg/cm². Filtration rate: 50 m³/h/m²

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 450 mm -1 1/2” top mounted multiport valve - 8,00 m ³ /h	021323B	257,00	1		0,145
• Ø 500 mm -1 1/2” top mounted multiport valve - 10 m ³ /h	021322B	265,00	1		0,180

GEMAS “TURBIDRON CL” SIDE MOUNTED SAND FILTERS. Made of PE plastic core wound by fiberglass bobbin; complete with pressure gauge and side mounted multiport valve. Max. operation pressure 2,5 kg/cm². Test pressure 4,0 kg/cm². Filtration rate: 50 m³/h/m²

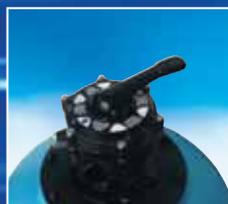
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 450 mm -1 1/2” side mounted multiport valve - 8,00 m ³ /h	021313B	283,00	1		0,145
• Ø 500 mm -1 1/2” side mounted multiport valve - 10 m ³ /h	021312B	287,00	1		0,180



For dimensions, please see page 40

“Filtrone” High Rate Sand Filters

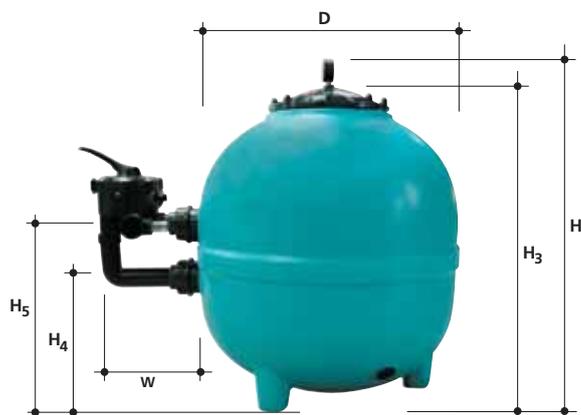
**5 YEARS
SPARE PART
WARRANTY!**



Top valve

GEMAS “FILTRONE” PE PLASTIC SAND FILTERS. Filter shell made of PE Plastic by Rotational Moulding. One-piece body, including pressure gauge, side mounted multiport valve and air purge. Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h/m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 615 mm - 15 m ³ /h 1 1/2" multiport side valve	021813	333,00	1	19,500	0,325
• Ø 760 mm - 22 m ³ /h 2" multiport side valve	021814	426,00	1	26,500	0,440
• Ø 920 mm - 32 m ³ /h 2" multiport side valve	021815	569,00	1	37,500	0,790
• Ø 615 mm - 15 m ³ /h 1 1/2" top valve	021823	283,00	1		
• Ø 760 mm - 22 m ³ /h 2" top valve	021824	362,00	1	I N 2 0 1 8	
• Ø 920 mm - 32 m ³ /h 2" top valve	021825	482,00	1	I N 2 0 1 8	



TECHNICAL CHARACTERISTICS

MODEL	FLT 615	FLT 760	FLT 920
D (mm)	615	760	920
H ₁ (mm)	805	945	1085
H ₂ (mm)	-	-	-
H ₃ (mm)	745	885	1025
H ₄ (mm)	270	350	570
H ₅ (mm)	420	500	420
W (mm)	260	295	295
W1 (mm)	-	-	-
CONNECTIONS Ø (mm)	1 1/2"	2"	2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	15	22	32
SAND (Kg)	150	250	450
NET WEIGHT (Kg)	19,500	26,500	37,500

“Filtrone L” High Rate Sand Filters

GEMAS “FILTRONE L” PE PLASTIC SAND FILTERS. Filter shell made of PE Plastic by Rotational Moulding. One-piece body, large lid of 40 cm width including pressure gauge, side mounted multiport valve and air purge. Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h/m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 615 mm - Large lid. 1 1/2" multiport side valve - 15 m ³ /h	021813LL	383,00	1	23,000	0,325
• Ø 760 mm - Large lid. 2" multiport side valve - 22 m ³ /h	021814LL	489,00	1		
• Ø 920 mm - Large lid. 2" multiport side valve - 32 m ³ /h	021815LL	626,00	1	48,000	0,790
• Ø 1200 mm - Large lid. Without multiport valve 2 1/2" - 64 m ³ /h	021816LL	1082,00	1		



TECHNICAL CHARACTERISTICS

MODEL	FLT-L615	FLT-L760	FLT-L920	FLT-L1200
D (mm)	615	760	920	1200
H ₁ (mm)	820	960	1110	1280
H ₂ (mm)	-	-	-	-
H ₃ (mm)	760	900	1050	1230
H ₄ (mm)	260	350	375	455
H ₅ (mm)	410	500	525	745
W (mm)	260	295	295	480
W1 (mm)	-	-	-	-
CONNECTIONS Ø (mm)	1 1/2"	2"	2"	2 1/2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	15	22	32	56
SAND (Kg)	125	250	450	1300
NET WEIGHT (Kg)	23,000	30,000	48,000	75,000

Easy Sand Change !



021813LL



Lid detail



021815LL

UNIQUE IN THE MARKET



021816LL

Ø 1200 Plastic Filter

“Premium” High Rate Sand Filters

5 YEARS
SPARE PART
WARRANTY!



Transparent lid
(Optional)

GEMAS “PREMIUM” PE PLASTIC SAND FILTERS. Filter shell made of PE Plastic by Rotational Moulding. One-piece body, including pressure gauge, side or top mounted multiport valve and air purge. Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h/m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Top Mounted (clamped) Multiport Valve					
• Ø 400 mm - 6,30 m ³ /h	021921	172,00	1	9,000	0,140
• Ø 500 mm - 10,00 m ³ /h	021922	211,00	1	12,000	0,200
• Ø 615 mm - 15,00 m ³ /h	021923	240,00	1	16,000	0,325
Side Mounted Multiport Valve Including clamped lid & side connections					
• Ø 400 mm - 6,30 m ³ /h	021911	229,00	1	8,700	0,140
• Ø 500 mm - 10,00 m ³ /h	021912	260,00	1	11,700	0,200
• Ø 615 mm - 15,00 m ³ /h	021913	295,00	1	15,700	0,325



TECHNICAL CHARACTERISTICS

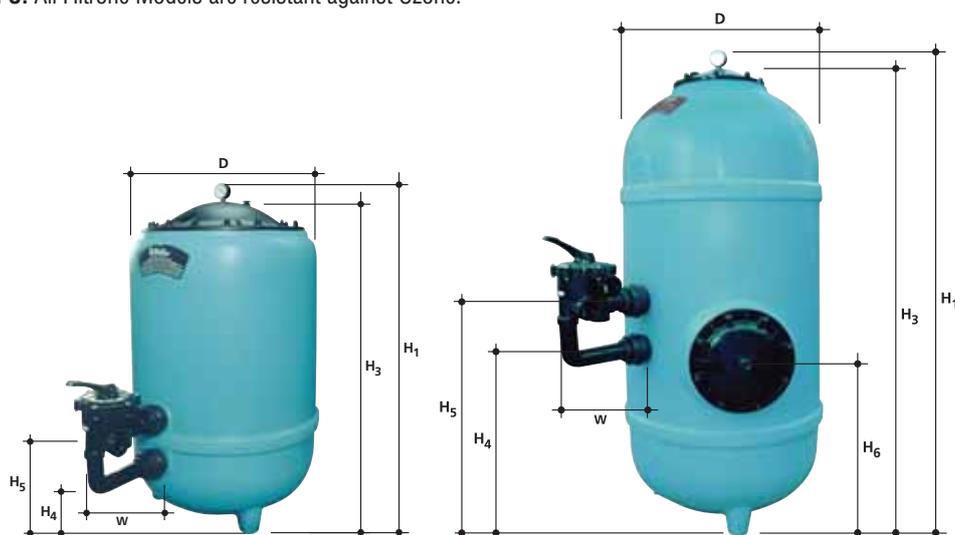
	<i>Top Mounted Multiport Valve</i>			<i>Side Mounted Multiport Valve</i>		
	<i>400</i>	<i>500</i>	<i>615</i>	<i>400</i>	<i>500</i>	<i>615</i>
<i>MODEL</i>	<i>400</i>	<i>500</i>	<i>615</i>	<i>400</i>	<i>500</i>	<i>615</i>
<i>D (mm)</i>	400	500	615	400	500	615
<i>H₁ (mm)</i>	760	800	920	615	660	775
<i>H₂ (mm)</i>	525	565	685	-	-	-
<i>H₃ (mm)</i>	-	-	-	555	600	715
<i>H₄ (mm)</i>	-	-	-	200	225	280
<i>H₅ (mm)</i>	-	-	-	325	350	410
<i>W (mm)</i>	-	-	-	260	260	260
<i>W1 (mm)</i>	-	-	-	-	-	-
<i>CONNECTIONS (Ø)</i>	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
<i>FLOW (m³/h) (50 m³/h/m²)</i>	6,3	10	15	6,3	10	15
<i>SAND (Kg)</i>	80	100	150	80	100	150
<i>NET WEIGHT (Kg)</i>	9,000	12,000	16,000	8,700	11,700	15,700

“Filtrone HB” Sand Filters for Swimming Pools

GEMAS “FILTRONE HB” PE PLASTIC SAND FILTERS. Filter shell made of PE Plastic by Rotational Moulding. One-piece body, including pressure gauge, 1 1/2” side mounted multiport valve and air purge. Collector with laterals. Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 615 mm Bed depth: 100 cm. w/side manhole. 11 m ³ /h w/single layer 15 m ³ /h w/multilayer	021813HB	847,00	1	35,200	0,584
• Ø 615 mm Large lid. Bed depth: 70 cm 15 m ³ /h	021813LH	589,00	1	31,000	
• Ø 615 mm Large lid. Bed depth: 100 cm. w/side manhole. 11 m ³ /h w/single layer 15 m ³ /h w/multilayer	021813LHB	931,00	1	55,000	0,852

PS: All Filtrone Models are resistant against Ozone.



021813HB



021813LHB

TECHNICAL CHARACTERISTICS

MODEL	FLT615LH	FLT615HB	FLT615LHB
D (mm)	615	615	615
H ₁ (mm)	1060	1500	1530
H ₃ (mm)	1000	1440	1460
H ₄ (mm)	580	580	580
H ₅ (mm)	410	720	720
W (mm)	260	260	260
CONNECTIONS (Ø)	1 1/2"	1 1/2"	1 1/2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	15	15	15
FLOW (m ³ /h) (40 m ³ /h/m ²)	12	12	12
ANTHRACITE 0,8 - 1,6 mm (lt)	-	200	200
QUARTZSAND 0,5 - 1 mm (Kg)	200	200	200
QUARTZ SAND 1 - 3 mm (Kg)	100	150	150
NET WEIGHT (Kg)	31,000	34,250	37,150



Lateral Collector

“Filtrex” High Rate Sand Filters

GEMAS “FILTREX” SAND FILTERS. Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, side mounted multiport valve and air purge. Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³ / h / m².



021111



021116

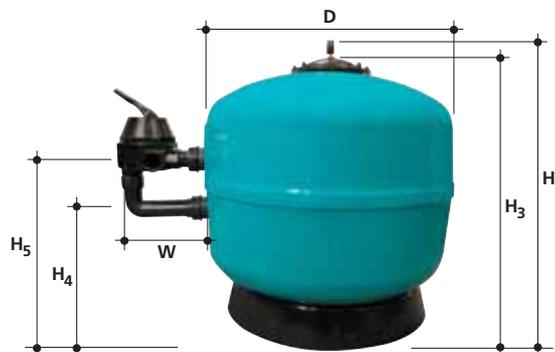


021117L



021117F

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 450 mm - 1 1/2" multiport valve - 8 m ³ /h	021111	299,00	1	15,400	0,145
• Ø 500 mm - 1 1/2" multiport valve - 10 m ³ /h	021112	316,00	1	17,500	0,215
• Ø 630 mm - 1 1/2" multiport valve - 14 m ³ /h	021113	390,00	1	22,800	0,325
• Ø 710 mm - 2" multiport valve - 21 m ³ /h	021114	547,00	1	30,000	0,470
• Ø 830 mm - 2" multiport valve - 27 m ³ /h	021115	625,00	1	38,600	0,665
• Ø 900 mm - 2" multiport valve - 32 m ³ /h	021116	701,00	1	46,300	0,905
• Ø 1000 mm, Ø 75 Slip union connections - without multiport valve - 40 m ³ /h	021117	982,00	1	63,200	1,021
• Ditto, Ø 75 with Flange connection. W/out Multiport valve (Counter flange is not included)	021117F	1012,00	1	63,200	1,021
• Ø 1000 mm, Large Lid, Ø 75 Slip union connections - without multiport valve - 40 m ³ /h	021117L	1042,00	1		



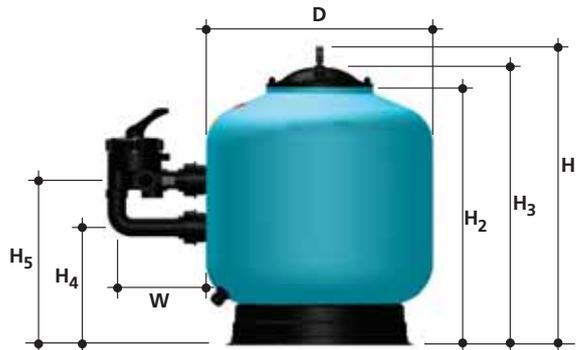
TECHNICAL CHARACTERISTICS

MODEL	FX 450	FX 500	FX 630	FX 710	FX 830	FX 900	FX 1000
D (mm)	450	500	630	710	830	900	1000
H ₁ (mm)	735	760	820	915	975	1020	1410
H ₂ (mm)	-	-	-	-	-	-	-
H ₃ (mm)	675	700	760	855	915	960	1350
H ₄ (mm)	270	305	335	355	375	395	525
H ₅ (mm)	420	455	485	515	545	570	685
W (mm)	260	260	260	295	295	295	-
W1 (mm)	-	-	-	-	-	-	-
CONNECTIONS (Ø)	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	8	10	14	21	27	32	40
SAND (Kg)	80	100	150	250	350	450	700
NET WEIGHT (Kg)	15,400	17,500	22,800	30,000	38,600	46,300	63,200

“FILTEGRA” High Rate Sand Filters

GEMAS “FILTEGRA” SAND FILTERS. Filter Shell Made of Smooth ABS plastic which decreases algae and bacteria cling inside filter. Outer Shell is **MONOBLOCK GELCOATED FR POLYESTER. UNLIKE THE UNIVERSAL LAMINATED FILTERS 2 PART BODY STRUCTURE, FILTEGRA HAS BEEN DESIGNED TO BE PRODUCED WITH A UNIQUE TECHNIQUE WHICH RESULTS A MONOBLOCK SMOOTH, GELCOATED OUTER BODY.** Complete with pressure gauge and side mounted multiport valve. Maximum Working Pressure 2,5 kg /cm². Test Pressure 4 kg/cm². Filtration Rate 50 m³/h/m². **10 YEARS SHELL WARRANTY**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 500 mm - 1 1/2" multiport valve - 10 m ³ /h	021811	316,00	1		
• Ø 630 mm - 1 1/2" multiport valve - 15 m ³ /h	021812	390,00	1		
• Ø 710 mm - 1 1/2" multiport valve - 20 m ³ /h	021813	547,00	1	JUNE 2017	
Ø 500 mm - 1 1/2" top valve - 10 m ³ /h	021821	268,00	1		
Ø 630 mm - 1 1/2" top valve - 15 m ³ /h	021822	331,00	1		
Ø 710 mm - 1 1/2" top valve - 20 m ³ /h	021823		1	ASK PRICE	



TECHNICAL CHARACTERISTICS

MODEL	FTR500	FTR630	FTR710
D (mm)	500	630	710
H ₁ (mm)	810	820	960
H ₂ (mm)	700	710	850
H ₃ (mm)	750	760	900
H ₄ (mm)	310	330	350
H ₅ (mm)	440	460	500
W (mm)	260	260	295
CONNECTIONS (Ø)	1 1/2"	1 1/2"	2"

NEW !

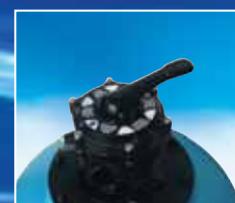
10 YEAR SHELL WARRANTY



Couplings compatible with d50 Fitvalf ball valve handle



Monoblock body



Top valve

“FILTEGRA-SL” High Rate Sand Filters

10 YEAR SHELL WARRANTY

NEW !



Easy opening lid

NEW !



LED lighting transparent lid (Optional)



Couplings compatible with d50 Fitvalf ball valve handle

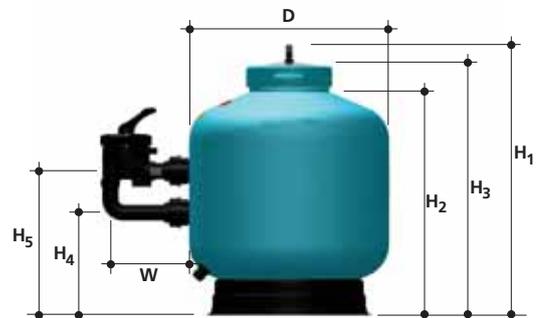


Monoblock body

GEMAS “FILTEGRA-SL” SAND FILTERS. Filter Shell Made of Smooth ABS plastic which decreases algae and bacteria cling inside filter. Outer Shell is **MONOBLOCK GELCOATED FR POLYESTER. UNLIKE THE UNIVERSAL LAMINATED FILTERS 2 PART BODY STRUCTURE, FILTEGRA HAS BEEN DESIGNED TO BE PRODUCED WITH A UNIQUE TECHNIQUE WHICH RESULTS A MONOBLOCK SMOOTH, GELCOATED OUTER BODY.** Complete with easy opening threaded, large and transparent lid (dimater is 2 cms larger than bolted lid), pressure gauge and side mounted multiport valve. **OPTIONAL LIGHTING TOUCHPAD BUTTON WITH BATTERY** Maximum Working Pressure 2,5 kg /cm². Test Pressure 4 kg/cm². Filtration Rate 50 m³/h/m². **10 YEARS SHELL WARRANTY .**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 500 mm - 1 1/2" multiport valve - 10 m ³ /h	021811S	325,00	1		
• Ø 630 mm - 1 1/2" multiport valve - 10 m ³ /h	021812S	402,00	1		
• Ø 710 mm - 1 1/2" multiport valve - 10 m ³ /h	021813S	591,00	1		JUNE 2017

PS: Lighting Price difference 30 Euro. In case of order please add “L” to side of the code



TECHNICAL CHARACTERISTICS

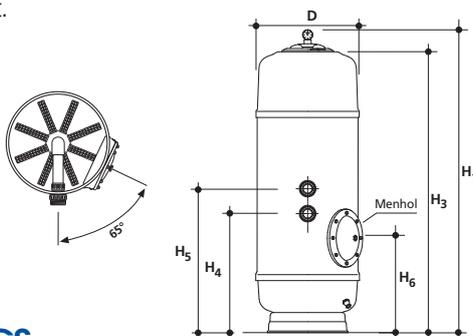
MODEL	FTRSL500	FTRSL630	FTRSL710
D (mm)	500	6630	710
H ₁ (mm)	810	860	960
H ₂ (mm)	700	710	850
H ₃ (mm)	750	800	900
H ₄ (mm)	310	330	350
H ₅ (mm)	440	460	500
W (mm)	260	260	295
CONNECTIONS (Ø)	1 1/2"	1 1/2"	2"

High Bed, Single or Multi-Layer Sand Filters

GEMAS FILTRES - HB SAND FILTERS. Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, air purge and multiport valve. Collector with laterals. Bed depth 100 cm. Test pressure 3.5 kg/cm². Max. operation pressure 2,5 kg/cm². **Please ask price for 4,0 and 6,0 kg/cm² operation pressures. Sight Glass is optional.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 500 mm - 1 1/2" multiport valve - 7 m ³ /h w/single layer 10 m ³ /h w/multilayer	021311HB	698,00	1	30,000	0,403
• Ø 630 mm - 1 1/2" multiport valve - 11 m ³ /h w/single layer 15 m ³ /h w/multilayer	021312HB	857,00	1	35,200	0,584
• Ø 710 mm - 2" multiport valve - 14 m ³ /h w/single layer 20 m ³ /h w/multilayer	021313HB	1053,00	1	55,000	0,852
• Ø 800 mm - 2" multiport valve - 18 m ³ /h w/single layer 25 m ³ /h w/multilayer	021314HB	1363,00	1	71,000	1,230
• Ø 900 mm - 2" multiport valve - 22 m ³ /h w/single layer 32 m ³ /h w/multilayer	021315HB	1445,00	1	78,500	1,420
• Ø 1000 mm - w/out multiway valve - 32 m ³ /h w/single layer 39 m ³ /h w/multilayer	021316HB	1949,00	1		

PS: Ozone resistant filters are quoted upon request.



TECHNICAL CHARACTERISTICS

MODEL	HB 500	HB 630	HB 710	HB 800	HB 900	HB 1000
D (mm)	500	630	720	800	900	1000
H ₁ (mm)	1545	1525	1690	1780	1765	1940
H ₂ (mm)	-	-	-	-	-	-
H ₃ (mm)	1430	1410	1575	1665	1650	1840
H ₄ (mm)	605	590	690	605	700	500
H ₅ (mm)	735	720	815	885	825	1460
H ₆ (mm)	580	630	565	310	715	1000
CONNECTIONS (Ø)	1 1/2"	1 1/2"	2"	2"	2"	2 1/2"
FLOW (m ³ /h) (40 m ³ /h/m ²)	8	12	16	20	25	32
ANTHRACITE 0,8 - 1,6 mm (lt)	150,000	200,000	250,000	320,000	470,000	580,000
QUARTZ SAND 0,5 - 1 mm (Kg)	150,000	200,000	250,000	320,000	470,000	580,000
QUARTZ SAND 1 - 3 mm (Kg)	100,000	150,000	215,000	270,000	420,000	577,000
NET WEIGHT (Kg)	30,000	35,200	55,000	71,000	78,500	95,000



Lateral Collector

“Neptune” High Rate Sand Filters

GEMAS “NEPTUNE” SAND FILTERS. Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, side or top-mounted multiport valve and air purge. Screwed lid with handle facilitates easy access, Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Bed depth: 0,80 m. Filtration rate: 50 m³ / h / m².



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 450 mm - 1 1/2" multiport side valve - 8 m ³ /h	021211	311,00	1	114,400	0,145
• Ø 500 mm - 1 1/2" multiport side valve - 10 m ³ /h	021212	326,00	1	15,550	0,215
• Ø 650 mm - 1 1/2" multiport side valve - 16 m ³ /h	021213	414,00	1	22,500	0,325
• Ø 800 mm - 2" multiport side valve - 24 m ³ /h	021214	634,00	1	37,600	0,665
• Ø 950 mm - 2" multiport side valve - 34 m ³ /h	021215	774,00	1	50,500	0,905



TECHNICAL CHARACTERISTICS

MODEL	NP 450	NP 500	NP 650	NP 800	NP 950
D (mm)	450	500	650	800	950
H ₁ (mm)	710	750	845	1005	1110
H ₂ (mm)	-	-	-	-	-
H ₃ (mm)	650	690	785	945	1050
H ₄ (mm)	250	295	330	380	450
H ₅ (mm)	400	445	470	530	600
W (mm)	260	260	295	295	295
W1 (mm)	-	-	-	-	-
CONNECTIONS (Ø)	1 1/2"	1 1/2"	1 1/2"	2"	2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	8	10	16	24	34
SAND (Kg)	70	90	150	250	450
NET WEIGHT (Kg)	14,400	15,550	22,500	37,600	50,500

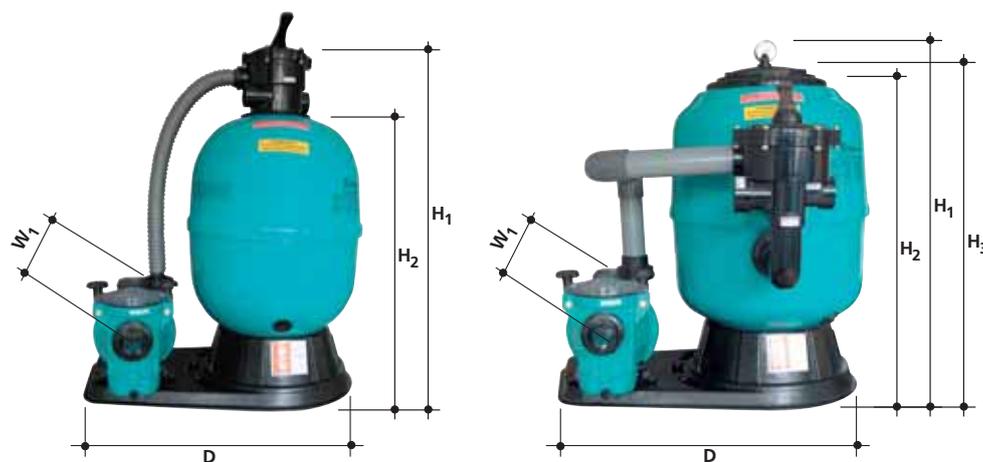
“Neptune” Filtration Units

GEMAS “NEPTUNE” FILTRATION UNIT. Fiberglass reinforced polyester filter assembled on a plastic base and installed with a pool pump. Multiport valve TOP MOUNTED. Interconnection piping between the pump and the filter are both included.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 450 mm with Fiberglass Reinforced Polyester Filter, Pump 1/2 HP, Mono	021221FU	569,00	1	34,050	0,440
• Ø 500 mm with Fiberglass Reinforced Polyester Filter, Pump 3/4 HP, Mono	021222FU	590,00	1	36,950	0,460
• Ø 650 mm with Fiberglass Reinforced Polyester Filter, Pump 1,0 HP, Mono	021223FU	735,00	1	39,850	0,808

GEMAS “NEPTUNE” FILTRATION UNIT. Fiberglass reinforced polyester filter assembled on a plastic base and installed with a pool pump. Multiport valve SIDE MOUNTED. Interconnection piping between the pump and the filter are both included.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 450 mm with Fiberglass Reinforced Polyester Filter, Pump 1/2 HP, Mono	021211FU	620,00	1	33,850	0,440
• Ø 500 mm with Fiberglass Reinforced Polyester Filter, Pump 3/4 HP, Mono	021212FU	637,00	1	36,650	0,460
• Ø 650 mm with Fiberglass Reinforced Polyester Filter, Pump 1,0 HP, Mono	021213FU	801,00	1	39,550	0,808



For dimensions, please see page 40



“Ikarus” High Rate Sand Filters



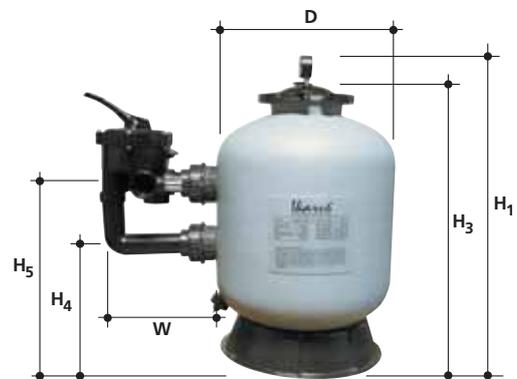
GEMAS “IKARUS” PE PLASTIC SAND FILTERS. Made of PE plastic; complete with pressure gauge and top mounted multiport valve. Max. operation pressure 2,0 kg/cm². Filtration rate: 50 m³/h/m²

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 300 mm -1 1/2" top mounted multiport valve - 3,54 m ³ /h	021320	120,00	1	7,000	0,110
• Ø 400 mm -1 1/2" top mounted multiport valve - 6,30 m ³ /h	021321	130,00	1	8,000	0,145
• Ø 450 mm -1 1/2" top mounted multiport valve - 8,00 m ³ /h	021323	150,00	1	9,500	0,145
• Ø 500 mm -1 1/2" top mounted multiport valve - 10 m ³ /h	021322	175,00	1	10,500	0,180



GEMAS “IKARUS” PE PLASTIC SAND FILTERS. Made of PE plastic; complete with pressure gauge and side mounted multiport valve. Max. operation pressure 2,0 kg/cm². Filtration rate: 50 m³/h/m²

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 300 mm -1 1/2" side mounted multiport valve - 3,54 m ³ /h	021310	146,00	1	6,700	0,110
• Ø 400 mm -1 1/2" side mounted multiport valve - 6,30 m ³ /h	021311	160,00	1	7,700	0,145
• Ø 450 mm -1 1/2" side mounted multiport valve - 8,00 m ³ /h	021313	185,00	1	9,200	0,145
• Ø 500 mm -1 1/2" side mounted multiport valve - 10 m ³ /h	021312	195,00	1	10,200	0,180



For dimensions, please see page 40

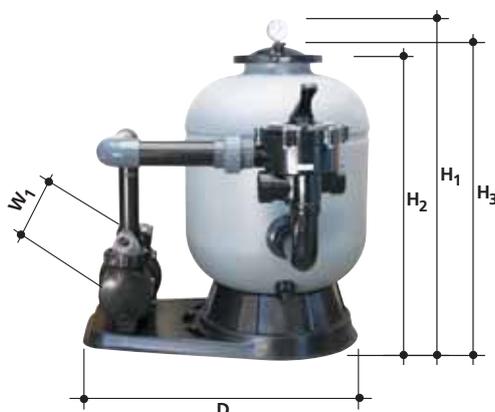
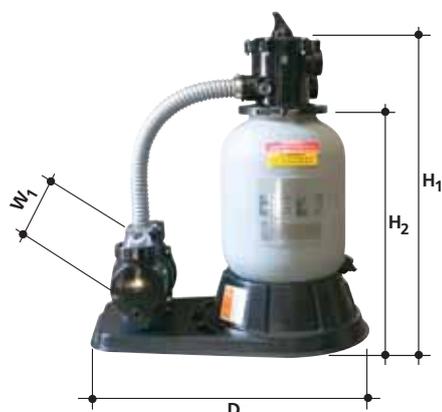
“Ikarus” Filtration Units

GEMAS “IKARUS” FILTRATION UNIT. PE Plastic body filter assembled on a plastic base and installed with a pool pump. Multiport valve TOP MOUNTED. Interconnection piping between the pump and the filter are both included.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 300 mm with Plastic Sand Filter, Pump 1/3 HP, Mono - Micro	021320FU	342,00	1	14,500	0,440
• Ø 400 mm with Plastic Sand Filter, Pump 1/2 HP, Mono - Micro	021321FU	368,00	1	16,500	0,440
• Ø 450 mm with Plastic Sand Filter, Pump 1/2 HP, Mono - Micro	021323FU	396,00	1	18,000	0,440
• Ø 500 mm with Plastic Sand Filter, Pump 3/4 HP, Mono - Mini	021322FU	433,00	1	21,500	0,460

GEMAS “IKARUS” FILTRATION UNIT. PE Plastic body filter assembled on a plastic base and installed with a pool pump. Multiport valve SIDE MOUNTED. Interconnection piping between the pump and the filter are both included.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 300 mm with Plastic Sand Filter, Pump 1/3 HP, Mono - Micro	021310FU	368,00	1	14,200	0,440
• Ø 400 mm with Plastic Sand Filter, Pump 1/2 HP, Mono - Micro	021311FU	391,00	1	16,200	0,440
• Ø 450 mm with Plastic Sand Filter, Pump 1/2 HP, Mono - Micro	021313FU	419,00	1	17,700	0,440
• Ø 500 mm with Plastic Sand Filter, Pump 3/4 HP, Mono - Mini	021312FU	456,00	1	21,200	0,460



For dimensions, please see page 40

“Ikarus” High Rate Sand Filters

TECHNICAL CHARACTERISTICS



	Top Mounted Multiport Valve				Side Mounted Multiport Valve			
MODEL	300	400	450	500	300	400	450	500
D (mm)	300	400	450	500	300	400	450	500
H ₁ (mm)	735	815	865	940	590	670	720	800
H ₂ (mm)	500	580	630	705	500	580	630	705
H ₃ (mm)	-	-	-	-	530	610	660	740
H ₄ (mm)	-	-	-	-	215	240	225	300
H ₅ (mm)	-	-	-	-	355	385	395	440
W (mm)	-	-	-	-	260	260	260	260
CONNECTIONS (Ø)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	3,54	6,30	8	10	3,54	6,30	8	10
SAND (Kg)	25	50	60	90	25	50	60	90
NET WEIGHT (Kg)	7,000	8,000	9,500	10,500	6,700	7,700	9,200	10,200

“Ikarus” Filtration Units

TECHNICAL CHARACTERISTICS



	Top Mounted Multiport Valve				Side Mounted Multiport Valve			
MODEL	300	400	450	500	300	400	450	500
D (mm)	680	685	685	855	680	685	685	870
H ₁ (mm)	770	875	945	990	625	725	770	845
H ₂ (mm)	535	640	710	755	535	640	710	755
H ₃ (mm)	-	-	-	-	565	665	710	785
H ₄ (mm)	-	-	-	-	-	-	-	-
H ₅ (mm)	-	-	-	-	-	-	-	-
W (mm)	-	-	-	-	-	-	-	-
W1 (mm)	565	565	565	575	625	675	720	760
CONNECTIONS (Ø)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	3,54	6,30	8	10	3,54	6,30	8	10
SAND (Kg)	25	50	60	90	25	50	60	90
NET WEIGHT (Kg)	14,500	16,500	18,000	21,500	14,200	16,200	17,700	21,200

“Neptune” Filtration Units

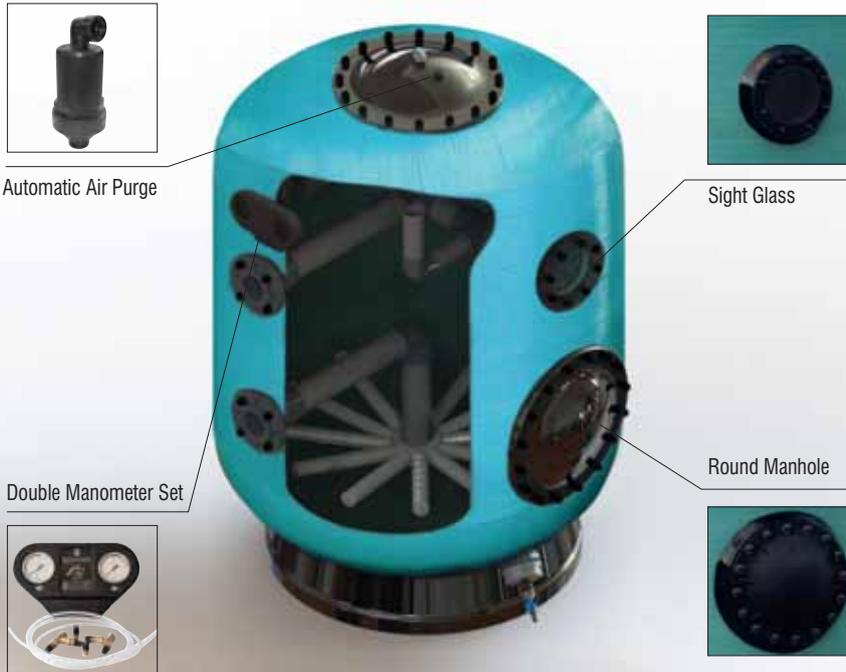
TECHNICAL CHARACTERISTICS



	Top Mounted Multiport Valve			Side Mounted Multiport Valve		
MODEL	450	500	650	450	500	650
D (mm)	685	880	995	685	880	955
H ₁ (mm)	850	890	970	770	800	890
H ₂ (mm)	615	655	735	615	655	735
H ₃ (mm)	-	-	-	710	740	830
H ₄ (mm)	-	-	-	-	-	-
H ₅ (mm)	-	-	-	-	-	-
W (mm)	-	-	-	-	-	-
W1 (mm)	-	-	-	675	775	925
CONNECTIONS (Ø)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
FLOW (m ³ /h) (50 m ³ /h/m ²)	8	10	16	8	10	16
SAND (Kg)	70	90	150	70	90	150
NET WEIGHT (Kg)	34,050	36,950	39,850	33,850	36,650	39,550

“Turbidron” Bobbin Wound Filters

ADDITIONAL OPTION FOR GEMAS “TURBIDRON” BOBBIN WOUND SAND FILTERS



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Round Manhole (2,5 bar) Ø 400 mm	0217172	1073,00	1		
• Round Manhole (4 bar) Ø 400 mm	0217182	1330,00	1		
• Sight Glass Ø 90 mm	0217192	377,00	1		
• Sight Glass Ø 125 mm	0217202	412,00	1		
• Sight Glass Ø 200 mm	0217212	505,00	1		
• Automatic Air Purge 1"	0217222	35,00	1		
• Automatic Air Purge 2"	0217232	99,00	1		
• Double Manometer Set	0217242	217,00	1		
• Double Manometer Set with Sampling Valves	0217252	301,00	1		
• Ozone Protection (Vinlyester coating)		+ %20			
• Sand Bed Depth = 1,5 m difference (from 1,2 m)		+ %20			

“Turbidron” Bobbin Wound Filters

GEMAS “TURBIDRON” SAND FILTERS. Filter shell made of FR Polyester and reinforced by fiberglass bobbin winding outside. Complete with pressure gauge, air release valve of 1/2". Test pressure 4,0 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 40 m³/h/m². Filtration bed depth:1,0 m (Excluding 021717E). Please ask price for 4,0 and 6,0 kg/cm² operation pressures.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 1200 mm - 56 m ³ /h, w/slip union	021717E	1488,00	1		
• Ø 1200 mm - 56 m ³ /h	021725	1728,00	1		
• Ø 1400 mm - 77 m ³ /h	021718	2104,00	1		
• Ø 1600 mm - 100 m ³ /h	021719	2690,00	1		
• Ø 1800 mm - 127 m ³ /h	021720	3788,00	1		
• Ø 2000 mm - 157 m ³ /h	021721	4905,00	1		
• Ø 2200 mm - 190 m ³ /h	021722	6578,00	1		
• Ø 2400 mm - 226 m ³ /h	021723	8358,00	1		
• Ø 2500 mm - 245 m ³ /h	021724	9518,00	1		

PS. Filtration rate for public pools should not exceed 40 m³/h/m².



TECHNICAL CHARACTERISTICS

MODEL	1200E	1200	1400	1600	1800	2000	2200	2400	2500
D (mm)	1200	1200	1400	1600	1800	2000	2200	2400	2500
H ₁ (mm)	1160	1566	1800	1905	1950	2050	2300	2370	2770
H ₂ (mm)	-	-	-	-	-	-	-	-	-
H ₃ (mm)	1100	1506	1794	1845	1890	1990	2240	2310	2710
H ₄ (mm)	490	617	650	710	750	810	900	900	950
H ₅ (mm)	820	947	985	1210	1260	1300	1400	1400	1450
W (mm)	-	-	-	-	-	-	-	-	-
W1 (mm)	-	-	-	-	-	-	-	-	-
CONNECTIONS Ø (mm)	90	90	110	125	140	160	200	200	200
FLOW (m ³ /h) (50 m ³ /h/m ²)	56	56	77	100	127	157	190	226	245
SAND (Kg)	1300	1500	1950	2750	3650	4750	5700	6600	10000
NET WEIGHT (Kg)	80,000	159,000	180,000	240,000	290,000	330,000	480,000	575,000	650,000

“Turbidron” Bobbin Wound Filters

GEMAS “TURBIDRON” SAND FILTERS. Filter shell made of FR Polyester and reinforced by fiberglass bobbin winding outside. Complete with pressure gauge, air release valve of 1 1/2”. Test pressure 4,0 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 30 m³/h/m². Filtration bed depth:1,2 m. Please ask price for 4,0 and 6,0 kg/cm² operation pressures.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 1200 mm - 34 m ³ /h	0217171	2246,00	1		
• Ø 1400 mm - 46 m ³ /h	0217181	2734,00	1		
• Ø 1600 mm - 60 m ³ /h	0217191	3496,00	1		
• Ø 1800 mm - 76 m ³ /h	0217201	4924,00	1		
• Ø 2000 mm - 94 m ³ /h	0217211	6376,00	1		
• Ø 2200 mm - 114 m ³ /h	0217221	8551,00	1		
• Ø 2400 mm - 136 m ³ /h	0217231	10384,00	1		
• Ø 2500 mm - 147 m ³ /h	0217241	11243,00	1		

PS. Filtration rate for public pools should not exceed 40 m³/h/m².



TECHNICAL CHARACTERISTICS

MODEL	1200	1400	1600	1800	2000	2200	2400	2500
D (mm)	1200	11400	11600	1800	2000	2200	2400	2500
H ₁ (mm)	1566	1800	1905	1950	2050	2300	2370	2770
H ₂ (mm)	-	-	-	-	-	-	-	-
H ₃ (mm)	1506	1794	1845	1890	1990	2240	2310	2710
H ₄ (mm)	617	650	710	750	810	900	900	950
H ₅ (mm)	947	985	1210	1260	1300	1400	1400	1450
W (mm)	-	-	-	-	-	-	-	-
W1 (mm)	-	-	-	-	-	-	-	-
CONNECTIONS Ø (mm)	90	110	125	140	160	200	200	200
FLOW (m ³ /h) (50 m ³ /h/m ²)	56	77	100	127	157	190	226	245
SAND (Kg)	2200	2800	4000	5300	6850	8200	9500	14400
NET WEIGHT (Kg)	230,000	260,000	345,000	400,000	480,000	700,000	850,000	950,000



021723 - Manhole optional

“Turbidron - Norm Plus” Deep - Bed Sand Filter

GEMAS “TURBIDRON-NORM PLUS” SAND FILTERS (According to DIN 19605 and 19643). Filter shell made of fiberglass reinforced laminated polyester by fiberglass bobbin winding outside. Including pressure gauge, air purge and multiport valve. Collector plate with nozzles. Sight glass and side manhole at side. Bed depth: 1,20 m. Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration Rate: Single Layer (Quartz Sand) : 30 m³/h/m². Multilayer (Quartz Sand + Anthracite and/or zeolite) : 40 m³/h/m².



021520



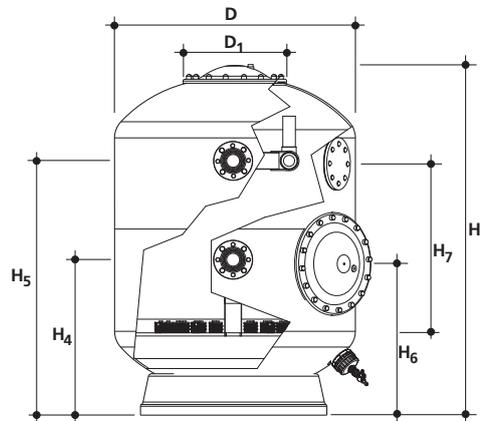
021517



Nozzle plate distribution system

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 900 mm - 19 m ³ /h - 25 m ³ /h	021512	2304,00	1		
• Ø 1000 mm - 24 m ³ /h - 32 m ³ /h	021513	3179,00	1		
• Ø 1250 mm - 37 m ³ /h - 49 m ³ /h	021514	5433,00	1		
• Ø 1400 mm - 46 m ³ /h - 61,5 m ³ /h	021515	6603,00	1		
• Ø 1600 mm - 63 m ³ /h - 84 m ³ /h	021516	8666,00	1		
• Ø 1800 mm - 76 m ³ /h - 101 m ³ /h	021517	10229,00	1		
• Ø 2000 mm - 94 m ³ /h - 125 m ³ /h	021518	12638,00	1		
• Ø 2200 mm - 114 m ³ /h - 152 m ³ /h	021519	14005,00	1		
• Ø 2400 mm - 136 m ³ /h - 181 m ³ /h	021520	15806,00	1		
• Ø 2500 mm - 147 m ³ /h - 196 m ³ /h	021521	19632,00	1		

PS. Filtration rate for public pools should not exceed 40 m³/h/m².



TECHNICAL CHARACTERISTICS

MODEL	900	1000	1250	1400	1600	1800	2000	2200	2400	2500
D (mm)	900	1000	1250	1400	1600	1800	2000	2200	2400	2500
D ₁ (mm)										
H ₃ (mm)	2030	2091	2308	2451	2423	2473	2573	2573	2623	2750
H ₄ (mm)		506	312	900	900	900	900	900	900	
H ₅ (mm)		1661	2029	1700	1700	1700	1700	1700	1700	
H ₆ (mm)		998	942	883	867	900	910	900	920	
H ₇ (mm)		1343	1240	1200	1200	1200	1200	1200	1200	
CONNECTIONS Ø (mm)	63	75	75	90	90	110	125	140	140	160
FLOW (m ³ /h) (30 m ³ /h/m ²)	19	24	37	46	63	76	94	114	136	147

“Turbidron” Bobbin Wound Horizontal Filters

Filter shell made of fiberglass reinforced laminated polyester by fiberglass bobbin winding outside. Complete with pressure gauge, 1 1/2” air valve and 400 mm side manhole. Test pressure 4 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate Max. 30 m³/h/m². **Pls. ask price for 4 Bar working pressure.**

NEW!



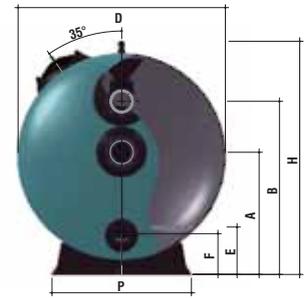
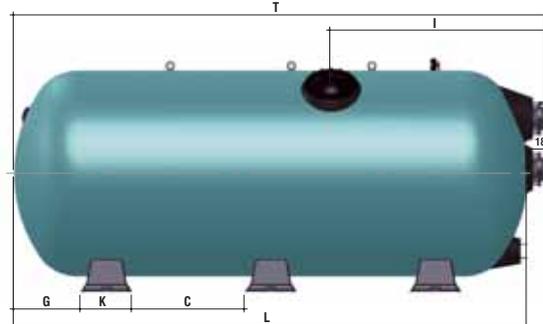
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Filtration Bed Depth 0,6 m.					
• Ø 1000 mm - L=1500 mm. 34 m ³ /h	02197161	3135,00	1		
• Ø 1000 mm - L=2000 mm. 51 m ³ /h	02197162	3852,00	1		
• Ø 1200 mm - L=2000 mm. 63 m ³ /h	02197171	4788,00	1		
• Ø 1200 mm - L=2500 mm. 80 m ³ /h	02197172	6309,00	1		
Filtration Bed Depth 0,8 m.					
• Ø 1400 mm - L=2000 mm. 70 m ³ /h	02197181	5829,00	1		
• Ø 1400 mm - L=2500 mm. 88 m ³ /h	02197182	7773,00	1		
• Ø 1400 mm - L=3000 mm. 110 m ³ /h	02197183	8945,00	1		
• Ø 1600 mm - L=2000 mm. 87 m ³ /h	02197191	6776,00	1		
• Ø 1600 mm - L=2500 mm. 105 m ³ /h	02197192	8716,00	1		
• Ø 1600 mm - L=3000 mm. 137 m ³ /h	02197193	9770,00	1		
Filtration Bed Depth 1,0 m.					
• Ø 1800 mm - L=2500 mm. 114 m ³ /h	02197201	9076,00	1		
• Ø 1800 mm - L=3000 mm. 140 m ³ /h	02197202	10667,00	1		
• Ø 1800 mm - L=3500 mm. 166 m ³ /h	02197203	12165,00	1		
• Ø 1800 mm - L=4000 mm. 191 m ³ /h	02197204	13361,00	1		
• Ø 2000 mm - L=2500 mm. 123 m ³ /h	02197211	10071,00	1		
• Ø 2000 mm - L=3000 mm. 152 m ³ /h	02197212	11416,00	1		
• Ø 2000 mm - L=3500 mm. 180 m ³ /h	02197213	12982,00	1		
• Ø 2000 mm - L=4000 mm. 209 m ³ /h	02197214	14054,00	1		
• Ø 2000 mm - L=4500 mm. 236 m ³ /h	02197215	16100,00	1		
• Ø 2000 mm - L=5000 mm. 265 m ³ /h	02197216	18120,00	1		
• Ø 2200 mm - L=2500 mm. 137 m ³ /h	02197221	12781,00	1		
• Ø 2200 mm - L=3000 mm. 165 m ³ /h	02197222	14436,00	1		
• Ø 2200 mm - L=3500 mm. 197 m ³ /h	02197223	16092,00	1		
• Ø 2200 mm - L=4000 mm. 229 m ³ /h	02197224	17978,00	1		
• Ø 2200 mm - L=4500 mm. 258 m ³ /h	02197225	19863,00	1		
• Ø 2200 mm - L=5000 mm. 287 m ³ /h	02197226	20338,00	1		
Filtration Bed Depth 1,2 m.					
• Ø 2400 mm - L=3000 mm. 179 m ³ /h	02197231	17339,00	1		
• Ø 2400 mm - L=3500 mm. 214 m ³ /h	02197232	19200,00	1		
• Ø 2400 mm - L=4000 mm. 248 m ³ /h	02197233	21900,00	1		
• Ø 2400 mm - L=5000 mm. 306 m ³ /h	02197234	24600,00	1		
• Ø 2500 mm - L=4000 mm. 267 m ³ /h	02197241	23325,00	1		
• Ø 2500 mm - L=5000 mm. 341 m ³ /h	02197242	32134,00	1		



“Turbidron” Bobbin Wound Horizontal Filter



NEW!



TECHNICAL CHARACTERISTICS

MODEL	D (mm)	L (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	K (mm)	P (mm)	T (mm)	Connec. (Ø) (mm)	Flow (m³/h) (50 m²/h/m²)	Sand (Kg)	Net Weight (Kg)
02197161	1000	1500	600	850	400	300	250	300	1200	750	250	680	1600	90	60	1260	138
02197162	1000	2500	600	850	400	300	250	500	1200	1250	500	680	2600	125	100	2100	208
02197171	1200	2000	720	1020	300	330	250	350	1350	1000	500	820	2100	125	96	2016	216
02197172	1200	2500	720	1020	500	330	250	500	1350	1250	500	820	2600	140	120	2520	258
02197181	1400	2000	840	1090	300	360	250	350	1700	1000	500	950	2110	125	112	3136	262
02197182	1400	2500	840	1090	500	360	250	500	1700	1250	500	950	2610	140	140	3920	310
02197183	1400	3000	840	1090	800	360	250	600	1700	1500	500	950	3110	160	168	4704	359
02197191	1600	2000	960	1360	300	390	250	350	1870	1000	500	1090	2130	140	128	3584	310
02197192	1600	2500	960	1360	500	390	250	500	1870	1250	500	1090	2630	160	160	4480	366
02197193	1600	3000	960	1360	800	390	250	600	1870	1500	500	1090	3130	160	192	5376	421
02197201	1800	2500	1080	1530	500	420	300	500	2080	1250	500	1225	2670	160	180	6300	472
02197202	1800	3000	1080	1530	800	420	300	600	2080	1500	500	1225	3170	160	216	7560	541
02197203	1800	3500	1080	1530	500	420	300	500	2080	1750	500	1225	3670	200	252	8820	611
02197204	1800	4000	1080	1530	500	420	300	500	2080	2000	500	1225	4170	200	288	10080	680
02197211	2000	2500	1200	1700	500	450	400	500	2300	1250	500	1360	2690	160	200	7000	540
02197212	2000	3000	1200	1700	800	450	400	600	2300	1500	500	1360	3190	160	240	8400	617
02197213	2000	3500	1200	1700	500	450	400	500	2300	1750	500	1360	3690	200	280	9800	694
02197214	2000	4000	1200	1700	650	450	400	600	2300	2000	500	1360	4190	200	320	11200	771
02197215	2000	4500	1200	1700	900	450	400	600	2300	2250	500	1360	4690	225	360	12600	848
02197216	2000	5000	1200	1700	1060	450	400	650	2300	2100	500	1360	5190	225	400	14000	925
02197221	2200	2500	1320	1870	500	485	500	500	2470	1250	500	1500	2690	200	220	7700	673
02197222	2200	3000	1320	1870	800	485	500	600	2470	1500	500	1500	3190	200	264	9240	766
02197223	2200	3500	1320	1870	500	485	500	500	2470	1750	500	1500	3690	200	308	10780	860
02197224	2200	4000	1320	1870	650	485	500	600	2470	2000	500	1500	4190	225	352	12320	953
02197225	2200	4500	1320	1870	650	485	500	600	2470	2250	500	1500	4690	225	396	13860	1046
02197226	2200	5000	1320	1870	900	485	500	600	2470	2500	500	1500	5190	250	440	15400	1245
02197231	2400	3000	1440	2040	800	510	600	600	2400	1500	500	1630	4220	200	288	12096	935
02197232	2400	3500	1440	2040	500	510	600	500	2670	1750	500	1630	4220	200	336	14112	1277
02197233	2400	4000	1440	2040	650	510	600	600	2670	2000	500	1630	4220	225	384	16128	1413
02197241	2500	4000	1500	2125	650	540	600	600	2770	4000	500	1700	4220	225	400	16800	1486
02197242	2500	5000	1500	2125	1060	540	600	650	2770	5000	500	1360	5220	250	500	21000	1769

“Neptune” High Rate Sand Filters

GEMAS “NEPTUNE” COMMERCIAL SAND FILTERS. Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, air release valve of 1/2". Test pressure 3.5 kg/cm². Max. operation pressure 2,5 kg/cm². Filtration rate: 50 m³/h/m². Filtration Depth: 1,0 m (except 021216).

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 1200 mm - Connections Ø 90 mm w/slip union. Max. 56 m ³ /h	021216	1327,00	1	78,500	1,460
• Ditto, Large Lid	021216L	1387,00	1		
• Ø 1400 mm - Connections Ø 110 mm flanged. Max. 77 m ³ /h	021217	2048,00	1	145,000	2,350
• Ø 1600 mm - Connections Ø 125 mm flanged. Max. 100 m ³ /h	021218	2500,00	1	202,500	3,760
• Ø 1800 mm - Connections Ø 140 mm flanged. Max. 127 m ³ /h	021224	3477,00	1		
• Ø 2000 mm - Connections Ø 160 mm flanged. Max. 157 m ³ /h	021219	4450,00	1	245,000	6,410
• Ø 2200 mm - Connections Ø 200 mm flanged. Max. 190 m ³ /h	021220	6140,00	1		
• Ø 2400 mm - Connections Ø 200 mm flanged. Max. 226 m ³ /h	021225	9627,00	1		

PS. Filtration rate for public pools should not exceed 40 m³/h/m².



TECHNICAL CHARACTERISTICS

MODEL	NP 1200	NP 1200L	NP 1400	NP 1600	NP 1800	NP 2000	NP 2200	NP 2400
D (mm)	1200	1200	1400	1600	1800	2000	2200	2400
H ₁ (mm)	1400	1400	1630	1980				
H ₂ (mm)								
H ₃ (mm)	1290	1290	1520	1870				
H ₄ (mm)	590	590	650	710				
H ₅ (mm)	920	920	980	1210				
W (mm)								
W1 (mm)								
CONNECTIONS (Ø)	90	90	110	125	140	160	200	200
FLOW (m ³ /h) (50 m ³ /h/m ²)	56	56	77	100	127	157	190	226
SAND (Kg)	1300	1300	1950	2750	3650	4750	5700	6600
NET WEIGHT (Kg)	78,500	78,500	145,000	202,500	225,000	245,000		



021216L



021216



021218

Filtrex - Norm Plus Sand Filters - Deep Bed



Sight Glass

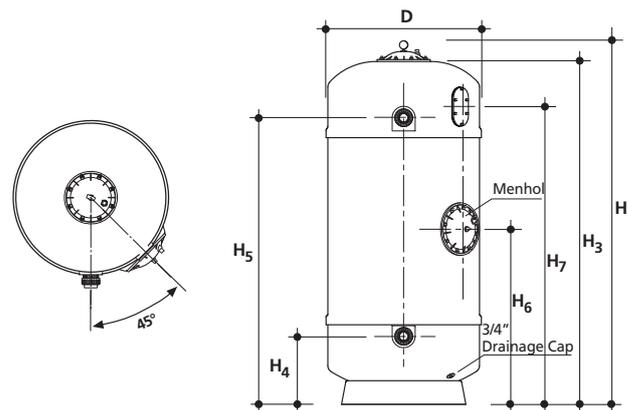


Nozzle
Distribution System

GEMAS FILTRET - NORM PLUS SAND FILTERS (According to DIN 19605 and 19643). Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, air purge. Manufactured with collector plate with nozzles. Sight glass at side. Bed depth 120 cm. Filtration rate for single layer: 30 m³/h/m². Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 630 mm - 9 m ³ /h - 12,5 m ³ /h	021411	1531,00	1	52,650	0,580
• Ø 830 mm - 16 m ³ /h - 21,5 m ³ /h	021412	1976,00	1	102,000	1,050
• Ø 1000 mm - 23,5 m ³ /h - 31,5 m ³ /h	021413	2350,00	1	120,000	2,430
• Ø 1250 mm - 37 m ³ /h - 49 m ³ /h	021414	3575,00	1		
• Ø 1400 mm - 46 m ³ /h - 61,5 m ³ /h	021415	4304,00	1		
• Ø 1600 mm - 63 m ³ /h - 84 m ³ /h	021416	6750,00	1		

PS: Ozone resistant filters are quoted upon request.



TECHNICAL CHARACTERISTICS

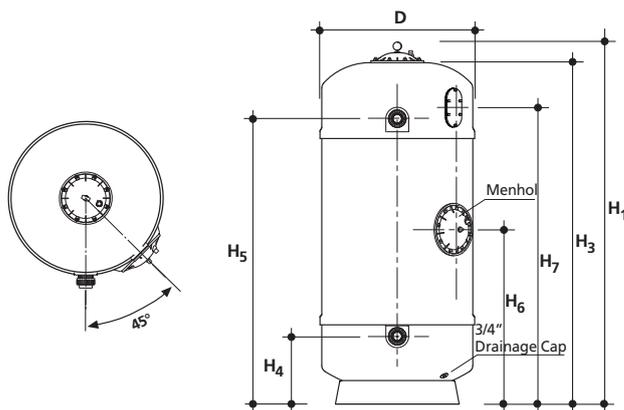
MODEL	NP 630	NP 830	NP 1000	NP 1250	NP 1400	NP 1600
D (mm)	630	830	1000	1250	1400	1600
H ₁ (mm)	2005	2030	2135	2400	2480	2430
H ₂ (mm)	-	-	-	-	-	-
H ₃ (mm)	1890	1915	2005	2270	2420	2360
H ₄ (mm)	320	375	505	315	830	885
H ₅ (mm)	1675	1605	-	2050	1730	1665
H ₆ (mm)	630	950	990	940	840	1035
H ₇ (mm)	1510	1620	1690	1640	1970	1635
W (mm)	-	-	-	-	-	-
W1 (mm)	-	-	-	-	-	-
CONNECTIONS (Ø)	1 1/2"	2"	2 1/2"	3"	4"	4"
FLOW (m ³ /h) (40 m ³ /h/m ²)	12	22	31	49	61	80
ANTHRACITE 0,8 - 1,6 mm (lt)	200,000	300,000	475,000	675,000	770,000	1000,000
QUARTZSAND 0,5 - 1 mm (Kg)	200,000	300,000	475,000	675,000	770,000	1000,000
QUARTZSAND 1 - 3 mm (Kg)	150,000	225,000	425,000	525,000	630,000	825,000
NET WEIGHT (Kg)	52,650	102,000	120,000	216,400	280,000	365,000

Filtrex - Norm Plus Sand Filters - Deep Bed

GEMAS FILTRET - NORM PLUS SAND FILTERS (According to DIN 19605 and 19643). Filter shell made of fiberglass reinforced laminated polyester, including pressure gauge, air purge. Manufactured with collector plate with nozzles. Sight glass at side. Bed depth 120 cm. Filtration rate for single layer: 30 m³/h/m². Test pressure 3,5 kg/cm². Max. operation pressure 2,5 kg/cm².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 1800 mm - 76 m ³ /h - 101 m ³ /h	021417	8603,00	1		
• Ø 2000 mm - 94 m ³ /h - 125 m ³ /h	021418	10436,00	1		
• Ø 2200 mm - 114 m ³ /h - 152 m ³ /h	021419	11570,00	1		
• Ø 2400 mm - 136 m ³ /h - 181 m ³ /h	021420	13817,00	1		
• Ø 2500 mm - 136 m ³ /h - 181 m ³ /h	021421	17989,00	1		

PS: Ozone resistant filters are quoted upon request.



Sight Glass



Nozzle Distribution System



Sight Glass

TECHNICAL CHARACTERISTICS

MODEL	NP 1800	NP 2000	NP 2200	NP 2400	NP 2500
D (mm)	1800	2000	2200	2400	2500
H ₁ (mm)	2500	2790	2655	2695	
H ₂ (mm)	-	-	-	-	
H ₃ (mm)	2325	2640	2500	2540	
H ₄ (mm)	790	1095	1000	1000	
H ₅ (mm)	1570	1865	1800	1770	
H ₆ (mm)	940	1095	1090	1090	
H ₇ (mm)	1540	1785	1800	1800	
W (mm)	-	-	-	-	
W1 (mm)	-	-	-	-	
CONNECTIONS (Ø)	5"	5"	6"	7,5"	7,5"
FLOW (m ³ /h) (40 m ³ /h/m ²)	102	126	152	181	197
ANTHRACITE 0,8 - 1,6 mm (lt)	1221	1507	1821	2170	4712
QUARTZ SAND 0,5 - 1 mm (Kg)	3205	3951	4787	5697	6185
QUARTZ SAND 1 - 3 mm (Kg)	1068	1319	1596	1899	2062
NET WEIGHT (Kg)	450	470	685	860	910

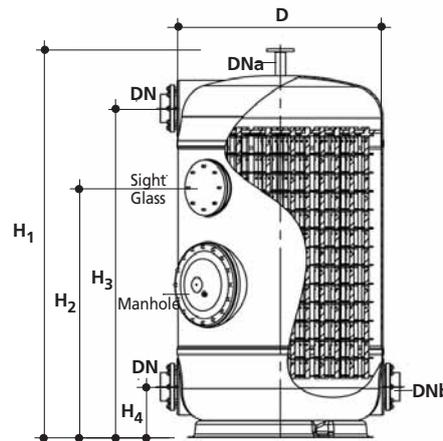
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Filtrex - Diatomic Earth Commercial Filters

GEMAS FILTRET DE FILTERS. Filter Shell made of fiberglass Reinforced polyester. Including pressure gauge, air purge. Complete with Sight Glass and Side Manhole. Much higher capacity than Sand Filters due to maximized filtration area. DE candles from ABS. Collector System with Nozzle Plate. Extra Connection on Bottom of the filter for diatome discharge. Operation Pressure max 2,5 kg/cm². Test Pressure 3,5 kg/cm². Filtration Rate 6 m³/h/m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 1000 mm - 90 m ³ /h	021430				
• Ø 1250 mm - 156 m ³ /h	021431				
• Ø 1400 mm - 198 m ³ /h	021432				
• Ø 1600 mm - 270 m ³ /h	021433				
• Ø 1800 mm - 330 m ³ /h	021434				
• Ø 2000 mm - 420 m ³ /h	021435				
• Ø 2200 mm - 534 m ³ /h	021436				
• Ø 2400 mm - 696 m ³ /h	021437				
P L S . A S K P R I C E					



TECHNICAL CHARACTERISTICS

MODEL	D 1000	D 1250	D 1400	D 1600	D 1800	D 2000	D 2200	D 2400
D (mm)	1000	1250	1400	1600	1800	2000	2200	2400
Filter Surface Area (m ²)	15	24	33	45	55	70	89	116
H ₁ (mm)	2140	2400	2580	2510	2500	2790	2650	2700
H ₂ (mm)	1750	2050	2100	2020	2000	2400	2300	2300
H ₃ (mm)	1320	1540	1630	1660	1570	1860	1770	1770
H ₄ (mm)	500	250	400	400	400	430	450	450
DNa (mm)	50	50	50	50	50	50	50	50
DN DNb (mm)	125	150	150	200	250	250	300	300
Capacity (6 m ³ /h)	90	144	198	270	330	420	534	696

Valve Batteries for Commercial Filters

FOR SINGLE FILTER: PVC Valve Batteries with 5 pieces of Ball/Butterfly valves complete mounted including pipe support pivots with arm clamps and anchoring system, all made in zinc-plated steel. **(Please see Battery Supports)**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 75 Ball Valves Battery	131117B	441,00	1		
• Ø 90 Ball Valves Battery	131118B	453,00	1		
• Ø 110 Ball Valves Battery	131119B	742,00	1		
• Ø 110 Butterfly Valves Battery	131603B	742,00	1		
• Ø 125 Butterfly Valves Battery	131604B	1066,00	1		
• Ø 140 Butterfly Valves Battery	131605B	1120,00	1		
• Ø 160 Butterfly Valves Battery	131606B	1470,00	1		
• Ø 200 Butterfly Valves Battery	131607B	2299,00	1		
• Ø 225 Butterfly Valves Battery	131608B	2619,00	1		

FOR TWO FILTERS: PVC Valve Batteries with 5 pieces of Ball/Butterfly valves including pipe support pivots with arm clamps and anchoring system, all made in zinc-plated steel. **(Please see Battery Supports)**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 110 Ball Valves Battery	131119BD	543,00	1		
• Ø 110 Butterfly Valves Battery	131603BD	985,00	1		
• Ø 125 Butterfly Valves Battery	131604BD	1222,00	1		
• Ø 140 Butterfly Valves Battery	131605BD	1283,00	1		
• Ø 160 Butterfly Valves Battery	131606BD	1655,00	1		
• Ø 200 Butterfly Valves Battery	131607BD	2574,00	1		
• Ø 225 Butterfly Valves Battery	131608BD	2946,00	1		



Automatic Air Purge. Automatic Air Purge for filters with large lid. Made of PVC, 1" male threaded connection.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1"	02701	35,00	1		
• 2"	02702	99,00	1		



Motor Actuated Valves and Automatic Battery Sets For Filters



For Single Filter: Motor Actuated PVC valve batteries with ball or butterfly valves for commercial sand filters. Complete with zinc plated BAttery Support Sets and Clamp Support Systems. (Please see Valve Battery Support Systems). The system is designed with 5 valve Groups including FILTRATION, BACKWASH, RINSE, RECIRCULATION and WASTE functions completely. DOES NOT INCLUDE CONTROL UNIT. Can be used manually in case of a power cut.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 75 Ball Valves Battery	131117BM		1 N	2 0 1 7	
• Ø 90 Ball Valves Battery	131118BM		1 N	2 0 1 7	
• Ø 110 Ball Valves Battery	131119BM		1 N	2 0 1 7	
• Ø 110 Butterfly Valves Battery	131603BM	4460,00			
• Ø 125 Butterfly Valves Battery	131604BM	6627,00			
• Ø 140 Butterfly Valves Battery	131605BM	6893,00			
• Ø 160 Butterfly Valves Battery	131606BM	7660,00			
• Ø 200 Butterfly Valves Battery	131607BM	8671,00			
• Ø 225 Butterfly Valves Battery	131608BM	8931,00			

NEW!



Automatic Valve Battery Control Unit With Microprocessor: It is designed to work with 5 valve groups (described above) with pressure and/or time controlled. It deactivates the pump in case of high pressure. It stops/starts the pump during the valve position changes.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Control Unit Pro	0221350P				
• Control Unit Basic	0221351P		PLS. ASK PRICE		
• Pressure Switch	0221352P				



Valve Battery Support Systems

GEMAS VALVE BATTERY SUPPORT PIVOT SET. Made of zinc plated steel, 40x40x2,5 mm steel profile, complete with 2 pieces of stainless steel sliding pipe clamp and 2 sets of sliding fixing part; with steel footers to be fixed with 4 screws on the ground.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2 x Ø 90 Clamp - h=1,5 m	139111	60,00	1		
• 2 x Ø 110 Clamp - h=1,5 m	139112	60,00	1		
• 2 x Ø 125 Clamp - h=1,5 m	139113	63,00	1		
• 2 x Ø 140 Clamp - h=1,5 m	139114	67,00	1		
• 2 x Ø 160 Clamp - h=1,5 m	139115	67,00	1		
• 2 x Ø 200 Clamp - h=1,5 m	139116	77,00	1		
• 2 x Ø 225 Clamp - h=1,5 m	139117	79,00	1		
• 2 x Ø 140 Clamp - h=2,0 m	139121	74,00	1		
• 2 x Ø 160 Clamp - h=2,0 m	139122	74,00	1		
• 2 x Ø 200 Clamp - h=2,0 m	139123	82,00	1		
• 2 x Ø 225 Clamp - h=2,0 m	139124	85,00	1		

GEMAS HORIZONTAL PIPE SUPPORT SET. Made of zinc plated steel, 40x40x2,5 mm steel profile, complete with 2 pieces of stainless steel sliding pipe clamp and 2 sets of sliding fixing part; with steel footers to be fixed with 4 screws on the ground.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 x Ø 90 Clamp - h=0,40 m	139211	32,00	1		
• 1 x Ø 110 Clamp - h=0,40 m	139212	32,00	1		
• 1 x Ø 125 Clamp - h=0,40 m	139213	32,50	1		
• 1 x Ø 140 Clamp - h=0,40 m	139214	33,50	1		
• 1 x Ø 160 Clamp - h=0,40 m	139215	33,50	1		
• 1 x Ø 200 Clamp - h=0,40 m	139216	35,50	1		
• 1 x Ø 225 Clamp - h=0,40 m	139217	36,50	1		



Detail 1



Detail 2

Valve Battery Support Systems

GEMAS VALVE BATTERY SUPPORT LANE - SINGLE. Made of zinc plated steel, 40x40x2,5 mm steel profile. Complete with steel footers to be fixed with 4 screws on the ground. Other end with plastic cap.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• h = 2,0 m, Support Pivot	1391112	39,00	1		
• h = 1,5 m, Support Pivot	1391111	32,00	1		
• h = 0,4 m, Horizontal Support	1391110	19,00	1		

GEMAS SLIDING PIPE CLAMP FOR SUPPORT. Made of AISI 304 stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 90	13911111	6,40	1		
• Ø 110	13911112	6,40	1		
• Ø 125	13911113	6,80	1		
• Ø 140	13911114	7,90	1		
• Ø 160	13911115	7,90	1		
• Ø 200	13911116	10,20	1		
• Ø 225	13911117	11,30	1		



GEMAS SLIDING CLAMP FIXING PART. Complete with M8 nuts and bolts. Two pieces of fixing part is necessary for each clamp.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1391114	3,40	1		



GEMAS CAP FOR SUPPORT LANE. Made of plastic, black cap - 400 x 400 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1391113	0,38	1		



Cartridge Filters

GEMAS CARTRIDGE FILTER. Body made in ABS plastic. Complete with manometer and air purge connections 1 1/2" BSP threaded. Max. operation pressure: 2.5 Bar.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● P510 Cartridge Filter - 6 m ³ /h	02411	191,00	1	5,000	0,040
● P511 Cartridge Filter - 8 m ³ /h	02412	212,00	1	5,500	0,050
● P512 Cartridge Filter - 11 m ³ /h	02413	260,00	1	6,500	0,060
● P513 Cartridge Filter - 16 m ³ /h	02414	301,00	1	7,500	0,070



GEMAS REPLACEMENT CARTRIDGE

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● P510 Cartridge	0241101	85,00	1		
● P511 Cartridge	0241201	107,00	1		
● P512 Cartridge	0241301	127,00	1		
● P513 Cartridge	0241401	185,00	1		

MODEL	DIA (mm)	HEIGHT (mm)	CONNECTIONS (INLET-OUTLET)	OPER.PRESSURE (kg/cm ²)	FLOW (m ³ /h)	FILTRATION CAP. (μ)
P510	220	460	1 1/2"	2,5	6,0	5
P511	220	570	1 1/2"	2,5	8,0	5
P512	220	708	1 1/2"	2,5	11,0	5
P513	220	856	1 1/2"	2,5	16,0	5



Hang-over Filtration Units

GEMAS "DECKON" HANG-OVER FILTRATION UNIT.

Hang-over Unit: Body made in UV resistant ABS plastic; complete with 100 W/12 V underwater light, skimmer, suction inlet, 2+1 side and bottom oriented inlets. Separated assembly of hang-over unit and filter room is possible by using two different plastic covers (included).
Filtration Room: Base part made in FRP, upper frame + room cover made in UV resistant ABS plastic. Complete with sand or cartridge filter, electrical control board, pneumatic on-off switch and transformer.



Filtration Room

Hang-over Unit



02511

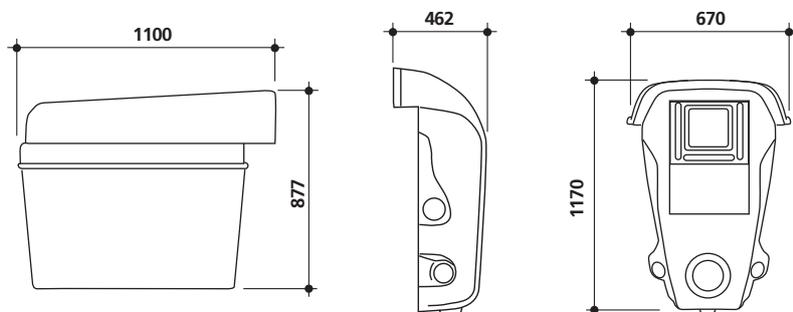


02512 - 02513 - 02514
02515 - 02516



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Hang-over Unit	02511	860,00	1	19,100	0,420
Filtration Room w/Sand Filter					
• Ø 400 mm Sand Filter + 1/2 HP Pump - 6 m ³ /h	02512	1560,00	1	65,850	0,870
• Ø 500 mm Sand Filter + 3/4 HP Pump - 10 m ³ /h	02513	1617,00	1	67,650	0,870
PS. In case of any inquiry for Ø 615 or Ø 710 filter, this unit could be incorporated w/filtration room 02517.					
Filtration Room w/Cartridge Filter					
• P510 Cartridge Filter + 1/2 HP Pump - 6 m ³ /h	02514	1442,00	1		
• P512 Cartridge Filter + 3/4 HP Pump - 10 m ³ /h	02515	1485,00	1		
• P513 Cartridge Filter + 1 HP Pump - 15 m ³ /h	02516	1660,00	1		
Options					
• Additional Price for Rainbow Led	-	70,00	1		
• Remote Control for Pump + UW Light	-	76,00	1		
• 300W/12V UW Light	-	15,00	1		
• Chlorine Feeder	-	58,00	1		

PS. Filter media not included.



Hang-over Filtration Units

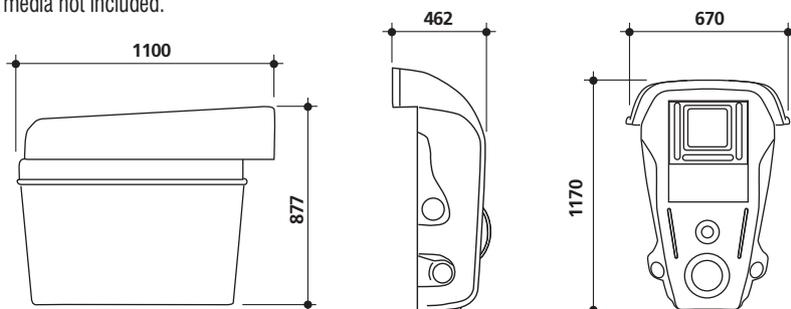
GEMAS "DECKON JET" HANG-OVER FILTRATION UNIT with COUNTER CURRENT.

Hang-over Unit: Body made of UV resistant ABS plastic; complete with 100 W/12 V underwater light, skimmer, suction inlet, 2+1 side and bottom oriented inlets, jet inlet, air regulator, counter current on/off pneumatic button, stainless steel handles. Separated assembly of hang-over unit and filter room is possible by using two different plastic covers (included).

Filtration Room: Base part made in FRP, upper frame + room cover made in UV resistant ABS plastic. Complete with circulation pump, 2 HP jet pump, cartridge or cartridge sand filter, electrical control board, pneumatic on/off switch and transformers.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Hang-over Unit	02511J	1214,00	1	20,000	0,420
Filtration Room w/Sand Filter					
• Ø 400 mm Sand Filter + 1/2 HP + 2 HP Jet Pump - 6 m ³ /h	02512J	2222,00	1	85,850	0,870
• Ø 500 mm Sand Filter + 3/4 HP + 2 HP Jet Pump - 10 m ³ /h	02513J	2281,00	1	89,650	0,870
PS. In case of any inquiry for Ø 615 or Ø 710 filter, this unit could be incorporated w/filtration room 02517.					
Filtration Room w/Cartridge Filter					
• P510 Cartridge Filter + 1/2 HP + 2 HP Jet Pump - 6 m ³ /h	02514J	2044,00	1		
• P512 Cartridge Filter + 3/4 HP + 2 HP Jet Pump - 10 m ³ /h	02515J	2090,00	1		
• P513 Cartridge Filter + 1 HP + 2 HP Jet Pump - 15 m ³ /h	02516J	2365,00	1		
Options					
• Additional Price for Rainbow Led	-	70,00	1		
• Remote Control for Pump + UW Light	-	76,00	1		
• 300W/12V UW Light	-	15,00	1		
• Chlorine Feeder	-	58,00	1		

PS. Filter media not included.



Hang-over Unit



02511J



02512J - 02513J - 02514J
02515J - 02516J



Handles



Jet inlet



Underwater on/off button



Air regulator

Filtration Rooms

GEMAS FILTRATION ROOM

CABIN I: Body made of FRP with double wing cover; one side fixable by means of stainless steel screw and other side is hinged for easy access. Complete with Ø 50 or Ø 63 mm double sided wall joints and water drainage. Lockable with hanging lock. Max. filter size: Ø 710 mm.

CABIN II: Body made of FRP, frame and top up made of ABS. Suitable up to Ø 500 mm size premium top mounted sand filter. Body to be mounted in the ground.

CABIN III: Body and lid made LDPE, It is produced with rotational moulding technique. Complete with double sided wall joints, water drainage and locking nuts. Max. filter size Ø 710 mm.



Cabin I



Cabin II

NEW !



Cabin III

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Cabin I	0251701	1062,00	1	65,000	1,950
• Cabin II	02510	540,00	1		
• Cabin III	0251702	750,00	1		



Cabin I: Double wing cover and Mechanical cover support



Cabin II: Single top lid and Mechanical support



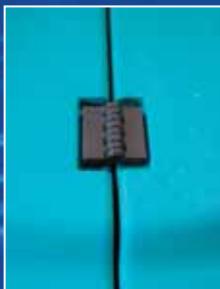
Cabin III: Single top lid and Mechanical support

GEMAS FILTRATION UNIT WITH ROOM

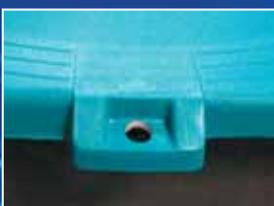
Gemas Filtration Room 0251702 installed with Filtrone Sand Filter, Mini Streamer Pump.

Options: Pool Basic Automatic pH and Redox Controller, Chlorine Feeder, HOZ-01 Ozone Generator, Remote Control for UW Light and Pump, Electrical Control Panel, Tranformer.

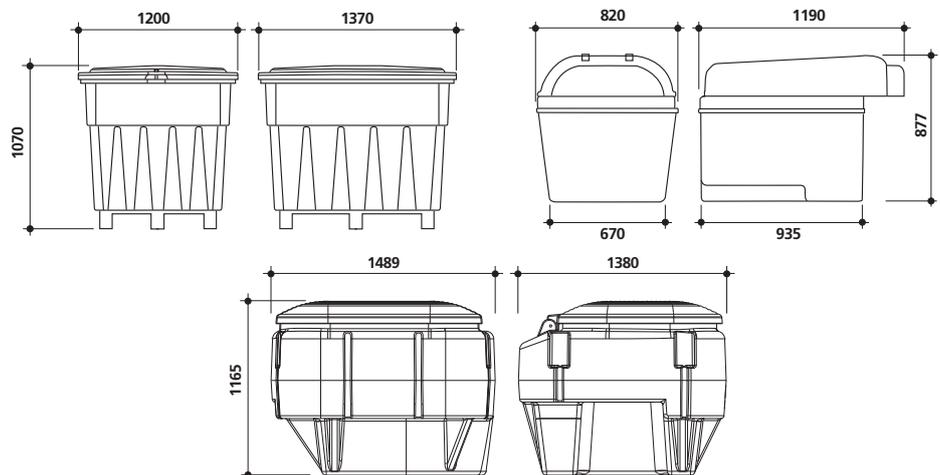
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 615 mm Sand Filter (021713)+ 3/4 HP Pump - 15 m ³ /h.	02517	1403,00	1	124,000	1,950
• Ø 710 mm Sand Filter (021814)+ 1,5 HP Pump - 20 m ³ /h.	02518	1622,00	1	140,000	1,950



Plastic Mousse



Lockable with hanging lock



GEMAS Multiport Valves - Manual

GEMAS VALVEX 03 - SIDE. Multiport valve, 1 1/2"

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2" Threaded connections	02400T	42,00	1	1,600	0,008
• Ø 50 mm Slip connections - metric	02400	40,00	1	1,600	0,008

GEMAS VALVEX 03 - TOP. Multiport valve - BSP threaded body, 1 1/2"

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2" Threaded connections	02403T	50,00	1	1,900	0,015
• Ø 50 mm Slip connections - metric	02403	47,00	1	1,900	0,015

GEMAS VALVEX 03 - TOP CLAMPED. Multiport valve, 1 1/2", clamp set not included.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2" Threaded connections	02404T	50,00	1	1,900	0,015
• Ø 50 mm Slip connections - metric	02404	47,00	1	1,900	0,015
• Clamp set.	024041	8,50			

GEMAS VALVEX 04 - SIDE. Multiport valve, 2"

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Multiport Valve, 2" Threaded connections	02213027T	68,00	1		
• Ø 63 mm Slip connections - metric	02213027	65,00	1	2,956	0,016

GEMAS VALVEX 05 - SIDE. Multiport valve, 2 1/2". 2" multiport valve outputs are with Ø 75 mm sockets outside.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 75 mm Slip connections - metric	02213028	72,00	1		

SIDE MULTIPORT VALVE,

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3"	022130002	695,00	1	8,000	0,050
• 4"	022380-E20	2975,00	1	18,000	0,120

PS: 4" Multiport valve is ordered upon request.



Automatic Multiway Valves



Automatic Multiway Valves; Automatic side mounted multiway valve with Pressure and Time Controller. Adjustable Backwash and Rinse periods.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2", Threaded con.	0221310	1375,00	1	4,000	0,033
• 2", Threaded con.	0221320	1495,00	1	5,000	0,033
• 3", Threaded con.	0221330	6660,00	1	Delivered Upon	
• 4", Threaded con.	0221340	7234,00	1	Request	

Filtration Media

Quartz Sand

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• (0,5 - 1,0 mm)	02311	0,32	1	25,000	0,040
• (1,0 - 3,0 mm)	02312	0,32	1	25,000	0,040
• (3,0 - 5,0 mm)	02313	0,32	1	25,000	0,040



Anthracite

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Price per liter	02321	3,10	1	25,000	0,040



Zeolite

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Price per kg.	02331	1,05	1	25,000	0,050



PS: Zeolite is used instead of Quartz or with Quartz. It is used to reduce Iron elements or stabilize the hardness in pool water. Should be backwashed and rinsed for 30 minutes before first operation.

Sand Discharge Tool

SANDVAC. Sand Evacuation Tool. Works with wet-dry vacuuming. Stainless Steel Body. Complete with hose. 220V / 50 Hz - Monophase.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	02601	1261,00	1		



Filtration Media - ECO GLASS

ECO-GLASS-FILTER-MEDIA (EGFM) is the environmentally friendly filter media and a viable alternative to silica sand; made from glass recycled in the UK, it doesn't involve intrusive mining and the use of scarce resources. EGFM has the green credentials, and with its superior performance is also cost effective against sand.

EGFM the Benefits Over Silica Sand

EGFM Is More Efficient:

Saving on backwashing decreases water, energy and chemical treatment costs.

- It's angular to sub-angular particle shape and bound silica content provides a 30% improvement in turbidity removal over silica sand.
- It generally removes finer particles from water than the equivalent grade of silica sand.
- It's non porous composition means its less likely to 'clump' than silica sand.
- With superior permeability, backwashing take less time, saving water/sewer charges, energy and chemical treatment costs.

EGFM Keeps Cleaner: It's less susceptible to bio-fouling as, unlike silica sand EGFM's particles have a smooth surface area, so bacteria can't get trapped in any cracks or flaws, which translates to less remedial action and again less chemical treatment to kill pollutants

EGFM Requires Less Material: It's less dense than sand, requiring 15% less media to fill the equivalent filter.

EGFM Longer Life: It therefore has a longer life span and may not need changing even when the filters are due for refurbishment.



Eco Glass Filter Media



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 0,6 mm - 1,00 mm grain thickness	023411	1,12	1		
● 1 mm - 3,00 mm grain thickness	023412	1,12	1		
● 3 mm - 5,00 mm grain thickness	023413	1,12	1		



0,6 mm-1,00 mm grain thickness



1 mm-3,00 mm grain thickness



3 mm-5,00 mm grain thickness

Density Comparison EGFM Against Sand

Dia of filter (mm)	Total Grade 1&3 Sand Required (kg)	Total Grade 1&3 EGFM Required (kg)
600	150	130
750	250	215
900	450	385
1000	700	595
1200	1300	1100
1400	1950	1660
1600	2750	2340
1800	3650	3105
2000	4750	4040
2200	5700	4845
2400	6600	5610
2500	7000	5950

As EGFM is lighter than sand, it takes approximately 15% less EGFM to fill the filter bed to the same depth as sand.

NEW !

PureFlow



The Advantages Clean and Easy

- PFM can be used with present sand and cartridge filters.
- No damage to piping system due to sand residuals
- No damage to mechanical seal and multiway valves due to sand residual.
- Easy to carry
- Easily discharge with domestic waste.
- %100 recyclable
- Has maximum suction capacity compared to sand an cartridge.

Filtration Specialities

- Perfect penetration and depth effect (suction to dirt particles)
- High selectivity up to 1 micron particles.
- Easy maintenance and backwash.
- Energy saving up to %40
- Long life and self condensed structure.
- Lab test proven %98 filtration productivity
- No need for Flocculant
- Low pressure loss
- Use with every kind of filters

Polymer Filtration Media - PFM

Syntetic Filtration Media made of polymer, can be used instead of quartz sand for commercial or domestic sand filters. Its being lightweight is a great advantage during the application. Backwash can be done as usual. But as pressure increase is low inside the polluted filter, backwash should be done with timing (The longest backwash period once in a week). It gives opportunity to get the required flow rate rate with a smaller pump, as pressure loss is low. **1 bag of PFM is 500 gr and it's equal to 25 kg sand. Can also be used inside cartridge filters. It filters 1 micron particules and yet not flocculant is required with PFM. (Pls. <http://gemas.com.tr/video.php>)**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PFM Bag Price	02351	70,00	1	0,500	

Commercial Advantages

- New and innovative products increase customers interests
- Carried easily from facility to warehouse
- No pollution at the drainage
- Customers can be easily convinced with its innovated structure
- Easily stored and no danger during the storage
- No risk of injury due to its lightweight



Frequently Asked Questions

- How much PFM required ?
You can use 1 bag of PFM (500 gr) instead of 25 kg sand.
- How long do I use PFM ?
Theoretically you can use PFM for 3 years like sand.
- When the PFM changing process, should sand be thrown away the sand filter system ?
It's not necessary. Due to PFMs supreme innovative structure, sand residual easily can be filtered.
- Does PFM float inside the filter ?
Due to Polyesters density rate more than waters, PFM does not float.
- Does PFM make backwash ?
Yes. Same as the sand
- Does PFM get into the suction pipe during the backwash process ?
Usually no. But it's suggested to keep diffuser inside the filter.
- Does PFM has an effects on automatic backwash process ?

During the usage of PFM, the pressure increase is maximum 0,02, the automatic backwash function will not process. Automation should be time controlled. If it can not be possible, It's required to do backwash manually once a week.

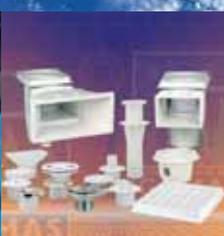
- What is PFMs density rate ?
Averagely 30 kg/m³
- Does the filter work aseptically with PFM ?
Yes. PFM can be heatable 65°C (149°F) inside the filter tank, so the filter works aseptically.
- How is PFM's discharge process ?
It's fast and easy same as domestic waste.
- Does PFM has a constant dimension and keep its shape ?
Yes. Because it provides low pressure filtration.
- What kind of micron rating does PFM have ?
PFM has lower micron rating than filter sand. It removes flocculant necessity. Sand filter, filters 20 micron Pureflow 1 micron.
- How long PFM's lifetime ?
Same as sand filter
- Can PFM be used with flocculant ?
You can use with flocculant but it's not necessary.
- Which size of filter can be used with PFM ?
It can be used with filter systems which use filter sand up to 1500 kg.
- How much stain can PFM absorb ?
Theoretically, 1 kg PFM absorb 60 kg stain. Averagely 1 bag of PFM includes 200 km polymer fiber.
- Does PFM can be used in hot tubs ?
PFM can be used also in cartridge filters. So it's suitable for hot tubs.

Turbidity Comparision Table After 5 minutes of 3 filtration Cycles

Initial Turbidity Value = 586 NTU

	1st Filtration	2nd Filtration	3rd Filtration
SAND	127	125	128
GLASS	147	108	101
PUREFLOW	88	61	49

POOLSIDE EQUIPMENT AND MATERIALS



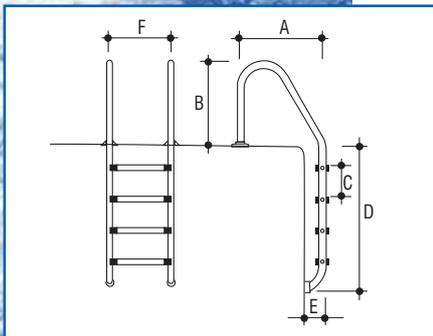
03 Poolside Equipment 63

04 In-Pool Materials 86

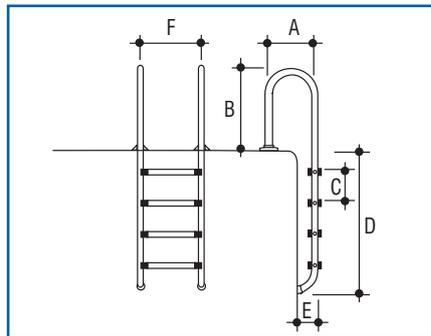


AISI 304

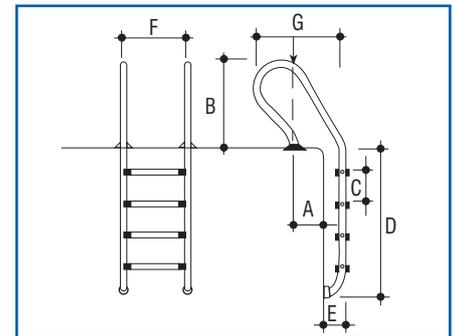
Pool Ladders



Number of Treads	A	B	C	D	E	F
2	700	650	250	650	180	500
3	700	650	250	900	180	500
4	700	650	250	1150	180	500
5	700	650	250	1400	180	500



Number of Treads	A	B	C	D	E	F
2	330	650	250	650	180	500
3	330	650	250	900	180	500
4	330	650	250	1150	180	500
5	330	650	250	1400	180	500



Number of Treads	A	B	C	D	E	F	G
2	140	650	250	650	180	500	560
3	140	650	250	900	180	500	560
4	140	650	250	1150	180	500	560
5	140	650	250	1400	180	500	560



STANDARD 304 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311111	134,00	1	10,200	0,122
• With 3 Stainless Steel Treads	0311112	150,00	1	11,900	0,122
• With 4 Stainless Steel Treads	0311113	167,00	1	13,300	0,122
• With 5 Stainless Steel Treads	0311114	193,00	1	14,800	0,139

U 304 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

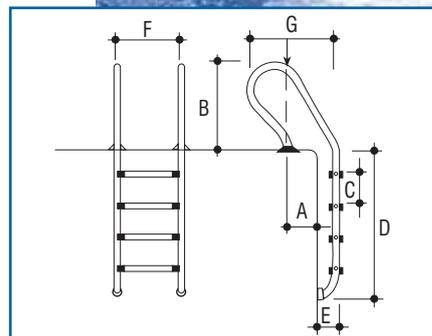
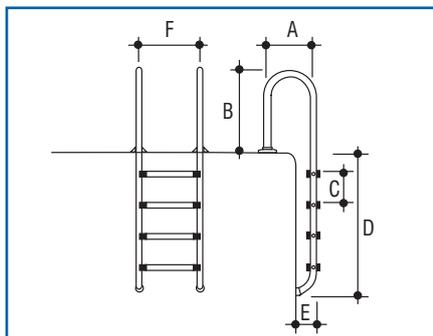
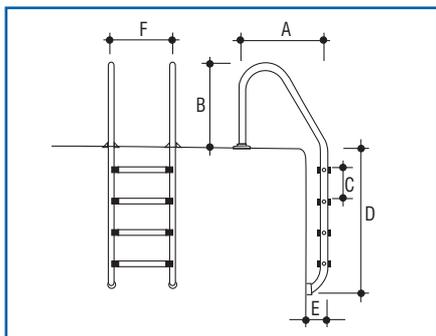
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311211	134,00	1	8,800	0,071
• With 3 Stainless Steel Treads	0311212	150,00	1	10,200	0,071
• With 4 Stainless Steel Treads	0311213	167,00	1	11,800	0,071
• With 5 Stainless Steel Treads	0311214	193,00	1	13,100	0,079

COMBINED 304 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311311	138,00	1	9,700	0,118
• With 3 Stainless Steel Treads	0311312	156,00	1	11,200	0,118
• With 4 Stainless Steel Treads	0311313	175,00	1	12,800	0,118
• With 5 Stainless Steel Treads	0311314	217,00	1	14,300	0,118

Pool Ladders

AISI 316



Number of Treads	A	B	C	D	E	F
2	700	650	250	650	180	500
3	700	650	250	900	180	500
4	700	650	250	1150	180	500
5	700	650	250	1400	180	500

Number of Treads	A	B	C	D	E	F
2	330	650	250	650	180	500
3	330	650	250	900	180	500
4	330	650	250	1150	180	500
5	330	650	250	1400	180	500

Number of Treads	A	B	C	D	E	F	G
2	140	650	250	650	180	500	560
3	140	650	250	900	180	500	560
4	140	650	250	1150	180	500	560
5	140	650	250	1400	180	500	560

STANDARD 316 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312111	186,00	1	10,600	0,122
• With 3 Stainless Steel Treads	0312112	206,00	1	12,300	0,122
• With 4 Stainless Steel Treads	0312113	227,00	1	13,700	0,122
• With 5 Stainless Steel Treads	0312114	263,00	1	15,200	0,139

U 316 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312221	186,00	1	9,200	0,071
• With 3 Stainless Steel Treads	0312222	206,00	1	10,600	0,071
• With 4 Stainless Steel Treads	0312223	227,00	1	12,200	0,071
• With 5 Stainless Steel Treads	0312224	263,00	1	13,500	0,079

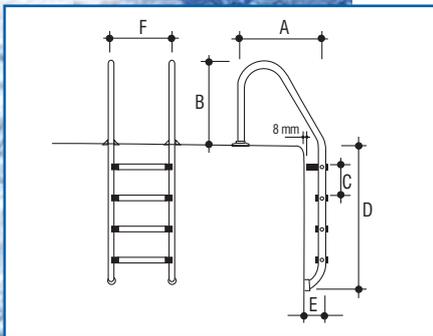
COMBINED 316 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312311	191,00	1	10,100	0,118
• With 3 Stainless Steel Treads	0312312	214,00	1	11,600	0,118
• With 4 Stainless Steel Treads	0312313	239,00	1	13,200	0,118
• With 5 Stainless Steel Treads	0312314	297,00	1	14,700	0,118

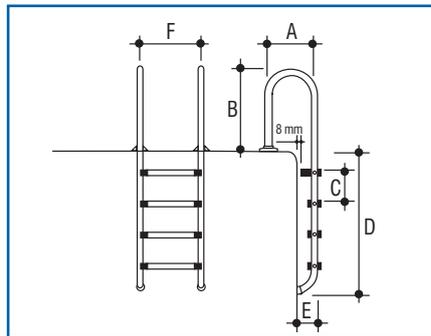


AISI 304

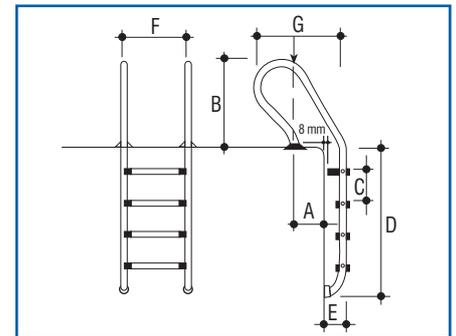
Pool Ladders



Number of Treads	A	B	C	D	E	F
2	700	650	250	650	180	500
3	700	650	250	900	180	500
4	700	650	250	1150	180	500
5	700	650	250	1400	180	500



Number of Treads	A	B	C	D	E	F
2	330	650	250	650	180	500
3	330	650	250	900	180	500
4	330	650	250	1150	180	500
5	330	650	250	1400	180	500



Number of Treads	A	B	C	D	E	F	G
2	140	650	250	650	180	500	560
3	140	650	250	900	180	500	560
4	140	650	250	1150	180	500	560
5	140	650	250	1400	180	500	560



STANDARD 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311111EU	146,00	1		
• With 3 Stainless Steel Treads	0311112EU	162,00	1		
• With 4 Stainless Steel Treads	0311113EU	178,00	1		
• With 5 Stainless Steel Treads	0311114EU	204,00	1		

U 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

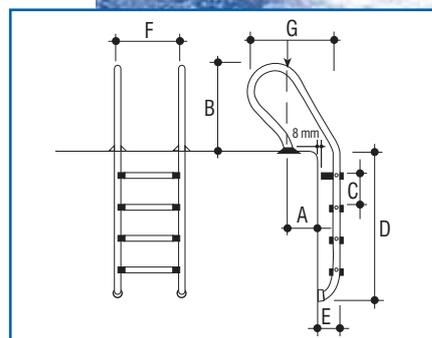
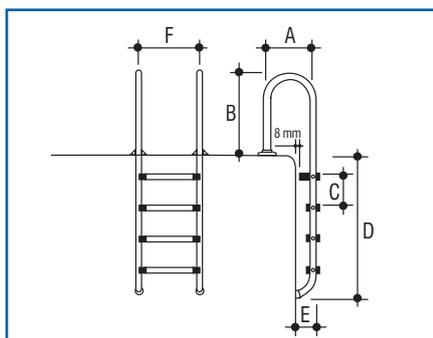
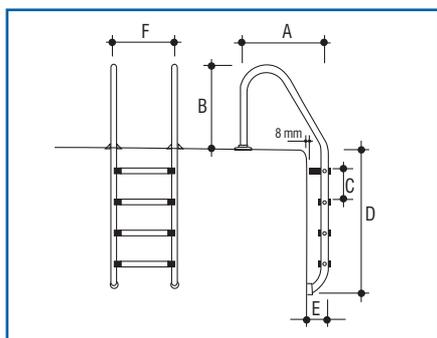
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311211EU	146,00	1		
• With 3 Stainless Steel Treads	0311212EU	162,00	1		
• With 4 Stainless Steel Treads	0311213EU	178,00	1		
• With 5 Stainless Steel Treads	0311214EU	204,00	1		

COMBINED 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311311EU	150,00	1		
• With 3 Stainless Steel Treads	0311312EU	169,00	1		
• With 4 Stainless Steel Treads	0311313EU	187,00	1		
• With 5 Stainless Steel Treads	0311314EU	230,00	1		

Pool Ladders

AISI 316



Number of Treads	A	B	C	D	E	F
2	700	650	250	650	180	500
3	700	650	250	900	180	500
4	700	650	250	1150	180	500
5	700	650	250	1400	180	500

Number of Treads	A	B	C	D	E	F
2	330	650	250	650	180	500
3	330	650	250	900	180	500
4	330	650	250	1150	180	500
5	330	650	250	1400	180	500

Number of Treads	A	B	C	D	E	F	G
2	140	650	250	650	180	500	560
3	140	650	250	900	180	500	560
4	140	650	250	1150	180	500	560
5	140	650	250	1400	180	500	560

STANDARD 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

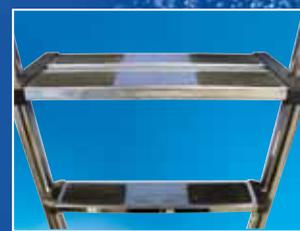
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312111EU	202,00	1		
• With 3 Stainless Steel Treads	0312112EU	224,00	1		
• With 4 Stainless Steel Treads	0312113EU	247,00	1		
• With 5 Stainless Steel Treads	0312114EU	283,00	1		

U 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312211EU	202,00	1		
• With 3 Stainless Steel Treads	0312212EU	224,00	1		
• With 4 Stainless Steel Treads	0312213EU	247,00	1		
• With 5 Stainless Steel Treads	0312214EU	283,00	1		

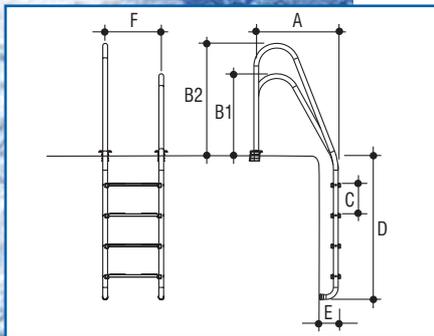
COMBINED 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312311EU	207,00	1		
• With 3 Stainless Steel Treads	0312312EU	233,00	1		
• With 4 Stainless Steel Treads	0312313EU	259,00	1		
• With 5 Stainless Steel Treads	0312314EU	318,00	1		

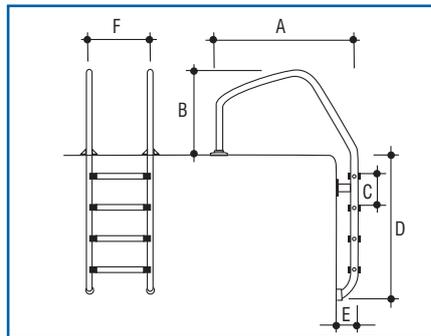


AISI 304

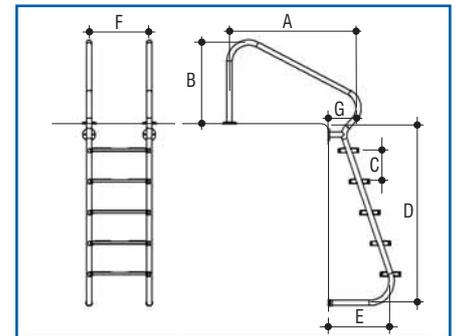
Pool Ladders



Number of Treads	A	B1	B2	C	D	E	F
2	700	650	920	250	650	180	500
3	700	650	920	250	900	180	500
4	700	650	920	250	1150	180	500
5	700	650	920	250	1400	180	500



Number of Treads	A	B	C	D	E	F
2	1020	720	250	650	180	500
3	1020	720	250	900	180	500
4	1020	720	250	1150	180	500
5	1020	720	250	1400	180	500



Number of Treads	A	B	C	D	E	F	G
2	1000	650	250	800	440	500	240
3	1000	650	250	1050	610	500	240
4	1000	650	250	1300	790	500	240
5	1000	650	250	1550	960	500	240



ASYMMETRIC 304 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311811	150,00	1		
• With 3 Stainless Steel Treads	0311812	171,00	1		
• With 4 Stainless Steel Treads	0311813	187,00	1		
• With 5 Stainless Steel Treads	0311814	230,00	1		



OVERFLOW 304 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311411	182,00	1	12,500	0,247
• With 3 Stainless Steel Treads	0311412	203,00	1	13,700	0,247
• With 4 Stainless Steel Treads	0311413	217,00	1	15,100	0,247
• With 5 Stainless Steel Treads	0311414	234,00	1	17,000	0,271

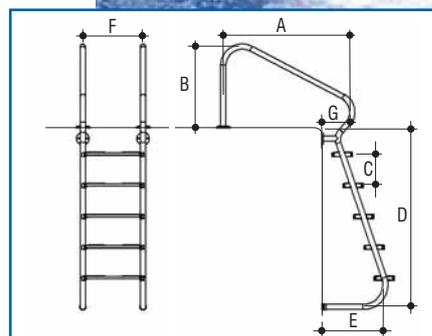
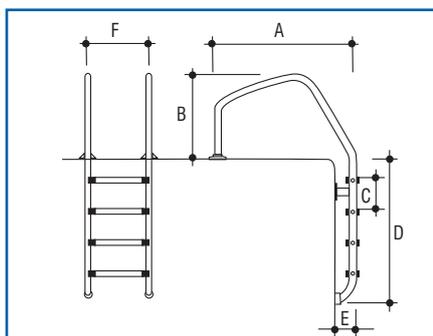
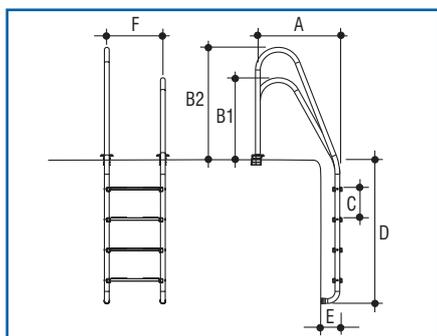


EASY ACCESS 304 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Manufactured with double safety tread in accordance to EN 13451-2/AC standart. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311511	301,00	1		
• With 3 Stainless Steel Treads	0311512	338,00	1		
• With 4 Stainless Steel Treads	0311513	375,00	1		
• With 5 Stainless Steel Treads	0311514	435,00	1		

Pool Ladders

AISI 316



Number of Treads	A	B1	B2	C	D	E	F
2	700	650	920	250	650	180	500
3	700	650	920	250	900	180	500
4	700	650	920	250	1150	180	500
5	700	650	920	250	1400	180	500

Number of Treads	A	B	C	D	E	F
2	1020	720	250	650	180	500
3	1020	720	250	900	180	500
4	1020	720	250	1150	180	500
5	1020	720	250	1400	180	500

Number of Treads	A	B	C	D	E	F	G
2	1000	650	250	800	440	500	240
3	1000	650	250	1050	610	500	240
4	1000	650	250	1300	790	500	240
5	1000	650	250	1550	960	500	240

ASYMMETRIC 316 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312811	211,00	1		
• With 3 Stainless Steel Treads	0312812	239,00	1		
• With 4 Stainless Steel Treads	0312813	261,00	1		
• With 5 Stainless Steel Treads	0312814	322,00	1		

OVERFLOW 316 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312411	254,00	1	12,900	0,247
• With 3 Stainless Steel Treads	0312412	285,00	1	14,100	0,247
• With 4 Stainless Steel Treads	0312413	304,00	1	15,500	0,247
• With 5 Stainless Steel Treads	0312414	327,00	1	17,400	0,271

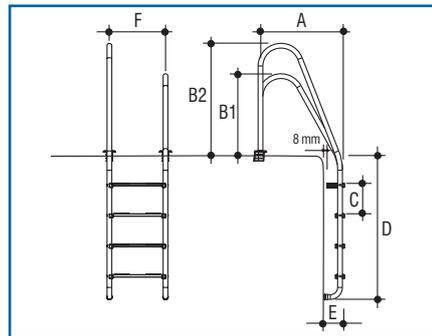
EASY ACCESS 316 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Manufactured with double safety tread in accordance to EN 13451-2/AC standart. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312511	421,00	1		
• With 3 Stainless Steel Treads	0312512	472,00	1		
• With 4 Stainless Steel Treads	0312513	525,00	1		
• With 5 Stainless Steel Treads	0312514	604,00	1		

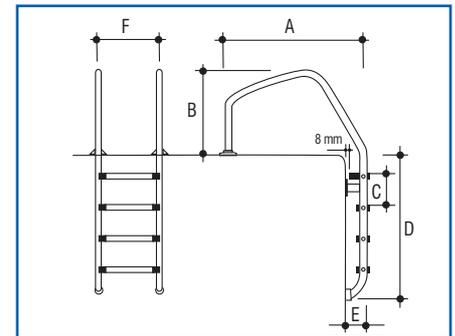


AISI 304

Pool Ladders



Number of Treads	A	B1	B2	C	D	E	F
2	700	650	920	250	650	180	500
3	700	650	920	250	900	180	500
4	700	650	920	250	1150	180	500
5	700	650	920	250	1400	180	500



Number of Treads	A	B	C	D	E	F
2	1020	720	250	650	180	500
3	1020	720	250	900	180	500
4	1020	720	250	1150	180	500
5	1020	720	250	1400	180	500



ASYMMETRIC 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of \varnothing 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

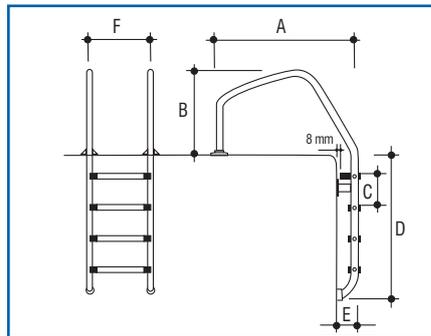
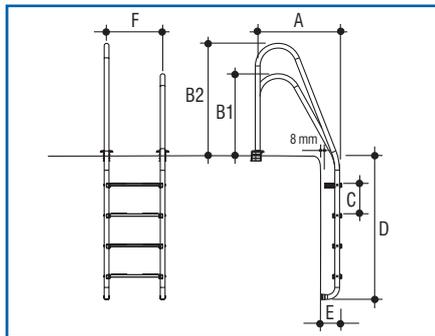
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311811EU	162,00	1		
• With 3 Stainless Steel Treads	0311812EU	184,00	1		
• With 4 Stainless Steel Treads	0311813EU	200,00	1		
• With 5 Stainless Steel Treads	0311814EU	247,00	1		

OVERFLOW 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of \varnothing 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311411EU	194,00	1		
• With 3 Stainless Steel Treads	0311412EU	218,00	1		
• With 4 Stainless Steel Treads	0311413EU	232,00	1		
• With 5 Stainless Steel Treads	0311414EU	251,00	1		

Pool Ladders

AISI 316



Number of Treads	A	B1	B2	C	D	E	F
2	700	650	920	250	650	180	500
3	700	650	920	250	900	180	500
4	700	650	920	250	1150	180	500
5	700	650	920	250	1400	180	500

Number of Treads	A	B	C	D	E	F
2	1020	720	250	650	180	500
3	1020	720	250	900	180	500
4	1020	720	250	1150	180	500
5	1020	720	250	1400	180	500

ASYMMETRIC 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312811EU	226,00	1		
• With 3 Stainless Steel Treads	0312812EU	257,00	1		
• With 4 Stainless Steel Treads	0312813EU	280,00	1		
• With 5 Stainless Steel Treads	0312814EU	345,00	1		

OVERFLOW 316 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

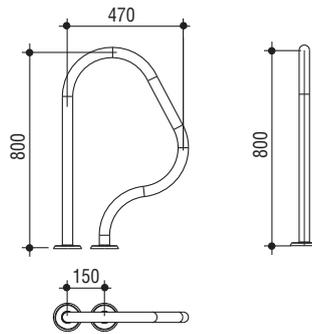
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312411EU	272,00	1		
• With 3 Stainless Steel Treads	0312412EU	305,00	1		
• With 4 Stainless Steel Treads	0312413EU	325,00	1		
• With 5 Stainless Steel Treads	0312414EU	351,00	1		



Grab Rails for Split Model Pool Ladders

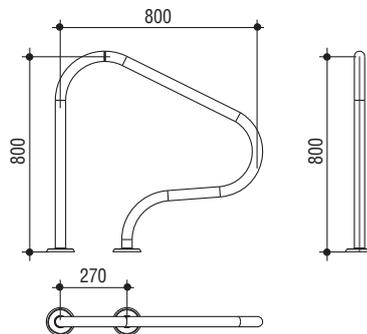
Steep Grab Rail: 470 x 800 mm. Made of Ø 42 mm AISI 304 stainless steel pipe. Complete with fixing plates, gaskets, bolts and bolt plugs.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Price per pair	03322	190,00	1		



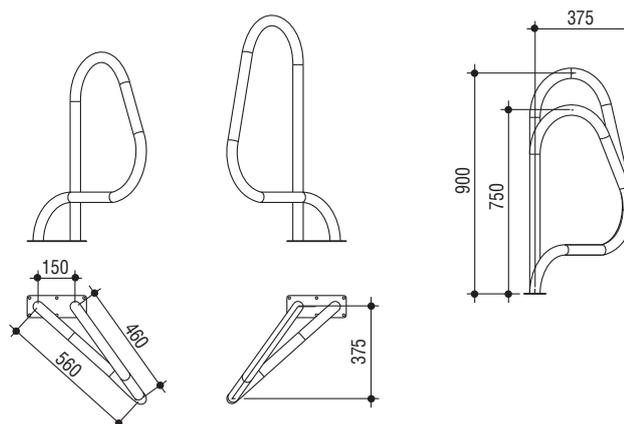
Deep Grab Rail: 800 x 800 mm. Made of Ø 42 mm AISI 304 stainless steel pipe. Complete with fixing plates, gaskets, bolts and bolt plugs.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Price per pair	03323	210,00	1		



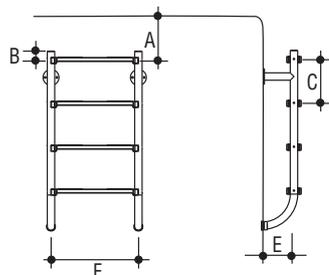
Cross Grab Rail: Ø 42 mm. Made of Ø 42 mm AISI 304 stainless steel pipe. Complete with monoblock rectangular fixing plate, gaskets, bolts and bolt plugs.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Price per pair	03324	240,00	1		



Pool Ladders

SPLIT 304 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.



Number of Treads	A	B	C	E	F
2	250	50	250	180	500
3	250	50	250	180	500
4	250	50	250	180	500
5	250	50	250	180	500



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311711	120,00	1		
• With 3 Stainless Steel Treads	0311712	125,00	1		
• With 4 Stainless Steel Treads	0311713	135,00	1		
• With 5 Stainless Steel Treads	0311714	159,00	1		

SPLIT 316 MODEL WITH STAINLESS STEEL TREADS. 500 mm width. Treads in AISI 316 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 316 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0312711	169,00	1		
• With 3 Stainless Steel Treads	0312712	174,00	1		
• With 4 Stainless Steel Treads	0312713	189,00	1		
• With 5 Stainless Steel Treads	0312714	222,00	1		



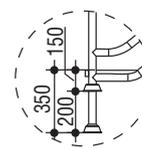
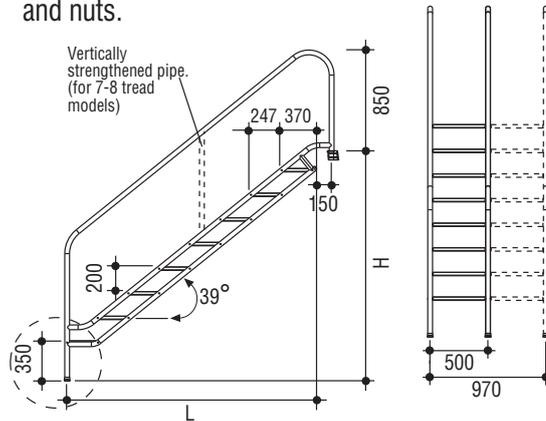
SPLIT 304 MODEL WITH STAINLESS STEEL TREADS - FOR PUBLIC POOLS. 500 mm width. Treads in AISI 304 quality stainless steel and anti-slip. Handrails made of Ø 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with plastic anchors, anchor escutcheons, end caps, bolts and nuts. Manufactured with double safety tread in accordance to EN 13451-2/AC standart.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With 2 Stainless Steel Treads	0311711EU	130,00	1		
• With 3 Stainless Steel Treads	0311712EU	135,00	1		
• With 4 Stainless Steel Treads	0311713EU	145,00	1		
• With 5 Stainless Steel Treads	0311714EU	171,00	1		



Pool Ladders for Disabled Persons

INCLINED 304 MODEL STAINLESS STEEL POOL LADDER - WIDTH=500 mm. For easy entry and exit in to and out from leisure or hydrotherapy pools for people not requiring an hydraulic lift chair. Handrails made of \varnothing 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with anti-slip polyester treads plastic anchors, anchor escutcheons, end caps, bolts and nuts.



Number of Treads	Height H	Length L
4	950 - 1150	1290
5	1175 - 1375	1550
6	1400 - 1600	1810
7	1825 - 1625	2070
8	1850 - 2050	2330



Description

Code

List Price
Euro

Pieces/
box

Weight
Kg

Volume
m³

- With 4 Stainless Steel Treads
- With 5 Stainless Steel Treads
- With 6 Stainless Steel Treads
- With 7 Stainless Steel Treads
- With 8 Stainless Steel Treads

0311611
0311612
0311613
0311614
0311615

880,00
1032,00
1185,00
1338,00
1491,00

1
1
1
1
1

INCLINED 304 MODEL STAINLESS STEEL POOL LADDER - WIDTH=970 mm. For easy entry and exit in to and out from leisure or hydrotherapy pools for people not requiring an hydraulic lift chair. Handrails made of \varnothing 42 mm pipe are in AISI 304 quality polished stainless steel. Complete with anti-slip polyester treads plastic anchors, anchor escutcheons, end caps, bolts and nuts.

Description

Code

List Price
Euro

Pieces/
box

Weight
Kg

Volume
m³

- With 4 Stainless Steel Treads
- With 5 Stainless Steel Treads
- With 6 Stainless Steel Treads
- With 7 Stainless Steel Treads
- With 8 Stainless Steel Treads

0311621
0311622
0311623
0311624
0311625

1231,00
1445,00
1660,00
1873,00
2087,00

1
1
1
1
1

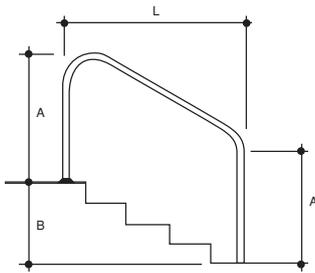


Handrails for Concrete Ladders

IN-POOL HANDRAIL. Made of AISI 304 quality polished stainless steel Ø 42 mm pipe. Complete with fixing plates and screws.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1220 mm handrail with fixing plates	03311	129,00	1	7,000	0,237
• 1524 mm handrail with fixing plates	03312	135,00	1	8,000	0,261

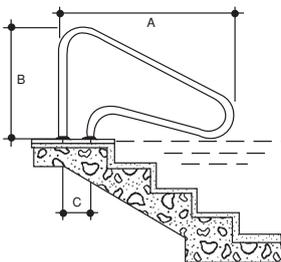
Complete with plastic anchors and screws



L	A	B
1220	800	680
1524	800	855

OUT-POOL HANDRAIL. Made of AISI 304 quality polished St. steel Ø 42 mm pipe. Complete with fixing plates and screws.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1250 mm handrail with fixing plates	03321	136,00	1	5,000	0,060



CODE	A	B	C
07781	1250	850	203

LATERAL GRAB RAIL WITH FIXING PLATES. Made of AISI 304 quality polished stainless steel Ø 42 mm pipe. Complete with fixing plates and screws.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 0.5 m lateral grab rail with fixing plates	03331	69,00	1	2,000	0,019
• 1.0 m lateral grab rail with fixing plates	03332	72,00	1	3,000	0,037
• 2.0 m lateral grab rail with fixing plates	03333	94,00	1	7,500	0,072
• 2.5 m lateral grab rail with fixing plates	03334	122,00	1	9,000	0,089

Stainless Steel Maintenance and Clearing Chemicals

Complete box set including cleaning sponge and plastic gloves. Can be used for any kind of stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Kit 1, Rust Remover+Protector	031001	40,00	1		
• Kit 2, Rust Remover+Protector+Polisher	031002	60,00	1		



Ladder Accessories

LADDER ANCHOR. Made of plastic for Ø 42 mm pipe, earth connection possible.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Plastic, for Ø 42 mm pipe	03201	7,25		0,142	
• AISI 304 quality St. Steel, for Ø 42 mm pipe, price per pair	03201S	46,00			

ANCHOR ESCUTCHEON



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Made of AISI 304 quality polished stainless steel	032021	3,60			
• Made of white ABS plastic	032022	1,60			

LADDER TREADS



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Made of AISI 304 St. steel with anti-slip pad for Ø 42 mm handrails, width 500 mm	032031	17,50	1		
• Ditto, Inclined	0320311	23,00	1		
• Made of AISI 304 St. steel with anti-slip pad for Ø 38 mm handrails, width 500 mm	032032	17,50	1		
• Ditto, Inclined	0320321	23,00	1		
• Double Tread.Made of AISI 304 St. steel with anti-slip pad for Ø 42 mm handrails, width 500 mm	032033	50,00	1		
• Ditto, Inclined	0320331	55,00	1		

ARTICULATED ANCHOR



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Made of AISI 304 quality St. steel for Ø 42 mm handrails. Price per piece	03210	45,00		0,602	

END CAP

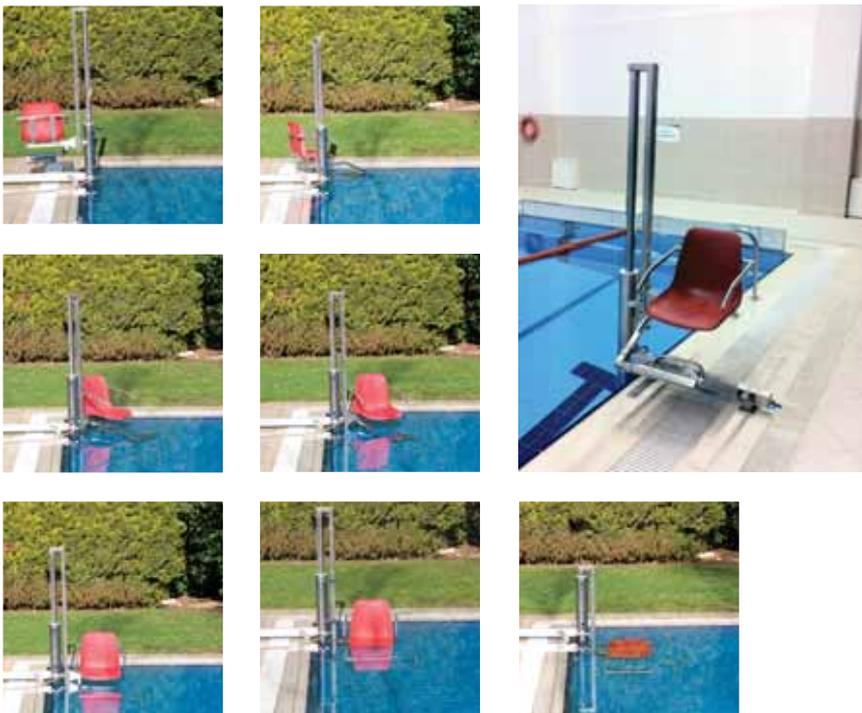
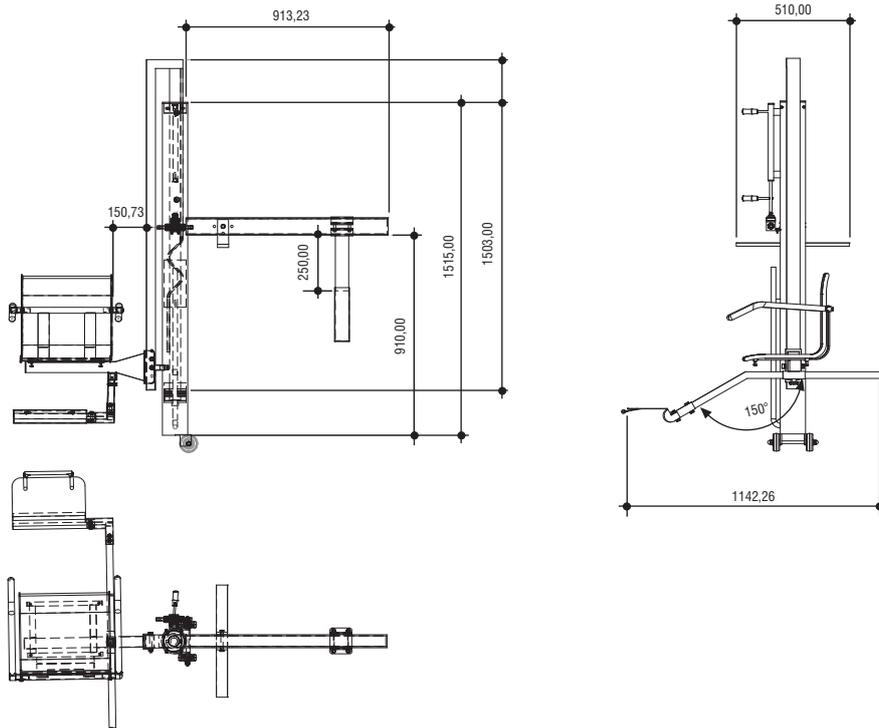


Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Flexible for Ø 42 mm pipe. Price per pair	03204	2,10		0,018	
• Swivel foot pad for Ø 42 mm pipe. Angle can be adjusted by rotating the eye ball socket. Price per pair	03205	48,00			

Pool Lift for Disabilities

Pool lift for disabilities: Hydraulic lift made of AISI 304 stainless steel. Garden irrigation hose has to be connected to hydraulic lift. Required minimum water pressure is 3,5 kg/cm². User friendly installation and can easily be adapted to existing pool.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Pool lift for disabilities	04101	5960,00	1		



Pool Showers

Shower Tunnels. For public pools, made of AISI 304 stainless steel. Complete with photocell and solenoid valve, associated with control column.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3 Shower 1 arched. Width: 1,2 m	03641	1510,00	1		
• 5 Shower 1 arched. Width: 1,2 m	03642	1600,00	1		
• 2 Arched. Every single Arch has 3 showers. Width:1,2 m, Lateral acrylic transparent panels, Maximum height: 2,5 m , Lenght: 2,1 m	03643	4411,00	1		

Stainless Steel Showers

• Single shower, box profile body.	03645	305,00	1		
• Single shower, Baston.	03647	250,00	1		
• 4 shower + 1 foot wash tap	03644	1500,00	1		

Solar Heater Shower

• Solar Heater Single Shower 25 l hot water capacity and adjustable hot-cold	03653	305,00	1		
• Ditto, Foot Wash Tap	03653A	331,00	1		
• Solar Heater Single Shower 30 l hot water capacity and adjustable hot-cold.	03654	321,00	1		
• Ditto, Foot Wash Tap	03654A	346,00	1		
• Solar Heater Single Shower 40 l hot water capacity and adjustable hot-cold Ditto, Foot Wash Tap	03655	450,00	1		

PS: Solar Heater Showers resist up to Max:2,5 bar pressure. During the high pressure processes there has to be pressure decrease on the water inlet of the shower.



NEW!



03645



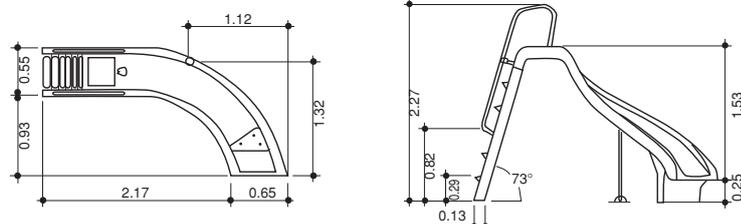
03644 - 03656



Pool Slides

SLIDES. Pool slide made of FRP. Complete with the hose system to connect to the pool supply line. Handles are AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Slide, curved to right	03521	1803,00	1	83,000	2,913
• Slide, curved to left	03520	1803,00	1	83,000	2,913



Slide, curved right

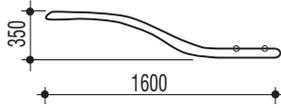


Diving Boards

S - DIVING BOARD

Made in laminated polyester and fiberglass.

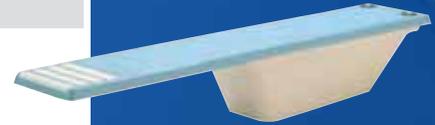
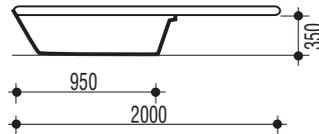
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Length: 1.60 m Height: 0.35 m	03410	521,00	1	23,000	0,107



CLASSIC 200 DIVING BOARD

Base and board made in laminated polyester and fiberglass.

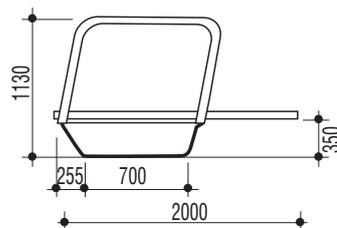
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Length: 2.00 m Height: 0.35 m Width : 0.40 m	03420	605,00	1	29,000	0,196



CLASSIC 200 HR DIVING BOARD

Base and board made in laminated polyester and fiberglass. Complete with stainless steel handrails.

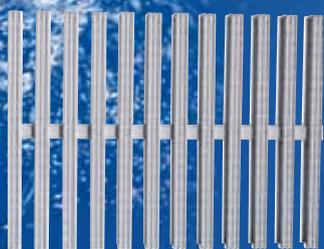
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Length: 2.00 m Height: 0.35 m Width : 0.40 m	03430	848,00	1	39,000	



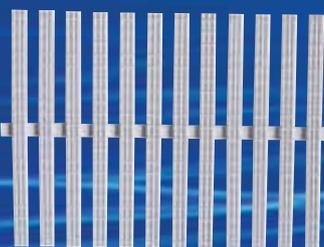
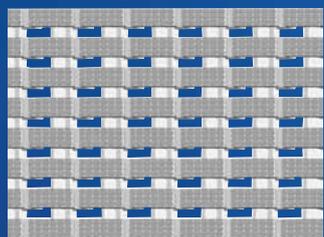
Overflow Grating



CLASSICAL DESIGN



CLASSICAL DESIGN



MODEL 2001 OVERFLOW GRATING - DOUBLE JOINT

Made of PP plastic; modular with two joints. "I" shaped profile. Height: 2,5 cm. Price per meter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Classical Design Width: 20 cm	0372221	8,50	10 m	13,000	0,062
• Classical Design Width: 25 cm	0372321	9,00	10 m	13,500	0,062
• Classical Design Width: 30 cm	0372421	16,50	10 m		

MODEL 2001 OVERFLOW GRATING - SINGLE JOINT

Made of PP plastic; modular with single joint. "I" shaped profile. Height: 2,5 cm. Price per meter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Classical Design Width: 15 cm	0372211	8,50	10 m	11,900	0,044
• Classical Design Width: 20 cm	0372212	8,50	10 m	11,500	0,062
• Classical Design Width: 25 cm	0372312	9,00	10 m	13,100	0,062
• Classical Design Width: 30 cm	037412	16,50	10 m		

"MODEL GEMAS-FUTURO" OVERFLOW GRATING

Modular, plastic product. Adaptable for each kind of pools. Reflexive or quadrangle. Height: 2,5 cm. Price per meter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Modular Plastic Width: 20 cm	037321K	8,50	10 m	12,600	0,062

"MONOBLOCK" Overflow Grating

Single Joint. six pieces, "T" shaped plastics, grating height: 2,2 cm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Width: 20 cm (price per meter)	037321	7,65	10 m	11,700	0,062
• Width: 25 cm (price per meter)	037331	8,60	10 m	18,320	0,061

"MODEL GEMAS SQUARE" OVERFLOW GRATING

Plastic modular, single joint, each tile 6 units with joint for bends. "I" shaped profile. Height: 2,5 cm. Price per meter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Single Joint Width: 20 cm	0372212K	8,50	10 m	13,000	0,062
• Single Joint Width: 25 cm	0372213K	9,00	10 m		

Overflow - For Strip Led Implementation

“Model GEMAS - Transparent Squared” Overflow Grating

Made of polycarbonate, modular with single joint. “I” shaped profile. Squared upper surface. Height: 2,5 cm. Designed for strip LED implementation inside the overflow grating channe (It’s recommended to use IP68 strip LED)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 20 cm Price per meter	0372212KT	26,00	10 m		
• 25 cm Price per meter	0372213KT	38,00	10 m		



Corner Tiles for Overflow Grating

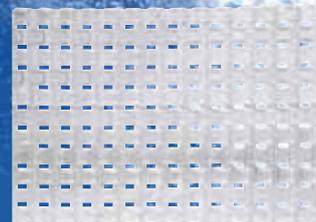
CORNER TILES 90° PLASTIC. Corner Tile made of PP plastic for an angle of 90 Degrees.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 25 cm	037431	11,00	20	9,960	0,048
• 20 cm	037421	9,30	25	8,800	0,038
• 25 cm - Transparent	037431T	32,00	20		
• 20 cm - Transparent	037421T	29,00	25		
• 15 cm	037411	8,75	20	4,438	0,019

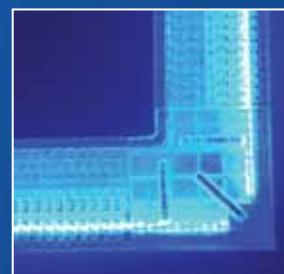
CORNER TILES 45° PLASTIC. Corner Tile made of PP plastic for an angle of 45 Degrees.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 25 cm	037432	11,00	20	6,950	0,042
• 20 cm	037422	9,30	20	4,470	0,028
• 25 cm - Transparent	037432T	32,00	20		
• 20 cm - Transparent	037422T	29,00	20		
• 15 cm	037412	8,75	10	1,636	0,008

NEW !



NEW !





Grating Support Profile

GRATING SUPPORT PROFILE. Grating support profile made in plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Grating Support Profile Length: 200 mm, Height: 26 mm, Width: 23 mm	03750	1,25	100 m (2 m x 50)	18,170	0,051

Stainless Steel Overflow Gratings

Stainless Steel Overflow Gratings

Made of AISI 304 quality stainless steel. Length: 0,50 m monoblock grating. Standart anti-slip pattern.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Width: 20 cm (price per meter) - 2 pcs.	0372221SS1	319,00			
• Width: 25 cm (price per meter) - 2 pcs.	0372321SS1	350,00			

Made of AISI 316 quality stainless steel. Length: 0,50 m monoblock grating. Standart anti-slip pattern.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Width: 20 cm (price per meter) - 2 pcs.	0372221SS2	319,00			
• Width: 25 cm (price per meter) - 2 pcs.	0372321SS2	350,00			

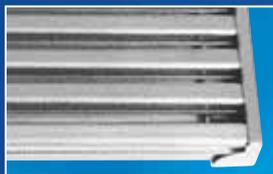
NOTE: Prices are for **Standart Pattern**. Prices of **Point and Leather Patterns** are %20 higher.



STANDART PATTERN



POINT PATTERN



LEATHER PATTERN

Stainless Steel Corner Tiles for Overflow Gratings

Corner Tiles, 90° - Stainless Steel

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 20 cm AISI 304 quality	037421SS1	199,00			
• 20 cm AISI 316 quality	037421SS2	259,00			



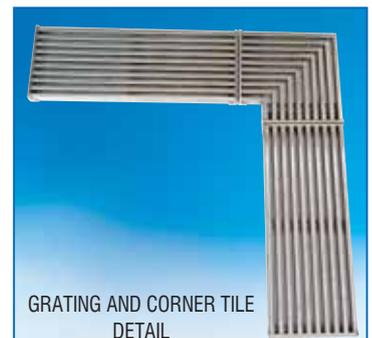
STANDART PATTERN GRATING



LEATHER PATTERN GRATING



POINT PATTERN GRATING



GRATING AND CORNER TILE DETAIL

Strainer for Overflow Gutter Drain

Made in stainless steel to be adapted to drain pipes in gutter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• for Ø 63 mm pipe	03801	23,00	1		
• for Ø 75 mm pipe	03802	24,00	1		
• for Ø 90 mm pipe	03803	28,00	1		
• for Ø 110 mm pipe	03804	29,00	1		
• Plastic - for Ø 110 mm pipe	03811	11,40	1		

OVERFLOW GUTTER DRAIN. Made of white ABS plastic. 2 1/2" male - threaded, Ø 63 mm inside. Stainless steel screws included.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04150	4,65	50	11,000	0,067



Foot Bath

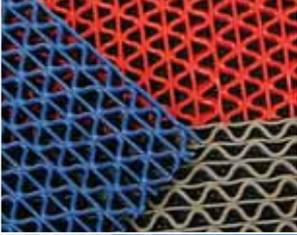
Foot washing bath, made of fiberglass reinforced polyester, for disinfections of feet before entering pool.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 52,50 x 37,50 x 8,75 cm	03900	62,00	1	1,270	0,021
• 85,00 x 65,00 x 9,00 cm	03902	193,00	1		
• 120,00 x 80,00 x 9,00 cm	03901	309,00	1		



Pool Side Anti Slip MAT

Plastic anti slip MAT for pool decks. Width: 0,9 m. 15 m rolled.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Red. Price per meter	03011	33,00	1 Roll		
• Blue. Price per meter	03012	33,00	1 Roll		
• Green. Price per meter	03013	33,00	1 Roll		



i.T.Ü. Olympic Pool / Istanbul



Hatch for Engine Room

Hatch for engine room: Made of FRP, plastic hinged lid complete with steel reinforcements and locking mechanism.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 50 x 50 cm	03911	180,00	1		
• 75 x 75 cm	03912	264,00	1		
• 100 x 100 cm	03913	380,00	1		



NEW !



LOCKING MECHANISM

Stainless Steel Machine Room Ladder

Wall Ladder. Made of Ø 25 mm AISI 304 stainless steel. Width:450 mm. Flange for wall mounting. Complete with threaded insert and stainless steel screw. Treads are coated with anti slip pad for safety.

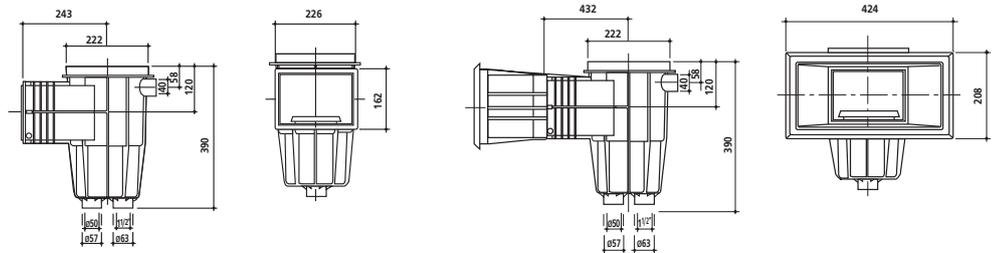
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Price Per Tread	03206	40,00	1	10,100	0,118

PS. The Vertical Handle Seen on Below illustration is Optional.



Skimmers for Concrete Pools

All skimmer models are made in ABS plastic and equipped with “suction regulator” and locking mechanism of baskets against back pressure. Skimming by “**buoy float**” or “**floating weir**”. Suction port: 1 1/2” female threaded (2” also possible upon request), Ø 63 mm external slip. Second port: Ø 50 mm female slip. Overflow drainage: Ø 40 mm female slip.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Standard					
• Standard Squared Lid Skimmer	04111	31,00	1	3,036	0,054
• Ditto, W/Floating Weir	04111FW	32,00	1	2,840	0,054

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Extended Throat (+10 cm)					
• Standard Extended	04111E	36,00	1	6,372	0,107
• Ditto, W/Floating Weir	04111EFW	37,00	1	5,942	0,107

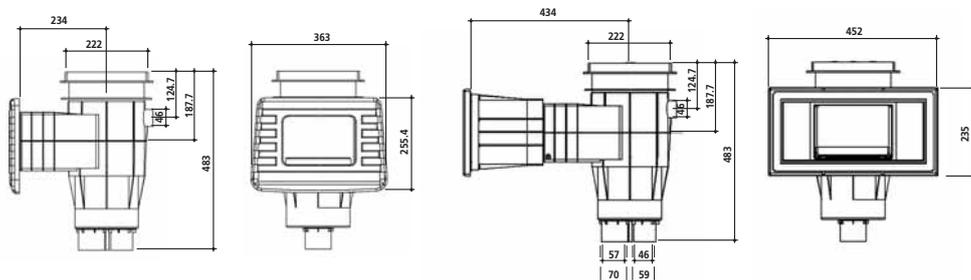
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Wide Mouth					
• Wide Mouth Squared Lid Skimmer	04112	43,00	2	8,000	0,137
• Ditto, W/Floating Weir	04112FW	44,00	2	7,524	0,135

Lux-Skimmers for Concrete Pools

All Lux-Skimmer models are made of ABS plastic and equipped with “suction regulator”. Skimming by “**buoy float**” or “**floating weir**”. Suction port: 2” female threaded. Second port: 1 1/2” female threaded supplied with blind cap. Overflow drainage: Ø 40 mm female slip.

Additional Features:

- Child-proof decklid features safety locking mechanism.
- Extension collar allows for correction with uneven deck finishes.
- Locking basket design prevents basket floating due to back pressure.
- Locking vacuum adapter prevents adapter plate floating during suction cleaning. (In 2009)
- Extended throat facilitates convenient installation in the pool wall. (Optional)
- Aesthetic face plate in the pool.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Lux Standard					
• Mouth Squared Lid Skimmer	04121	38,00	1	3,665	0,072
• Ditto, W/Floating Weir	04121FW	39,00	1	3,460	0,072

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Lux Extended Throat (+10 cm)					
• Lux Standard Extended	04121E	44,00	1	7,252	0,115
• Ditto, W/Floating Weir	04121EFW	45,00	1	6,798	0,115

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Lux Wide Mouth					
• Lux Wide Mouth Squared Lid Skimmer	04122	50,00	2	4,610	0,108
• Ditto, W/Floating Weir	04122FW	51,00	2	4,378	0,108



Locking detail basket



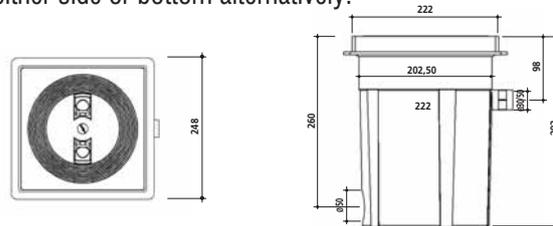
Child-proof deck lid



Skimmers - Level Regulator

Automatic Level Regulator

Body is made of ABS plastic. Complete with 3/8" plastic floating valve and Ø 50 mm PVC slip connection, either side or bottom alternatively.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04120	38,00	1	1,600	0,021
• Ditto, with locking decklid	04120L	39,00	1	3,665	0,072

Skimmers - Optional Parts

Skimmer Extension Collar . Made of ABS plastic for 4,5 cm vertical modular extension.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04111E01	6,15		0,188	

Face Plate for Concrete or Liner Standard Skimmer. Made of ABS plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	0412102	6,15		0,300	

Skimmer Horizontal Extension. Made of ABS plastic. Compatible with all GEMAS skimmer models. Each module extends 10,5 cm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04111E02	13,00	1		

Decklid with Safety Locking Mechanism. Made of ABS plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	0412101	6,15		0,232	

Buoy Float. Made of ABS plastic. Complete with the ring.

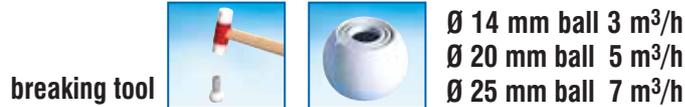
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04110BF	7,00	1	0,364	0,006

PS. Designed for using instead of skimmer floating weir. Does let trapped debris off when the pump stopped.



Return Inlets (Concrete Pools) - ABS

Wall Inlet for Concrete Pools. Injected of white ABS plastic with adjustable ball for alternative discharges.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male Threaded : \varnothing 50 mm internal slip connection.	04131T	3,00	10	1,000	0,006
• Unthreaded : 2" Slip to be glued inside \varnothing 63 mm (10 atm) pipe.	04131S	3,00	10	1,000	0,006
• Breaking Tool	04131T05	1,05			

Wall Inlet for Concrete Pools, according to EU 13451-1/4.8.3 Injected of white ABS plastic with protection and adjustable ball for alternative discharges.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male Threaded : \varnothing 50 mm internal slip connection.	04131TP	3,00	10	1,100	0,006
• Unthreaded : 2" Slip to be glued inside \varnothing 63 mm (10 atm) pipe.	04131SP	3,00	10	1,060	0,006

Suction Inlet for Concrete Pools.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male Threaded : \varnothing 50 mm internal slip connection.	04134T	2,70	10	0,900	0,006
• Unthreaded : 2" Slip to be glued inside \varnothing 63 mm (10atm) pipe.	04134S	2,70	10	0,900	0,006

Wall Conduit for Concrete Pools. Injected of white ABS plastic. Pipe connection side is \varnothing 63 mm externally and \varnothing 50 mm internally. Overall length is 30 cm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male Threaded : Pool side 2" Female threaded.	04160T	6,50	20	8,700	0,060
• Ditto, back outlet 2" Male threaded	04160T1	6,50	20	8,700	0,060
• Ditto, with Protection caps	04160TP	7,20	20	9,200	0,014
• Unthreaded : Pool side for slip connection. (i.e same size with internal dia of \varnothing 63 mm (10atm) PVC pipe.)	04160S	6,50	20	2,500	0,060



Detail



Return Inlets (Concrete Pools) - ABS

Floor Inlet - Adjustable for Concrete Pools. Injected of white ABS plastic, according to EU 13451-1/4.8.3. 2" male threaded, Ø 50 mm internal slip connection. Discharge can be regulated by means of an inner lid which can be screwed up and down.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Flat Lid - 2" Male Threaded : Ø 50 mm internal slip connection	04132TF	5,50	8	1,430	0,006
• Flat Lid - Unthreaded : Slip, to be glued inside Ø 63 mm (10 atm) pipe.	04132SF	5,50	8	1,400	0,006
• Conycal Lid - 2" Male Threaded : Ø 50 mm internal slip connection.	04132TC	5,50	8	1,300	0,006
• Conycal Lid - Unthreaded : Slip, to be glued inside Ø 63 mm (10 atm) pipe.	04132SC	5,50	8	1,600	0,006

Floor Inlet - Constant Discharge for Concrete Pools. Made of ABS plastic for constant discharge. Distributes water with an angle of 45°.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male Threaded : Ø 50 mm internal slip connection.	04133T	3,00	10	0,930	0,007
• Unthreaded : 2" Slip to be glued inside Ø 63 mm (10 atm) pipe.	04133S	3,00	10	0,912	0,007

Overflow Gutter Drain for Concrete Pools. Made of white ABS plastic. 2 1/2" male - threaded, Ø 63 mm inside. Stainless steel screws included.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04150	4,65	50	11,400	0,062

Balance Tank Basket. Made of white ABS plastic. Adjustable up to Ø 125 mm diameter PVC overflow pipes.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04151	35,00	1		

Junction Box

Junction Box. Made of white ABS plastic. Connections are for "05051" conduits.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	05040	9,00	8	2,610	0,016

Main Drains (Concrete Pools) - ABS

Circular Main Drain for Concrete Pools. Made of ABS plastic. Grille fixed w/stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2" Female Thread	04141T1	9,50	1	0,832	0,013
• 2" Female Thread	04141T2	9,50	1	0,800	0,013
• Ø 50 mm Slip Connection	04141S1	9,50	1	0,802	0,013
• Ø 63 mm Slip Connection	04141S2	9,50	1	0,776	0,013
• Ø 75 mm Slip Connection	04141S3	9,50	1	0,784	0,013

Squared Main Drain. Made of white ABS plastic. Grille fixed w/stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Female Thread	04142T1	17,00	1	1,360	0,013
• Ditto, but with extended thread of 5 cm length facilitating test plug	04142T1E	18,00	1	1,400	0,013
• 2 1/2" Female Thread	04142T2	17,00	1	1,590	0,013
• 3" Female Thread	04143T3	17,00	1	1,520	0,013
• Ø 63 mm Slip Connection	04142S1	17,00	1	1,352	0,013
• Ø 75 mm Slip Connection	04142S2	17,00	1	1,250	0,013
• Ø 90 mm Slip Connection	04142S3	17,00	1	1,346	0,013

Grilles for Main Drain (Concrete Pools) - ABS

Circular Grilles. Made of ABS Plastic Circular Grille Ø 186-242 mm : Complete with stainless steel screws necessary to fix the frame on concrete. Max. recommended drain pipe size: Ø 63 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Circular Grille	04143C	7,75	1	0,376	0,003

Squared Grilles for Main Drain for Concrete Pools. Made of ABS Plastic Squared Grille 26,5 x 26,5 cm : Complete with fixing screws. Max. recommended drain pipe size: Ø 90 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Squared Grille (26,5 x 26,5 cm)	04143R1	12,50	1	0,954	0,003

Squared Grilles for Main Drain for Concrete Pools. Fiberglass reinforced polyester frame with ext. dimensions of 60 x 60 cm complete with fixing screws. Max. recommended drain pipe size: Ø 225 mm.

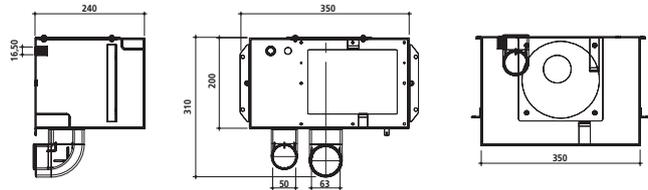
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Squared Grille (60 x 60 cm)	04143R2	115,00	1	4,200	0,015



St. Steel Skimmers for Concrete Pools



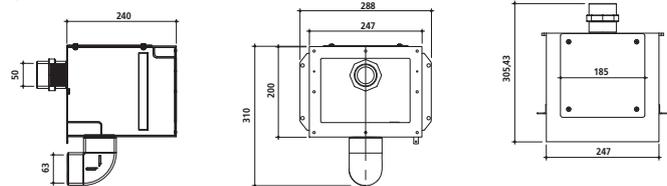
Stainless Steel Skimmer Body - Model 1. Made of AISI 304 quality stainless steel. Ø 50 mm overflow. Skimming width: 190 mm, installation depth: 240 mm. Suction: Ø 63 mm PVC. Floater installation option for water level regulation. Earth connection included. Complete with skimmer strainer basket 04111SS01 and level adjustable lid 04111SS02.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Model 1	04112SS	350,00	1	6,510	0,040
• Ditto, with Floater	04112SSF	360,00	1	6,710	0,040



Stainless Steel Skimmer Body for Concrete Pool - Model 2. Made of AISI 304 quality stainless steel. Ø 50 mm overflow. Skimming width: 190 mm, installation depth: 240 mm. Suction: Ø 63 mm PVC. Earth connection included. Complete with skimmer strainer basket 04111SS01 and level adjustable lid 04111SS02.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Model 2	04111SS	300,00	1	5,250	0,040



Stainless Steel Skimmer Strainer Basket for Concrete Pools. Made of AISI 304 quality stainless Steel Complete with face plate for direct removal through skimmer mouth. (Applicable to Model 1 and Model 2).

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04111SS01	175,00	1	2,190	0,020



Stainless Steel Level Adjustable Lid for Concrete Pools. Made of AISI 304 Stainless steel Dimensions:180 x 180 mm. Height level can be adjustable from 60 to 110 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04111SS02	65,00	1	1,630	0,010

Stainless Steel Skimmer Flange Set for Liner Pools. Made of AISI 304 Stainless steel. Complete with 2 gaskets and bolts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04211SS01	105,00	1	0,780	0,002

Wall Inlet (Concrete Pools) - Stainless Steel

Stainless Steel Wall Inlet for Concrete Pools. Body is injected of white ABS plastic dressed with AISI 304 quality stainless steel plate. The butterfly of nozzle is made of stainless steel and the sphere is of acrylic transparent plastic with adjustable ball for alternative discharges.

breaking tool



Ø 14 mm ball 3 m³/h
 Ø 20 mm ball 5 m³/h
 Ø 25 mm ball 7 m³/h

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 2" Male Threaded : Ø 50 mm internal slip connection	04131TSS	65,00	10	2,400	0,006

Stainless Steel Suction Inlet for Concrete Pools. Body is injected of white ABS plastic dressed with AISI 304 quality stainless steel plate. The blind cap is made of stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 2" Male Threaded : Ø 50 mm internal slip connection.	04134TS	87,00	10	3,572	0,007

Floor Inlet With Stainless Steel Lid - Flow Adjustable. Flat lid of AISI 304 quality stainless steel. Body in white ABS plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Flat Lid - 2" Male Threaded : Flat Lid AISI 304 Quality St.Steel	04132TFSS	45,50	8	2,200	0,006

Stainless Steel Floor Inlet - Constant Flow. Body in ABS plastic, front face is dressed with AISI 304 quality stainless steel sheet. The central part is solid AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 2" Male Threaded internal dia: Ø 50 mm	04133TSS	55,00		2,400	0,007



Main Drains (Concrete Pools) - St. Steel

Circular Main Drain with St. Steel Grille for Concrete Pools. Body made of ABS plastic. Stainless steel grille fixed w/st. steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2" Female Thread	04141T1SS	105,00	1	1,120	0,013
• 2" Female Thread	04141T2SS	105,00	1	0,830	0,013

Grilles for Main Drain (Concrete Pools) - St. Steel

St. Steel Circular Grilles for Main Drain for Concrete Pools. Frame and grille made of AISI 304 quality stainless steel complete with fixing screws. Circular Grille Ø 186-242 mm



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Circular Grille	04143SS	120,00	1	0,258	0,003

St. Steel Squared Grilles for Main Drain for Concrete Pools. Frame and grille made of AISI 304 quality stainless steel complete with fixing screws.

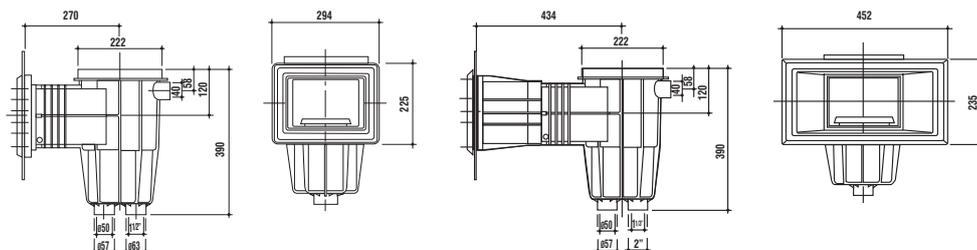


Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 200 x 200 mm (out)	04143RSS1	107,00	1	1,100	0,001
• 300 x 300 mm (out)	04143RSS2	126,00	1	2,000	0,002
• 400 x 400 mm (out)	04143RSS3	177,00	1	2,900	0,003
• 500 x 500 mm (out)	04143RSS4	221,00	1	3,850	0,005
• 600 x 600 mm (out)	04143RSS5	250,00	1	4,800	0,007



Skimmers for Liner Pools

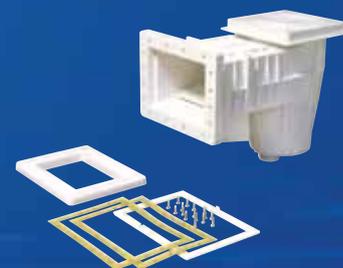
All skimmer models are made of ABS plastic and equipped with “discharge regulator” and locking mechanism basket against back pressure. Skimming by “**buoy float**” or “**floating weir**”. Suction port: 1 1/2” female threaded (2” also possible upon request), Ø 63 mm external slip. Discharge port: Ø 50 mm female slip. Overflow drainage: Ø 40 mm female slip. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Standard Throat					
• Standard Squared Lid Skimmer	04211	50,00	1	4,104	0,054
• Ditto, W/Brass Cavities	04211B	53,00	1	4,142	0,054
• Standard Squared Lid Skimmer W/Floating Weir	04211FW	51,00	1	3,820	0,054
• Ditto, W/Brass Cavities	04211BFW	55,00	1	3,986	0,054

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Extension Throat (+ 10 cm)					
• Standard Squared Lid Skimmer	04211E	54,00	1	8,504	0,107
• Ditto, W/Brass Cavities	04211EB	58,00	1	8,600	0,107
• Standard Squared Lid Skimmer W/Floating Weir	04211EFW	55,00	1	8,070	0,107
• Ditto, W/Brass Cavities	04211EBFW	58,00	1	8,160	0,107

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Wide Mouth					
• Wide Mouth Squared Lid Skimmer	04212	55,00	2	9,430	0,135
• Ditto, W/Brass Cavities	04212B	58,00	2	9,678	0,135
• Wide Mouth Squared Lid Skimmer W/Floating Weir	04212FW	56,00	2	9,012	0,135
• Ditto, W/Brass Cavities	04212BFW	61,00	2	9,112	0,135



Lux Skimmers for Liner Pools



Locking basket detail



Child-proof decklid



All Lux-Skimmer models are made of ABS plastic and equipped with “discharge regulator”. Skimming by “**buoy float**” or “**floating weir**”. Suction port: 2” female threaded. Discharge port: 1 1/2” female threaded, supplied with blind cap. Overflow drainage: Ø 40 mm female slip. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.

Additional Features:

- Child-proof decklid features safety locking mechanism.
- Extension collar allows for correction of uneven deck finishes.
- Locking basket design prevents basket floating due to back pressure. (In 2009)
- Extended throat facilitates convenient installation in the pool wall. (Optional)
- Aesthetic face plate in the pool.

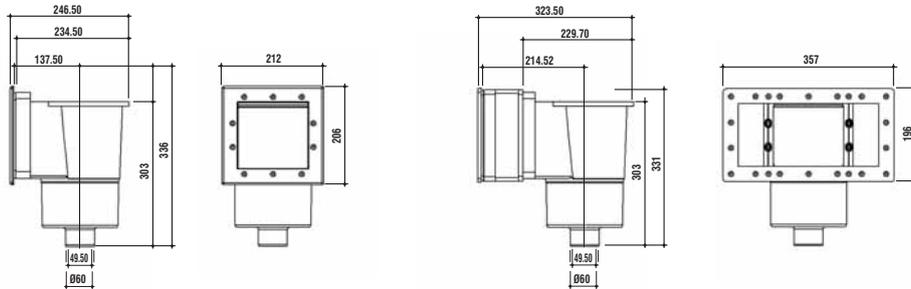
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Lux Standard Throat					
• Lux Standard Squared Lid Skimmer	04221	56,00	1	4,715	0,072
• Ditto, W/Brass Cavities	04221B	58,00	1	4,778	0,072
• Lux Standard Squared Lid Skimmer W/Floating Weir	04221FW	57,00	1	5,000	0,072
• Ditto, W/Brass Cavities	04221BFW	61,00	1	4,094	0,054

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Lux Extension Throat (+ 10 cm)					
• Lux Standard Squared Lid Skimmer	04221E	61,00	1	8,765	0,115
• Ditto, W/Brass Cavities	04221EB	64,00	1	8,872	0,115
• Lux Standard Squared Lid Skimmer W/Floating Weir	04221EFW	63,00	1	8,362	0,115
• Ditto, W/Brass Cavities	04221EBFW	66,00	1	8,520	0,115

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
Lux Wide Mouth					
• Lux Wide Mouth Squared Lid Skimmer	04222	58,00	2	5,296	0,108
• Ditto, W/Brass Cavities	04222B	62,00	2	5,362	0,108
• Lux Wide Mouth Squared Lid Skimmer W/Floating Weir	04222FW	63,00	2	5,155	0,108
• Ditto, W/Brass Cavities	04222BFW	64,00	2	5,263	0,108

Mini Skimmers for Liner Pools

All Skimmer models are made of ABS plastic. Suction port: Female threaded 1 1/2". Complete with vacuum adaptor, flange, gaskets and stainless steel screws.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Standard Mouth Square Lid Skimmer	04213	40,00	8	19,500	
● Wide Mouth Square Lid Skimmer	04214	57,00	8	27,500	

Sandwich Gaskets for Skimmers

Sandwich Gaskets for Skimmers. For Steel wall prefabricated pools

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● For Standart Skimmer	0421101S	9,55		0,100	
● For Wide Mouth Skimmer	0421201S	10,60		0,126	



Return Inlets (Liner Pools) - ABS

Wall Inlet for Liner Pools. Injected of white ABS plastic with adjustable ball for alternative discharges. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.



Detail



breaking tool



Ø 14 mm ball 3 m³/h
Ø 20 mm ball 5 m³/h
Ø 25 mm ball 7 m³/h

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male threaded : Ø 50 internal slip connection.	04231T	8,50	8	1,520	0,006
• Ditto, W/Brass Cavities	04231BT	11,40	8	1,682	0,006
• 2" Male threaded : Also 2" nut included	04231TN	10,50	8	1,800	0,006
• Ditto, W/Brass Cavities	04231BTN	14,20	8	1,934	0,006
• Breaking Tool	04131T05	1,05			

Wall Inlet for Liner Pools. According to EU 13451-1/4.8.3 Injected of white ABS plastic with protection and adjustable ball for alternative discharges. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.

breaking tool



Ø 14 mm ball 3 m³/h
Ø 20 mm ball 5 m³/h
Ø 25 mm ball 7 m³/h

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male threaded : Ø 50 internal slip connection.	04231TP	8,50	8	1,460	0,007
• Ditto, W/Brass Cavities	04231BTP	11,40	8	1,508	0,007
• 2" Male threaded : Also 2" nut included	04231TNP	10,50	8	1,750	0,007
• Ditto, W/Brass Cavities	04231BTNP	14,20	8	1,806	0,007

Wall Conduit-Inlet. Specially designed for concrete-shell liner pools. Injected of white ABS plastic with adjustable ball for alternative discharges. Complete with flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.

breaking tool



Ø 14 mm ball 3 m³/h
Ø 20 mm ball 5 m³/h
Ø 25 mm ball 7 m³/h

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male threaded : Ø 50 internal slip connection.	04231C	15,20	8	1,676	0,006
• Ditto, W/Brass Cavities	04231CB	17,50	8	1,718	0,006

Return Inlets (Liner Pools) - ABS

Wall Conduit-Inlet for Liner Pools. Especially designed for concrete-shell liner pools. Injected of white ABS plastic with adjustable ball for alternative discharges. Complete with flange, gaskets, stainless steel screws, front cover and back locking nut. Flange connections can be with brass cavities or plastic nests.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male threaded : Ø 50 internal slip connection.	04231CT	25,00	8		
• Ditto, W/Brass Cavities	04231CTB	28,00	8		

Suction Inlet for Liner Pools, injected of white ABS plastic. Complete with blind cap, flange, gaskets, stainless steel screws and front cover. Flange connections can be with brass cavities or plastic nests.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Male Threaded : Injected of white ABS plastic.	04234T	7,50	8	1,500	0,006
• Ditto, W/Brass Cavities	04234TB	10,50	8	1,600	0,006
• 2" Male Threaded : Injected of white ABS plastic. Also 2" nut included.	04234TN	9,80	8	1,520	0,006
• Ditto, W/Brass Cavities	04234TNB	12,50	8	1,732	0,006

Floor Inlet - Adjustable for Liner Pools. Injected of white ABS plastic. 2" Male threaded, Ø 50 mm internal slip connection. Discharge can be regulated by means of an inner lid which can be screwed up and down. Complete with flange, stainless steel screws and gaskets.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Flat Lid - 2 " Male Threaded	04232TF	15,20	4	1,270	0,007
• Ditto, W/Brass Cavities	04232TFB	18,00	4	1,270	0,007
• Conical Lid - 2" Male Threaded	04232TC	15,20	4	1,340	0,007
• Ditto, W/Brass Cavities	04232TCB	18,00	4	1,308	0,007

Nut for Wall Inlets, for FR-Polyester Pools. Made of white ABS Plastic with 2" internal thread. Complete with gasket.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Nut with gasket for wall inlets	04237	2,40	35	1,474	0,006



Main Drains for Liner Pools

Circular Main Drain. Made of white ABS plastic. Grille fixed with stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection. Complete with flange, stainless steel screws and gaskets. **Flange height:** 17,20 mm.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2" Female Thread	04241T1	16,00	1	1,740	0,013
• Ditto, W/Brass Cavities	04241T1B	16,00	1	1,130	0,013
• 2" Female Thread	04241T2	16,00	1	1,134	0,013
• Ditto, W/Brass Cavities	04241T2B	16,00	1	1,572	0,013

Circular Main Drain. Made of white ABS plastic. Grille fixed with stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection. Complete with flange, stainless steel screws and gaskets. **Flange height:** 6,35 mm.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2" Thread	04243T1	15,20	1	1,034	0,013
• Ditto, W/Brass Cavities	04243T1B	17,00	1	1,034	0,013
• 2" Thread	04243T2	15,20	1	1,072	0,013
• Ditto, W/Brass Cavities	04243T2B	17,00	1	1,072	0,013

Squared Main Drain. Made of white ABS plastic. Grille fixed with stainless steel screws, Ø 50 mm female slip blind connection at the bottom for hydrostatic valve connection. Complete with flange, stainless steel screws and gaskets.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2" Female Thread	04242T1	23,00	1	1,600	0,013
• Ditto, but with extended threaded of 5 cm length facilitating test plug	04242T1E	24,00	1	1,600	0,013
• Ditto, W/Brass Cavities	04242T1EB	28,00	1	1,600	0,013
• 2 1/2" Female Thread	04242T2	23,00	1	1,606	0,013
• Ditto, W/Brass Cavities	04242T2B	27,00	1	1,606	0,013
• 3" Female Thread	04242T3	23,00	1	1,606	0,013
• Ditto, W/Brass Cavities	04242T3B	27,00	1	1,606	0,013
• Ø 63 mm Slip Connection	04242A1	23,00	1	1,600	0,013
• Ditto, W/Brass Cavities	04242A1B	27,00	1	1,570	0,013
• Ø 75 mm Slip Connection	04242A2	23,00	1	1,570	0,013
• Ditto, W/Brass Cavities	04242A2B	27,00	1	1,570	0,013
• Ø 90 mm Slip Connection	04242A3	23,00	1	1,570	0,013
• Ditto, W/Brass Cavities	04242A3B	27,00	1	1,570	0,013

POOL FILTERS

GEMAS



05 Electrical Equipments *101*

06 Disinfection Systems *130*



Underwater Lights for Concrete Pools - ABS

“Standard 95” Underwater Lights. Frame made of ABS plastic, niche in white plastic. Complete with 300 W/12 V PAR 56 bulb and 2x4 cable of 2.5 m length or 20 W/12 V PAR 56 white SMD LED bulb and 2x2.5 m cable of 2.5 m length. Two alternative cable outlets on the niche; “SIDE or BOTTOM”.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete light	051111	42,00	1	2,160	0,016
• Ditto, without cable	051111C	36,00	1		
• Ditto, without niche and cable	051111NC	30,00	1		
• Complete light, with SMD LED	051111LS	94,00	1		
• Ditto, without cable, with SMD LED	051111LSC	88,00	1		
• Ditto, without niche and cable, with SMD LED	051111LSNC	82,00	1		
• Niche	05111110S	25,00	1		

“Standard 2002” Underwater Lights. Frame made of ABS plastic, niche in white plastic. Complete with 300 W/12 V PAR 56 bulb and 2x4 cable of 2,5 m length or 20 W/12 V PAR56 white SMD LED and 2x2.5 cable of 2,5 m length. Alternative “SIDE” or “BOTTOM” cable outlet on the niche.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete Light	051114	53,00	1	2,410	0,016
• Ditto, without cable	051114C	47,00	1		
• Ditto without cable and niche	051114NC	41,00	1		
• Complete Light with locking	051115	69,00	1	2,508	0,016
• Complete Light, with SMD LED	051114LS	102,00	1		
• Ditto, without cable	051114LSPC	96,00	1		
• Ditto, without cable and niche	051114LSNC	89,00	1		
• Complete Light, with locking, with SMD LED	051115LS	118,00	1		
• Niche	05111410S	28,00	1		
• Modular niche extension	0511411	17,00	1		



0511411

“Standard 2004” Underwater Lights. Frame made of ABS plastic, niche in white plastic. Complete with 300 W/12 V PAR 56 bulb and 2x4 cable of 2,5 m length or 20 W/12 V PAR56 white SMD LED and 2x2.5 cable of 2,5 m length. Alternative “SIDE” or “BOTTOM” cable outlet on the niche.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete Light	051118	53,00	1	2,600	0,015
• Ditto, without cable	051118C	47,00	1		
• Ditto, without niche and cable	051118NC	42,00	1		
• Complete Light, with locking	051119	69,00	1	2,600	0,015
• Complete Light, with SMD LED	051118LS	102,00	1		
• Ditto, without cable	051118LSPC	96,00	1		
• Ditto, without niche and cable	051118LSNC	89,00	1		
• Complete Light, with locking, with SMD LED	051119LS	118,00	1		
• Niche	05111810S	28,00	1		

Underwater Lights for Concrete Pools - ABS

“Standard 2006” Underwater Lights. Frame made of ABS plastic, niche in white plastic. Complete with 300 W/12 V PAR 56 bulb and 2x4 cable of 2.5 m length. Alternative "SIDE" or "BOTTOM" cable outlet on the niche. Frame is fixed in the niche by means of two front screws.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete Light	051112	52,00	1	2,800	0,016
• Complete Light, with white SMD LED	051112LS	100,00	1		

“Mini 2008” Underwater Lights. For concrete pools. Frame and niche made of ABS plastic. Complete with halogen or power led bulb, 2 m cable and special tightening tool. Led bulbs is %100 sealed from water with transparent epoxy.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 50 W / 12 V	05112	46,00	1		
• 71 W / 12 V	051121	65,00	1		
• 4,2 W / 12 V with white power 3 LED	05112LP	64,00	1		
• Niche	0511212S	29,00	1		

“Mini 2001” Underwater Lights. Heat resistant plastic body, bottom outlet. Complete with 2 m. cable. 50 W/12 V bulb or 4,2 W power LED. Led bulbs is %100 sealed from water with transparent epoxy.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Slip type body with plastic frame	05112S	33,00	4	2,000	0,007
• Ditto, with white power 3 LED	05112SLP	54,00	4		
• 2” threaded with plastic frame	05112T	33,00	4	2,100	0,007
• Ditto, with white power 3 LED	05112TLP	54,00	4		

Housing for Mini 2001 for Concrete Pools. Complete with the special "no-leak" cable outlet

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	04160A	23,00	20	10,420	0,060

“No-leak” adaptor for cables. Can be adhered to the back of the GEMAS Housing for Concrete Pools, or at the mouth of Ø 63 mm 10 atm PVC pipes. With cable gland seal.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	0511200101S	17,00	1		



**3 YEARS WARRANTY
WITH NO CONDITION!**



Underwater Lights for Concrete Pools - ABS

“Flat Halogen I” Underwater Light Without Niche. Made of white ABS plastic. Light screen in transparent polycarbonate. Supplied with 100W/12V bulb and 2.5 m cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete light	051116	34,00	1	1,200	0,005
• Complete with 051116, no-leak cable outlet for concrete and stainless steel screws	051117	46,00	1	1,882	0,016

“LED - Flat Halogen I” Underwater Light Without Niche. Made of white ABS plastic. Light screen in transparent polycarbonate. Supplied with below-mentioned LEDs and cable of 2,5 m.

NOTICE!: Light and PCB is sealed against water leakage. In order to prevent defects due to short circuit, the supplied cable (or an equivalent seamless cable) must be used without any underwater joints. If cable joint must be done under water, it has to be done with proper special underwater joint (see pg 112) Otherwise the transformer could be damaged.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow SMD LED Bulb 20W/12V RGB, with Built-In PCB System 13 different light model 50.000hr long life	051116LS	124,00	1	1,200	0,005
• Ditto, with Central PCB System	051116L216	110,00	1	1,200	0,005
• SMD LED White 20 W / 12 V	051116LPW	94,00	1		
• SMD LED Daylight 20 W / 12 V	051116LPD	94,00	1		
• SMD LED Turquoise 20 W / 12 V	051116LPT	94,00	1		
• SMD LED Blue 20 W / 12 V	051116LPB	94,00	1		
• SMD LED Red 20 W / 12 V	051116LPR	94,00	1		
• SMD LED Green 20 W / 12 V	051116LPG	94,00	1		

Note: For multiple applications of more than 10 lights, or upon request, special applications can be made with a central control panel and special light animations! Please ask for the price!

Underwater Lights for Concrete Pools - S.S.

“Standard 95” U/W Lights with St. Steel Frame. Frame made of white ABS, dressed with AISI 304 Quality Stainless Steel, niche in white PP plastic. Complete with 300 W/12 V PAR 56 bulb and 2x4 cable of 2,5 m length or 18 W/12 V PAR56 white power LED and 2x2,5 cable of 2,5m length. Alternative "SIDE" or "BOTTOM" cable outlet on the niche.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete Light	051113	96,00	1	2,646	0,016
• Complete Light, with power 18 LED	051113LP	142,00	1		

Underwater Lights for Concrete Pools - S.S.

“Standard 2002” U/W Lights with St. Steel Frame. Frame made AISI 304 stainless steel 1mm thick sheet, niche in white PP plastic. Complete with 300 W/12 V PAR 56 bulb and 2x4 cable of 2,5 m length or 20 W/12 V PAR56 white power LED and 2x2,5 cable of 2,5m length. Alternative "SIDE" or "BOTTOM" cable outlet on the niche. Stainless steel frame can be used to transform existing lights.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete Light	051116SS	104,00	1	2,790	0,016
• Complete Light, with power 18 LED	051116SSLP	144,00	1		

Stainless Steel Frame For Underwater Lights. Made of AISI 304 quality stainless steel. Can easily be adapted to existing ABS frames.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For “Flat” Light	05111608	40,00	1		
• For “Standart 2002” Light	05111408	40,00	1		
• For “Mini 2008” Light	0511212508	35,00	1		

“Mini 2001” Underwater Lights. Heat resistant plastic body, bottom outlet. Complete with 2 m. cable. 50 W/12 V bulb or 4,2 W power LED.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Slip type body with st. steel frame	05112SC	92,00	4	2,300	0,007
• Ditto, with white power 3 LED	05112SCLP	109,00	4		
• 2” threaded with st. steel frame	05112TC	92,00	4	2,400	0,007
• Ditto, with white power 3 LED	05112TCLP	109,00	4		

“Inox Micro” Underwater Lights. AISI 304 quality stainless steel body. 1 W. Can be installed inside the body diameter Ø50 pipe. Supplied with 0,5 m cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	05113	73,00	1		



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Underwater Lights for Liner Pools

“Standard 95” Underwater Light for Liner Pools. Frame made of white ABS, niche in white PP plastic. Complete with 300 W / 12 V PAR 56 bulb 2 x 4 cable of 2,5 m length, or with 20 W/12 V PAR56 white SMD LED and 2x2,5 cable of 2,5 m length. Includes flange gaskets and st. steel screws. Two alternative cable outlets on the niche; "SIDE or BOTTOM".

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete Light with brass insert	052111B	73,00	1	2,160	0,016
• Ditto, without cable	052111BC	67,00	1		
• Ditto, without niche and cable	052111BNC	61,00	1		
• Complete Light, with SMD LED	052111BLS	119,00	1		
• Ditto, without cable, with SMD LED	052111BLSC	113,00	1		
• Ditto, without niche and cable with SMD LED	052111BLSNC	107,00	1		
• Niche, with flange and screw	05211101BS	59,00	1		

“Standard 2002” Underwater Light for Liner Pools. Frame made of white ABS, niche in white PP plastic. Complete with 300 W / 12 V PAR 56 bulb 2 x 4 cable of 2,5 m length, or with 20 W/12 V PAR56 white SMD LED and 2x2,5 cable of 2,5 m length. Includes flange gaskets and st. steel screws. Two alternative cable outlets on the niche; "SIDE or BOTTOM".

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete Light with brass insert	052114B	77,00	1	2,410	0,016
• Ditto, without cable	052114BC	71,00	1		
• Ditto, without niche and cable	052114BNC	65,00	1		
• Complete light with locking	052115B	95,00	1	2,508	0,016
• Complete light with SMD LED	052114BLS	121,00	1		
• Ditto, without cable	052114BLSC	115,00	1		
• Ditto, without niche and cable	052114BLSNC	109,00	1		
• Complete light with locking, with SMD LED	052115BLS	139,00	1		
• Niche with flange and screw	05211410B	61,00	1		

“Standard 2004” Underwater Light for Liner Pools. Frame made of white ABS, niche in white PP plastic. Complete with 300 W / 12 V PAR 56 bulb 2 x 4 cable of 2,5 m length, or with 20 W/12 V PAR56 white SMD LED and 2x2,5 cable of 2,5 m length. Includes flange gaskets and st. steel screws. Two alternative cable outlets on the niche; "SIDE or BOTTOM".

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Complete light with brass insert	052118B	77,00	1	2,600	0,015
• Ditto, without cable	052118BC	71,00	1		
• Ditto, without niche and cable	052118BNC	65,00	1		
• Complete light with locking	052119B	95,00	1	2,600	0,015
• Complete light with SMD LED	052118BLS	121,00	1		
• Ditto, without cable	052118BLSC	115,00	1		
• Ditto, without niche and cable	052118BLSNC	109,00	1		
• Complete light with locking, with SMD	052119BLS	139,00	1		
• Niche with flange and screw	05211410B	61,00	1		

Underwater Lights for Liner Pools

“Standard 2006” Underwater Lights. Frame and niche made of ABS plastic. Complete with 300 W/12 V PAR 56 bulb and special rubber 2x6 cable of 2,5 m length. Alternative "SIDE" or "BOTTOM" cable outlet on the niche. Frame is fixed in the niche by means of two front screws. **Designed specifically for panel type liner pools.** Includes flange, screws and gaskets.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Complete Light	052112	83,00	1	2,800	0,016
● Complete Light, with SMD LED	052112LS	127,00	1		

“Flat Halogen” Underwater Light without niche. Complete with no-leak, threaded outlet and 2" threaded tightening nut.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Complete Light	052116	44,00	1	1,468	0,016
● Ditto with slip body, outlet, And counter screwing part	052117	46,00	1	1,486	0,016

“Mini 2008” Underwater Light for Concrete Pools. For liner pools. Frame, niche and flange made of ABS plastic. Complete with halogen bulb or power LED, 2 m. cable and special locking tool. Led bulbs is %100 sealed from water with transparent epoxy.

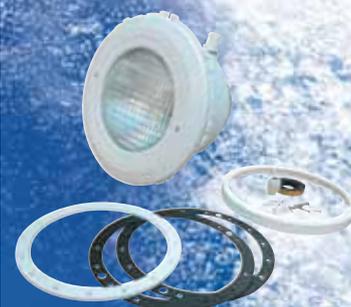
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 50 W / 12 V	05212B	59,00	1		
● 71 W / 12 V	052121B	59,00	1		
● 4,2 W / 12 V White Power 3 LED	05212BLP	77,00	1		
● Niche	0521212S	34,00	1		

“Mini 2001” Underwater Light. Heat resistant plastic body, bottom cable outlet, 2 m silicon cable. 50 W/12 V. Led bulbs is %100 sealed from water with transparent epoxy.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Slip body, plastic frame	05112S	33,00	4	2,000	0,007
● Ditto, white power LED	05112SLP	54,00	4		
● 2" threaded body, plastic frame	05112T	33,00	4	2,100	0,007
● Ditto, white power LED	05112TLP	54,00	4		

Housing for Mini 2001 for Liner Pools. For fixing the light to the pool wall. Complete with the "no-leak" cable adaptor, flange, screws and gaskets.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Housing	04260A	32,00	20	11,800	0,060
● Ditto, brass cavities	04260AB	36,00	20	11,800	0,060



Technical Table For Par 56 LED Bulbs - Single Color

Code	Description	LED Type	# of LED	Voltage (V)	AC V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle	Safe	Price (A)
0531101	Single color PAR 56 SMD with 63 LED - White	SMD	63	12 V	20 W	2490	140°	Polycarbonate	54,00
0531102	Single color PAR 56 SMD with 63 LED - Daylight	SMD	63	12 V	20 W	3150	140°	Polycarbonate	54,00
0531103	Single color PAR 56 SMD with 63 LED - Turquoise	SMD	63	12 V	20 W	1680	140°	Polycarbonate	54,00
0531104	Single color PAR 56 SMD with 63 LED - Blue	SMD	63	12 V	15 W	630	140°	Polycarbonate	54,00
0531105	Single color PAR 56 SMD with 63 LED - Red	SMD	54	12 V	15 W	972	140°	Polycarbonate	54,00
0531106	Single color PAR 56 SMD with 63 LED - Green	SMD	63	12 V	20 W	2205	140°	Polycarbonate	54,00
0532911	Single color PAR 56 with 6 Power LED - White	POWER	6	12 V	8 W	4671	30°	Polycarbonate	54,00
0532912	Single color PAR 56 with 6 Power LED - Daylight	POWER	6	12 V	8 W	3130	30°	Polycarbonate	54,00
0532913	Single color PAR 56 with 6 Power LED - Turquoise	POWER	6	12 V	8 W	2451	30°	Polycarbonate	54,00
0532914	Single color PAR 56 with 6 Power LED - Blue	POWER	6	12 V	8 W	1092	30°	Polycarbonate	54,00
0532915	Single color PAR 56 with 6 Power LED - Red	POWER	6	12 V	5 W	2402	30°	Polycarbonate	54,00
0532916	Single color PAR 56 with 6 Power LED - Green	POWER	6	12 V	8 W	3310	30°	Polycarbonate	54,00
0531111	Single color PAR 56 SMD with 252 LED - White	SMD 2538	252	12 V	30 W	4834	120°	Polycarbonate	120,00
0531112	Single color PAR 56 SMD with 252 LED - Daylight	SMD 2538	252	12 V	30 W	4834	120°	Polycarbonate	120,00
0531113	Single color PAR 56 SMD with 252 LED - Turquoise	SMD 2538	252	12 V	30 W	3024	120°	Polycarbonate	120,00
0531114	Single color PAR 56 SMD with 252 LED - Blue	SMD 2538	252	12 V	30 W	1000	120°	Polycarbonate	120,00
0531115	Single color PAR 56 SMD with 252 LED - Red	SMD 2538	252	12 V	30 W	1612	120°	Polycarbonate	120,00
0531116	Single color PAR 56 SMD with 252 LED - Green	SMD 2538	252	12 V	40 W	4000	120°	Polycarbonate	120,00
0532311	Single color PAR 56 with 9 OSRAM Power LED - White	OSRAM POWER	9	12 V	23 W	2250	80°	Polycarbonate	108,00
0532312	Single color PAR 56 with 9 OSRAM Power LED - Daylight	OSRAM POWER	9	12 V	23 W	1449	80°	Polycarbonate	108,00
0532313	Single color PAR 56 with 9 OSRAM Power LED - Turquoise	OSRAM POWER	9	12 V	23 W	966	80°	Polycarbonate	108,00
0532314	Single color PAR 56 with 9 OSRAM Power LED - Blue	OSRAM POWER	9	12 V	23 W	378	80°	Polycarbonate	108,00
0532315	Single color PAR 56 with 9 OSRAM Power LED - Red	OSRAM POWER	9	12 V	15 W	927	80°	Polycarbonate	108,00
0532316	Single color PAR 56 with 9 OSRAM Power LED - Green	OSRAM POWER	9	12 V	23 W	1260	80°	Polycarbonate	108,00
0532111	Single color PAR 56 with 18 Power LED - White	POWER	18	12 V	23 W	2340	140°	Polycarbonate	101,00
0532112	Single color PAR 56 with 18 Power LED - Daylight	POWER	18	12 V	23 W	1548	140°	Polycarbonate	101,00
0532113	Single color PAR 56 with 18 Power LED - Turquoise	POWER	18	12 V	23 W	1212	140°	Polycarbonate	101,00
0532114	Single color PAR 56 with 18 Power LED - Blue	POWER	18	12 V	23 W	540	140°	Polycarbonate	101,00
0532115	Single color PAR 56 with 18 Power LED - Red	POWER	18	12 V	15 W	1188	140°	Polycarbonate	101,00
0532116	Single color PAR 56 with 18 Power LED - Green	POWER	18	12 V	23 W	1548	140°	Polycarbonate	101,00
0532411	Single color PAR 56 with 12 OSRAM Power LED - White	OSRAM POWER	12	12 V	31 W	3000	80°	Polycarbonate	118,00
0532412	Single color PAR 56 with 12 OSRAM Power LED - Daylight	OSRAM POWER	12	12 V	31 W	1932	80°	Polycarbonate	118,00
0532413	Single color PAR 56 with 12 OSRAM Power LED - Turquoise	OSRAM POWER	12	12 V	31 W	1288	80°	Polycarbonate	118,00
0532414	Single color PAR 56 with 12 OSRAM Power LED - Blue	OSRAM POWER	12	24 V	31 W	504	80°	Aluminium	118,00
0532415	Single color PAR 56 with 12 OSRAM Power LED - Red	OSRAM POWER	12	24 V	20 W	1236	80°	Aluminium	118,00
0532416	Single color PAR 56 with 12 OSRAM Power LED - Green	OSRAM POWER	12	24 V	31 W	1680	80°	Aluminium	118,00
05321111	Single color PAR 56 with 27 Power LED - White	POWER	27	12 V	35 W	3510	140°	Polycarbonate	120,00
05321121	Single color PAR 56 with 27 Power LED - Daylight	POWER	27	12 V	35 W	2322	140°	Polycarbonate	120,00
05321131	Single color PAR 56 with 27 Power LED - Turquoise	POWER	27	12 V	35 W	1818	140°	Polycarbonate	120,00
05321141	Single color PAR 56 with 27 Power LED - Blue	POWER	27	12 V	35 W	810	140°	Polycarbonate	120,00
05321151	Single color PAR 56 with 27 Power LED - Red	POWER	27	12 V	22 W	1782	140°	Polycarbonate	120,00
05321161	Single color PAR 56 with 27 Power LED - Green	POWER	27	12 V	35 W	2322	140°	Polycarbonate	120,00
0532211	Single color PAR 56 with 18 Power LED - White	POWER	18	12 V	46 W	4320	140°	Aluminium	125,00
0532212	Single color PAR 56 with 18 Power LED - Daylight	POWER	18	12 V	46 W	3600	140°	Aluminium	125,00
0532213	Single color PAR 56 with 18 Power LED - Turquoise	POWER	18	12 V	46 W	2226	140°	Aluminium	125,00
0532214	Single color PAR 56 with 18 Power LED - Blue	POWER	18	12 V	46 W	918	140°	Aluminium	125,00
0532215	Single color PAR 56 with 18 Power LED - Red	POWER	18	12 V	30 W	2880	140°	Aluminium	125,00
0532216	Single color PAR 56 with 18 Power LED - Green	POWER	18	12 V	46 W	2880	140°	Aluminium	125,00
0532511	Single color PAR 56 with 18 OSRAM Power LED - White	OSRAM POWER	18	24 V	47 W	4500	80°	Aluminium	162,00
0532512	Single color PAR 56 with 18 OSRAM Power LED - Daylight	OSRAM POWER	18	24 V	47 W	2898	80°	Aluminium	162,00
0532513	Single color PAR 56 with 18 OSRAM Power LED - Turquoise	OSRAM POWER	18	24 V	47 W	1932	80°	Aluminium	162,00
0532514	Single color PAR 56 with 18 OSRAM Power LED - Blue	OSRAM POWER	18	24 V	47 W	756	80°	Aluminium	162,00
0532515	Single color PAR 56 with 18 OSRAM Power LED - Red	OSRAM POWER	18	24 V	30 W	1854	80°	Aluminium	162,00
0532516	Single color PAR 56 with 18 OSRAM Power LED - Green	OSRAM POWER	18	24 V	47 W	2520	80°	Aluminium	162,00

Technical Table For Par 56 LED Bulbs - Single Color

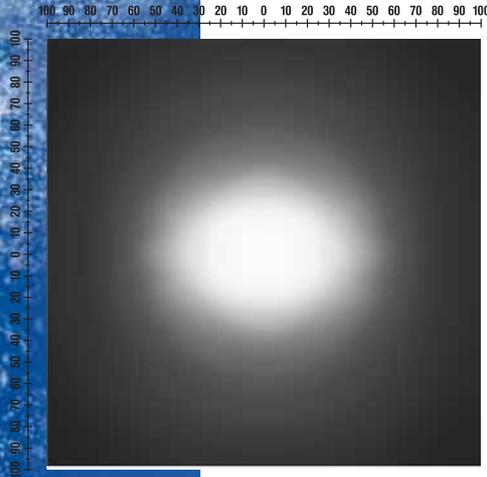
Code	Description	LED Type	# of LED	Voltage (V)	AC V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle	Safe	Price (A)
05322111	Single color PAR 56 with 27 Power LED - White	POWER	27	12 V	70 W	6480	140°	Aluminium	154,00
05322121	Single color PAR 56 with 27 Power LED - Daylight	POWER	27	12 V	70 W	5400	140°	Aluminium	154,00
05322131	Single color PAR 56 with 27 Power LED - Turquoise	POWER	27	12 V	70 W	1818	140°	Aluminium	154,00
05322141	Single color PAR 56 with 27 Power LED - Blue	POWER	27	12 V	70 W	1377	140°	Aluminium	154,00
05322151	Single color PAR 56 with 27 Power LED - Red	POWER	27	12 V	44 W	4320	140°	Aluminium	154,00
05322161	Single color PAR 56 with 27 Power LED - Green	POWER	27	12 V	70 W	4320	140°	Aluminium	154,00
0532611	Single color PAR 56 with 36 OSRAM Power LED - White	OSRAM POWER	36	24 V	93 W	9000	80°	Aluminium	257,00
0532612	Single color PAR 56 with 36 OSRAM Power LED - Daylight	OSRAM POWER	36	24 V	93 W	5796	80°	Aluminium	257,00
0532613	Single color PAR 56 with 36 OSRAM Power LED - Turquoise	OSRAM POWER	36	24 V	93 W	3864	80°	Aluminium	257,00
0532614	Single color PAR 56 with 36 OSRAM Power LED - Blue	OSRAM POWER	36	24 V	93 W	1512	80°	Aluminium	257,00
0532615	Single color PAR 56 with 36 OSRAM Power LED - Red	OSRAM POWER	36	24 V	59 W	3708	80°	Aluminium	257,00
0532616	Single color PAR 56 with 36 OSRAM Power LED - Green	OSRAM POWER	36	24 V	93 W	5040	80°	Aluminium	257,00

Technical Table For PAR 56 LED Bulbs - RGB

Code	Description	LED Type	# of LED	Voltage (V)	AC V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle	Safe	Price (A)
0531201SC	RGB PAR 56 SMD with 54 LED - Built-in PCB System - Integrated RCU Receiver	SMD	54	12 V	15 W	1134	120°	Polycarbonate	88,00
0531211SC	RGB PAR 56 SMD with 252 LED - Built-in PCB System - Integrated RCU Receiver	SMD 2538	252	12 V	30 W	2217	120°	Polycarbonate	156,00
0531201	RGB PAR 56 SMD with 54 LED - Built-in PCB System	SMD	54	12 V	15 W	1134	120°	Polycarbonate	76,00
0531211	RGB PAR 56 SMD with 252 LED - Built-in PCB System	SMD 2538	252	12 V	30 W	2217	120°	Polycarbonate	136,00
0531202	RGB PAR 56 SMD with 54 LED - Central PCB System	SMD	54	12 V	15 W	1134	120°	Polycarbonate	60,00
0531212	RGB PAR 56 SMD with 252 LED - Central PCB System	SMD 2538	252	12 V	30 W	2217	120°	Polycarbonate	108,00
0532720	RGB PAR 56 with 6 Power LED - Central PCB System	POWER	6	12 V	7 W	2208	30°	Polycarbonate	60,00
0532721	RGB PAR 56 with 6 Power LED - Central PCB System	POWER	6	12 V	7 W	1472	45°	Polycarbonate	60,00
0532722	RGB PAR 56 with 6 Power LED - Central PCB System	POWER	6	12 V	7 W	1104	60°	Polycarbonate	60,00
0532120	RGB PAR 56 with 6 Power LED - Built-in PCB System	POWER	6	12 V	7 W	2208	30°	Polycarbonate	76,00
0532120	RGB PAR 56 with 6 Power LED - Built-in PCB System	POWER	6	12 V	7 W	1472	45°	Polycarbonate	76,00
0532120	RGB PAR 56 with 6 Power LED - Built-in PCB System	POWER	6	12 V	7 W	1104	60°	Polycarbonate	76,00
0532121	RGB PAR 56 with 9 OSRAM Power LED - Central PCB System	OSRAM POWER	9	12 V	23 W	855	80°	Polycarbonate	94,00
0532122	RGB PAR 56 with 18 Power LED - Central PCB System	POWER	18	12 V	23 W	1092	140°	Polycarbonate	96,00
0532322	RGB PAR 56 with 9 OSRAM LED - Built-in PCB System	OSRAM POWER	9	12 V	23 W	855	80°	Polycarbonate	115,00
0532222	RGB PAR 56 with 18 Power LED - Central PCB System with Aluminum Body	POWER	18	12 V	46 W	2226	140°	Aluminium	108,00
0532421	RGB PAR 56 with 18 OSRAM LED - Central PCB System with Aluminum Body	OSRAM POWER	18	24 V	47 W	1710	80°	Aluminium	120,00
0532121	RGB PAR 56 with 18 Power LED - Built-in PCB System	POWER	18	12 V	23 W	1092	140°	Polycarbonate	119,00
0532722	RGB PAR 56 with 27 Power LED - Central PCB System	POWER	27	12 V	35 W	1638	140°	Polycarbonate	108,00
0532122	RGB PAR 56 with 27 Power LED - Built-in PCB System	POWER	27	12 V	35 W	1638	140°	Polycarbonate	136,00
0532221	RGB PAR 56 with 18 Power LED - Built-in PCB System with Aluminum Body	POWER	18	12 V	46 W	2226	140°	Aluminium	136,00
0532422	RGB PAR 56 with 18 OSRAM LED - Built-in PCB System with Aluminum Body	OSRAM POWER	18	24 V	23 W	1710	80°	Aluminium	150,00
0532123	RGB PAR 56 with 18 Power LED - Built-in PCB System with Aluminum Bod	POWER	30	12 V	30 W	2490	140°	Polycarbonate	154,00
0532226	RGBW PAR 56 with 30 Power LED - Built-in PCB System	POWER	30	12 V	50 W	4410	140°	Polycarbonate	184,00
0532223	RGBW PAR 56 with 30 Power LED - Central PCB System	POWER	30	12 V	30 W	2490	140°	Polycarbonate	124,00
0532227	RGBW PA R 56 with 30 Power LED - Central PCB System	POWER	30	12 V	50 W	4410	140°	Polycarbonate	148,00
0532224	RGB PAR 56 with 27 Power LED - Central PCB System with Aluminum Body	POWER	27	12 V	70 W	3339	140°	Aluminium	136,00
0532521	RGB PAR 56 with 36 OSRAM Power LED - Central PCB System with Aluminum Body	OSRAM POWER	36	24 V	93 W	3420	80°	Aluminium	179,00
0532223	RGB PAR 56 with 27 Power LED - Built-in PCB System with Aluminum Body	POWER	27	12 V	70 W	3339	140°	Aluminium	168,00
0532522	RGB PAR 56 with 36 OSRAM Power LED - Built-in PCB System with Aluminum Body	OSRAM POWER	36	24 V	93 W	3420	80°	Aluminium	222,00

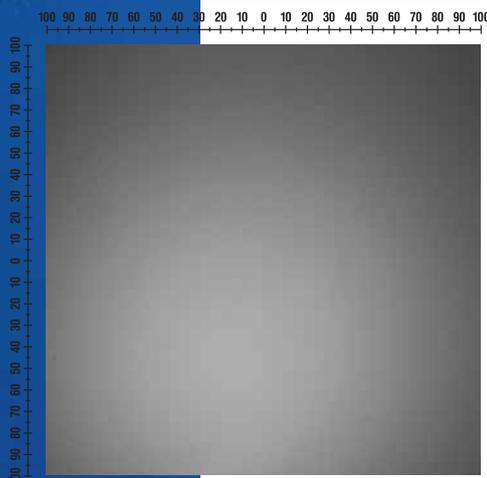
COMPARISONS LIGHTING MODEL

STANDART PAR56 WFL 300W/12V

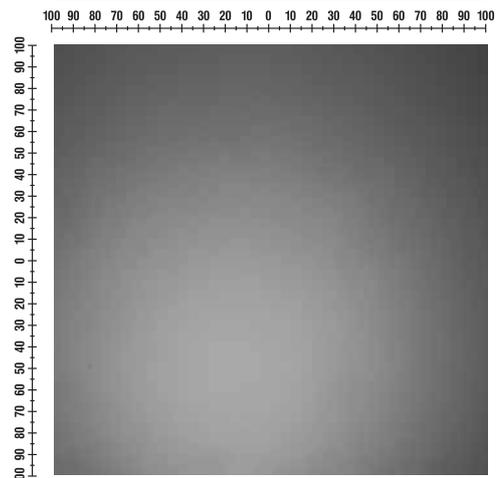


Standart PAR56 bulbs (300W/12V) are designed for wide area lighting and light angles are between 121° and 160° . LED lighting selection for swimming pools should be based on these principles: Narrow-angled for fountains, and wide-angled for swimming pool lighting.

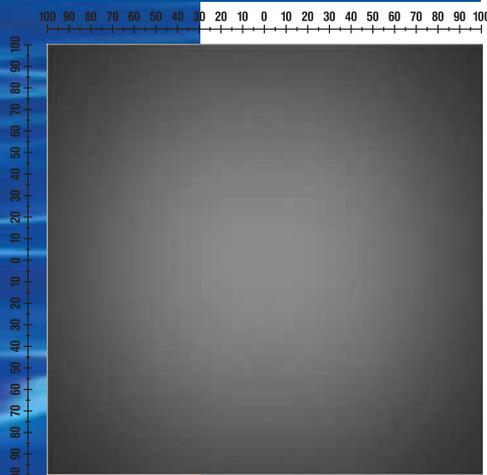
63 SMD



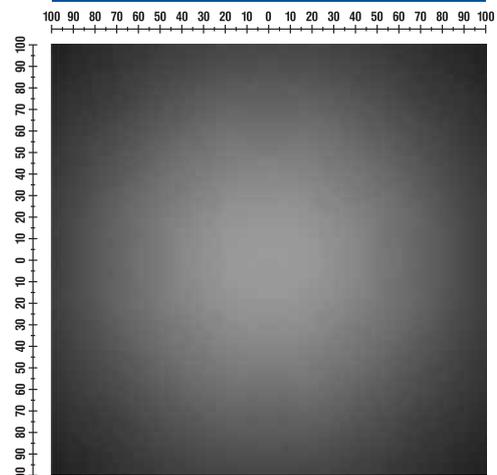
18+12 POWER RGBW 140°



18 POWER 140°



12 POWER OSRAM 80°



COMPARISONS LIGHTING MODEL

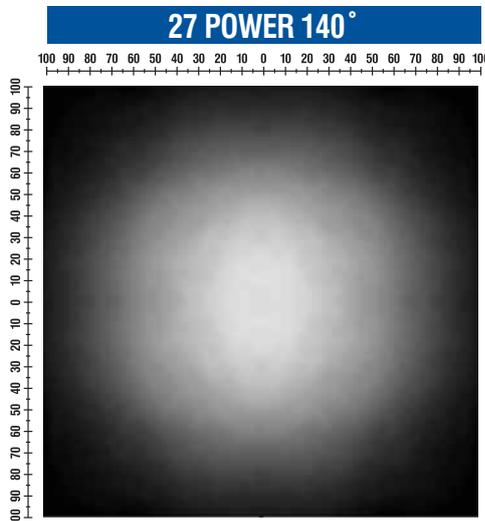
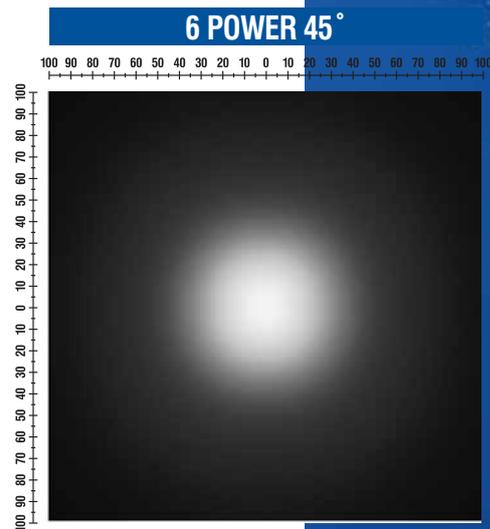
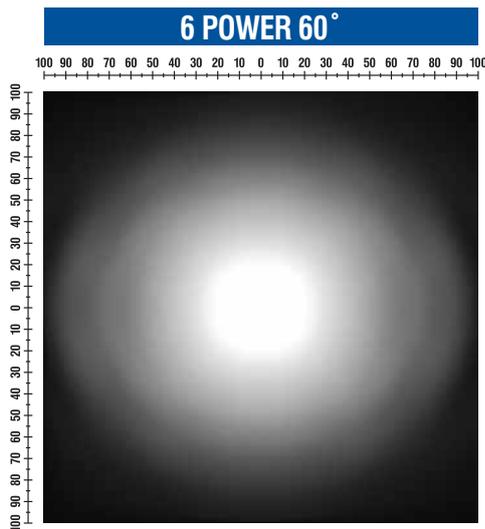
The lighting models below; shows the different bulbs lighting models from 1 meter distance. While the Lux remains same there are significant differences on lumen values as angle changes.

Relation between the “Lux-Lumen-Distance-Light Angle” and calculation;

www.gemas.com.tr/lux2lumen.php

You can use the link above.

Note: The scale value unit is cm.



120°

Light Spectrum

NEW !



63 "SMD" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	63	20	2490	140°
Daylight	63	20	3150	140°
Turquoise	63	20	1680	140°
Blue	63	15	630	140°
Red	54	15	972	140°
Green	63	20	2205	140°

252 "SMD" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	252	30	4834	120°
Daylight	252	30	4834	120°
Turquoise	252	30	3024	120°
Blue	252	30	1000	120°
Red	252	30	1612	120°
Green	252	30	4000	120°

30°, 45°, 60° Light Spectrum

6 PAR 56 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	6	8	4671	30°
Daylight	6	8	3130	30°
Turquoise	6	8	2451	30°
Blue	6	8	1092	30°
Red	6	5	2402	30°
Green	6	8	3310	30°

Electrical Equipments



Par 56 LED Bulbs - Single Color - With SMD LED

Single Color Par 56 with 63 SMD LED - 120°. Polycarbonate body, 20W. AC-DC 11-14V. 50.000 hours long life.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White	0531101	54,00			
• Daylight	0531102	54,00			
• Turquoise	0531103	54,00			
• Blue	0531104	54,00			
• Red	0531105	54,00			
• Green	0531106	54,00			

Single Color Par 56 with 252, 2583 SMD LED - 120°. Polycarbonate body, 30 W. AC-DC 11-14 V. 50.000 hours long life.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White	0531111	120,00			
• Daylight	0531112	120,00			
• Turquoise	0531113	120,00			
• Blue	0531114	120,00			
• Red	0531115	120,00			
• Green	0531116	120,00			

Par 56 LED Bulbs - Single Color - With Power LED

Single color Par 56 with 6 Power LED-30°,45° or 60° lens bulb. Polycarbonate body, 8 W. AC-DC 11-14 V. 50,000 hour-long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control**.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White	0532911	54,00			
• Daylight	0532912	54,00			
• Turquoise	0532913	54,00			
• Blue	0532914	54,00			
• Red	0532915	54,00			
• Green	0532916	54,00			

PS. All orders produced with 30° unless otherwise specified.

6 PAR 56 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	6	8	3114	45°
Daylight	6	8	2087	45°
Turquoise	6	8	1634	45°
Blue	6	8	728	45°
Red	6	5	1602	45°
Green	6	8	2087	45°

6 PAR 56 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	6	8	2336	60°
Daylight	6	8	1565	60°
Turquoise	6	8	1225	60°
Blue	6	8	546	60°
Red	6	5	1201	60°
Green	6	8	1565	60°

Par 56 LED Bulbs-Single Color-With Power LED

Single Color PAR 56 lamp with 18 Power LED. Polycarbonate body, 23W. AC-DC 11-14V. 50.000 hours-long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● White - 2340 lm	0532111	101,00	1		
● Daylight - 1548 lm	0532112	101,00	1		
● Turquoise - 1212 lm	0532113	101,00	1		
● Blue - 540 lm	0532114	101,00	1		
● Red - 1188 lm	0532115	101,00	1		
● Green - 1548 lm	0532116	101,00	1		

Single color Par 56 with 27 Power LED Bulb. Polycarbonate body, 35W. AC-DC 11-14V. 50.000 hr.-long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● White	05321111	120,00	1		
● Daylight	05321121	120,00	1		
● Turquoise	05321131	120,00	1		
● Blue	05321141	120,00	1		
● Red	05321151	120,00	1		
● Green	05321161	120,00	1		

Single color Par 56 with 18 Power LED Bulb. Polycarbonate glass - Aluminum injection body, 46W. AC-DC 22-26V. 50.000 hr.-long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● White - 4320 lm	0532211	125,00	1		
● Daylight - 3600 lm	0532212	125,00	1		
● Turquoise - 2226 lm	0532213	125,00	1		
● Blue - 918 lm	0532214	125,00	1		
● Red - 2880 lm	0532215	125,00	1		
● Green - 2880 lm	0532216	125,00	1		

Single color Par 56 with 27 Power LED Bulb. Polycarbonate glass - Aluminum injection body, 70W. AC-DC 22-26V. 50.000 hr.-long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● White	05322111	154,00	1		
● Daylight	05322121	154,00	1		
● Turquoise	05322131	154,00	1		
● Blue	05322141	154,00	1		
● Red	05322151	154,00	1		
● Green	05322161	154,00	1		

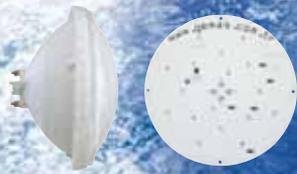


Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	18	23	2340	140°
Daylight	18	23	1548	140°
Turquoise	18	23	1212	140°
Blue	18	23	540	140°
Red	18	15	1188	140°
Green	18	23	1548	140°

Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	27	35	3510	140°
Daylight	27	35	2322	140°
Turquoise	27	35	1818	140°
Blue	27	35	810	140°
Red	27	22	1782	140°
Green	27	35	2322	140°

Color	# of LED	AC 24 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	18	46	4320	140°
Daylight	18	46	3600	140°
Turquoise	18	46	2226	140°
Blue	18	46	918	140°
Red	18	30	2880	140°
Green	18	46	2880	140°

Color	# of LED	AC 24 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	27	70	6480	140°
Daylight	27	70	5400	140°
Turquoise	27	70	1818	140°
Blue	27	70	1377	140°
Red	27	44	4320	140°
Green	27	70	4320	140°



9 PAR 56 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	9	23	2250	80°
Daylight	9	23	1449	80°
Turquoise	9	23	966	80°
Blue	9	23	378	80°
Red	9	15	927	80°
Green	9	23	1260	80°

12 PAR 56 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	12	31	3000	80°
Daylight	12	31	1932	80°
Turquoise	12	31	1288	80°
Blue	12	31	504	80°
Red	12	20	1236	80°
Green	12	31	1680	80°

18 PAR 56 "POWER" LED BULBS				
Color	# of LED	AC 24 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	18	47	4500	80°
Daylight	18	47	2898	80°
Turquoise	18	47	1932	80°
Blue	18	47	756	80°
Red	18	30	1854	80°
Green	18	47	2520	80°

36 PAR 56 "POWER" LED BULBS				
Color	# of LED	AC 24 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	36	93	9000	80°
Daylight	36	93	5796	80°
Turquoise	36	93	3864	80°
Blue	36	93	1512	80°
Red	36	59	3708	80°
Green	36	93	5040	80°

Par 56 LED Bulbs-Single Color-With Power LED

OSRAM

OSRAM Single Color PAR 56 9 Power LED Bulb. Polycarbonate body, 23W. AC-DC 11-14V. 50.000 hours long life. All bulb circuits have heat sensitive **Automatic Current Control** to ensure long life.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White - 2250 lm	0532311	108,00	1		
• Daylight - 1449 lm	0532312	108,00	1		
• Turquoise - 966 lm	0532313	108,00	1		
• Blue - 378 lm	0532314	108,00	1		
• Red - 927 lm	0532315	108,00	1		
• Green - 1260 lm	0532316	108,00	1		

OSRAM Single Color PAR56 12 power LED bulb. Polycarbonate body, 31W. AC-DC 11-14V. 50.000 hours long life. All bulb circuits have heat sensitive **Automatic Current Control** to ensure long life.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White - 3000 lm	0532411	118,00	1		
• Daylight - 1932 lm	0532412	118,00	1		
• Turquoise - 1288 lm	0532413	118,00	1		
• Blue - 504 lm	0532414	118,00	1		
• Red - 1236 lm	0532415	118,00	1		
• Green - 1680 lm	0532416	118,00	1		

OSRAM Single Color PAR56 18 power LED bulb. Polycarbonate glass and aluminum injection body, 47W. AC-DC 22-26V. 50.000 hours long life. All bulb circuits have heat sensitive **Automatic Current Control** to ensure long life.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White - 4500 lm	0532511	162,00	1		
• Daylight - 2898 lm	0532512	162,00	1		
• Turquoise - 1932 lm	0532513	162,00	1		
• Blue - 756 lm	0532514	162,00	1		
• Red - 1854 lm	0532515	162,00	1		
• Green - 2520 lm	0532516	162,00	1		

OSRAM Single Color PAR56 36 power LED bulb. Polycarbonate glass and aluminum injection body, 93W. AC-DC 22-26V. 50.000 hours long life. All bulb circuits have heat sensitive **Automatic Current Control** to ensure long life.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White - 9000 lm	0532611	257,00	1		
• Daylight - 5796 lm	0532612	257,00	1		
• Turquoise - 3864 lm	0532613	257,00	1		
• Blue - 1512 lm	0532614	257,00	1		
• Red - 3708 lm	0532615	257,00	1		
• Green - 5040 lm	0532616	257,00	1		

Par 38 LED Bulbs - Single Color - With Power LED

Single Color 9 PAR 38 LED bulb. Polycarbonate body. 50.000 hours long life. 12W.AC-DC 11-14V.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● White - 1170 lm	0532711	43,00	1		
● Daylight - 774 lm	0532712	43,00	1		
● Turquoise - 606 lm	0532713	43,00	1		
● Blue - 270 lm	0532714	43,00	1		
● Red - 594 lm	0532715	43,00	1		
● Green - 774 lm	0532716	43,00	1		



9 PAR 38 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	9	12	1170	140°
Daylight	9	12	774	140°
Turquoise	9	12	606	140°
Blue	9	12	270	140°
Red	9	8	594	140°
Green	9	12	774	140°

Mini LED - Single Color - With Power LED

Single color 3 power LED bulb. 4W.AC-DC 11-14V. Circuit board bulb. 50.000 hours long life.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● White - 390 lm	0532811	19,00	1		
● Daylight - 258 lm	0532812	19,00	1		
● Turquoise - 202 lm	0532813	19,00	1		
● Blue - 90 lm	0532814	19,00	1		
● Red - 198 lm	0532815	19,00	1		
● Green - 258 lm	0532816	19,00	1		

140° Light Spectrum



3 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
White	3	4	390	140°
Daylight	3	4	258	140°
Turquoise	3	4	202	140°
Blue	3	4	90	140°
Red	3	2,5	198	140°
Green	3	4	258	140°



NEW !



Underwater STRIP LED Lights - IP 68

SINGLE COLOR LED LIGHTS: 12 V Strip Led for Underwater applications. 120 pieces in 1 meter LED. leak-proof cable addition option. 10mm width, 5 mm thickness.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White - price per meter	0534111	26,00			
• Daylight - price per meter	0534112	26,00			
• Blue - price per meter	0534113	26,00			
• RGB - price per meter	0534121	30,00			
• IP 68 Connection Cable M/15cm	0534111Y01	4,80			
• Green Connection Cable F/15cm	0534111Y02	4,80			
• Caps	0534111Y03	2,90			
• Socket	0534111Y04	4,80			

LED Lights Control Panels and Remote Control UNITS

CONTROL PANELS FOR SINGLE LED LIGHTS:

Central Control Panel for Single Color LED Lights: LED light control panel complete with 220/12 V standard transformer, radio waves receiver and remote control. External timer is optional. Total power required = number of lights x power value in the table.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 50 W Transformer	05073211	248,00	1		
• Ditto, Electronic Transformers	05073212	279,00	1		
• 100 W Transformers	05073213	287,00	1		
• Ditto, Electronic Transformers	05073214	309,00	1		
• 150 W Transformers	05073215	318,00	1		
• Ditto, Electronic Transformers	05073216	356,00	1		
• 300 W Transformers	05073217	387,00	1		
• Ditto, Electronic Transformers	05073218	448,00	1		
• External Timer		139,00	1		

REMOTE CONTROL DEVICES FOR SINGLE COLOR LED LIGHTS

Remote Control. Used for LED lights with built-in PCB. Changes the program of a group of light easily by switching on and off, without going to the engine room. The reach of the model is 30 m without the antenna and 80m with antenna. Power capacity for all of the models is 1,1 kW.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Receiver with the plug + remote control key	05090	40,00	1	0,200	
• In-line receiver+remote control key	05091	110,00	1		
• Ditto, with antenna	05091A	150,00	1		
• Remote Control Unit (Without any receiver)	05090Y01	28,00	1		

NEW !



RGB LED Light Control Systems

LED lights with changing RGB colors and light attractions can be installed with different techniques. The basic difference between the lights is the method it uses to control the light changes and the harmony in the light attractions. This control can be maintained separately for every light by an integrated PCB (printed circuit board) as in built-in PCB models. Alternatively, there can be a central PCB installed in a central control panel, to regulate all the lights centrally.

Central PCB models are the definite solution to the synchronization problems that occurs in multi-light systems (>10 lamps) in long time operations. Hence they are recommended in multi-light systems. This kind of control panels are suitable for a limited number of lights. For larger quantities, adequate number of satellite panels should be installed.

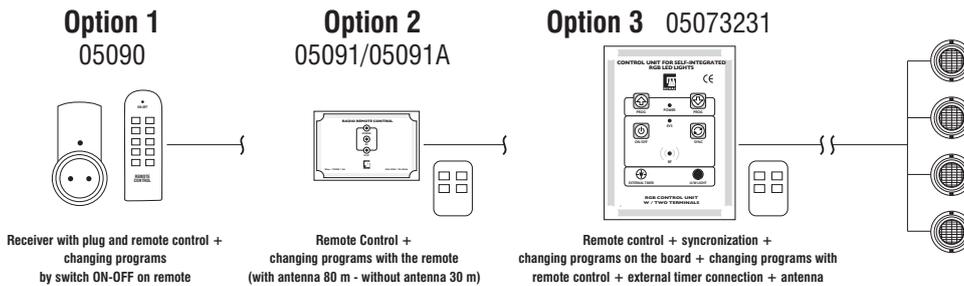
Changing the light program of the lights is realized by switching the system on and off with a remote control. Before doing this, the system should be operating for at least 1-2 minutes.

In lights with built-in PCB, all the lights are tied to a plug with remote control receiver (1) or a board with a receiver (2). These receivers make sure that the light program has changed for all the lights by switching them on and off with the command from the remote control. As the distances between the PCBs in the lights and the receiver are different, synchronization problem may occur in operations longer than 2 hours. In case of this problem, the system should be switched off, and be switched on again after 7-13 seconds. After this, all lights continue working simultaneously with the same program. There is also a special board (3) that facilitates this synchronization. This board also has a remote control and receiver, and can control back and forth movement between light programs. An external timer can also be installed in this panel.

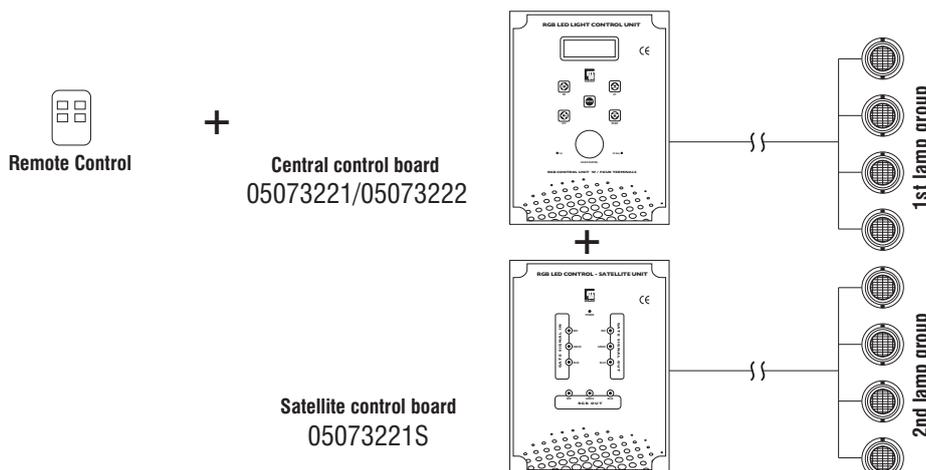
In central PCB systems receiver is installed within the board and controls a single central PCB. In this systems, the synchronization of the light programs never spoil.



BUILT-IN PCB SYSTEM CONNECTION DIAGRAM



CENTRAL PCB SYSTEM CONNECTION DIAGRAM



120°

Light Spectrum

NEW!

Brand New Concept



Self-RCU Controlled Bulb

9 PAR 38 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
RGB KN.EN	54	15	1134	120°
RGB KN.EN	252	30	2217	120°

NEW!



PAR 56 "POWER" LED BULBS				
Color	# of LED	AC Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
RGB KN.EN	54	15	1134	120°
RGB MR.EN	252	30	2217	120°
RGB KN.EN	54	15	1134	120°
RGB MR.EN	252	30	2217	120°

Electrical Equipments



PAR 56 LED BULBS - RGB with SMD LED

Rainbow 54 and Rainbow 252 SMD LED - 120°. Built in PCB system with inside remote control receiver. With one remote control, maximum 8 lights can work with synchronization. The remote control has synchronization correction button. Polycarbonate body. AC-DC 11-14V. 50.000 hour long-life. **Remote control is not included price of the bulb (See, Page 114).**

Built in PCB System and Self RCU Controlled LED Bulbs

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 54, 15 W	0531201SC	88,00	1		
• Rainbow 252, 30 W	0531211SC	156,00	1		

PAR 56 LED BULBS - RGB with SMD LED

Rainbow 54, with 54 SMD LED - 120°. Polycarbonate body, 15W. AC-DC 11-14V. 50.000 hours long life.

Built in PCB System Led Bulbs

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 54	0531201	76,00	1		

Central PCB System Led Bulbs

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 54	0531202	60,00	1		

Rainbow 252, with 252 SMD LED - 120°. Polycarbonate body, 30W. AC-DC 11-14V. 50.000 hours long life.

Built in PCB System Led Bulbs

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 252	0531211	136,00	1		

Central PCB System Led Bulbs

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 252	0531212	108,00	1		

PAR 56 LED BULBS - RGBW Single and Multi Color with Power LED

Rainbow 30 and Rainbow 50 PAR 56 LED Bulb - 140°. Made of 18 pieces of RGB and 12 pieces of white led. The Light can work not only with RGB led programs, but also with only white led lights. It also has an option to light the white leds, with RGB leds all together. In this case, the white light intensity can be maximized. Polycarbonate body. In Built-in PCB system, it is RGB 13+1 white, in Central PCB system, it is RGB 16+1 white different light patterns. With on-off, it enables to changing the program. For built-in PCB systems 2 core cable, for Central PCB systems 4 core cable and central control panels are required. When there is more than 10 LED Bulbs, not to have problems in synchronisation during long hours of working, Central PCB Systems model should be chosen. To ensure longer life, all light circuits has heat sensitive **Automatic Current Control**. Light specifications on the table aside are the ones that RGB and white leds work at the same time.

Built in PCB System Led Bulbs

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 30	0532123	154,00	1		
• Rainbow 50 - Aluminium Body	0532226	184,00	1		

Central PCB System Led Bulbs

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 30	0532124	124,00	1		
• Rainbow 50 - Aluminium Body	0532227	148,00	1		

Par 56 LED Bulbs - RGB - Power LED

Rainbow 6, PAR56 LED bulb. Polycarbonate body. For built-in PCB models RGB 13, for central PCB models RGB 16 different lighting patterns. Changing programs with switch on and off. For built-in PCB bulbs two-core cable infrastructure and for central PCB bulbs four-core or two-core cable infrastructure together with a central control panel is required. It is recommended to use central control models to avoid synchronization problems in systems with more than 10 lamps, 50.000 hours long life. All bulbs have automatic heat control. Lighting intensity is higher than 180 LED.

BULBS WITH BUILT-IN PCB

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 6	0532120	76,00			

BULBS WITH CENTRAL PCB

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 6	0532720	60,00			

NEW !

Brand New Concept



White and RGB Together



PAR 56 "POWER" LED BULBS

Color	# of LED	AC V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
RGBW	30	30	2490	140°
RGBW	30	50	4410	140°
RGBW	30	30	2490	140°
RGBW	30	50	4410	140°

30° - 45° - 60° Light Spectrum

PAR 56 "ROUND" LED BULBS

Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
RGB	6	7	1104	60°



PAR 56 "POWER" LED BULBS				
Color	# of LED	AC V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
RGB	18	12V/23W	1092	140°
RGB	27	12V/35W	1638	140°
RGB	18	24V/46W	2226	140°
RGB	27	12V/70W	3339	140°

80° Light Spectrum



PAR 56 "POWER" LED BULBS				
Color	# of LED	AC V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
RGB	9	12V/23W	855	80°
RGB	18	24V/47W	1710	80°
RGB	36	24V/93W	3420	80°

Par 56 LED Bulbs - RGB - Power LED

Rainbow PAR56 LED bulb. Polycarbonate body. For built-in PCB models RGB 13, for central PCB models RGB 16 different lighting patterns. Changing programs with switch on and off. For built-in control bulbs two-core cable infrastructure and for central PCB bulbs four-core or two-core cable infrastructure together with a central control panel is required. It is recommended to use central control models to avoid synchronization problems in systems with more than 10 lamps, 50.000 hours long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control.**

BULBS WITH BUILT-IN PCB

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 18	0532121	119,00	1		
• Rainbow 27	0532122	136,00	1		
• Rainbow 18 - Alu. Body	0532221	136,00	1		
• Rainbow 27 - Alu. Body	0532223	168,00	1		

BULBS WITH CENTRAL PCB

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 18	0532721	96,00	1		
• Rainbow 27	0532722	108,00	1		
• Rainbow 18 - Alu. Body	0532222	108,00	1		
• Rainbow 27 - Alu. Body	0532224	136,00	1		

OSRAM

BULBS WITH BUILT-IN PCB

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 9	0532322	115,00	1		
• Rainbow 18, Alu. Body	0532422	150,00	1		
• Rainbow 36, Alu. Body	0532522	222,00	1		

BULBS WITH CENTRAL PCB

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 9	0532321	94,00	1		
• Rainbow 18, Alu. Body	0532421	120,00	1		
• Rainbow 36, Alu. Body	0532521	179,00	1		

Par 38 LED Bulbs - RGB - Power LED

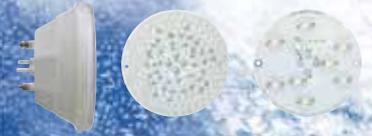
Rainbow 9 PAR 38 Power LED Bulb. Polycarbonate body, RGB 16 different light alternatives, changing programmes with switch on and off. 50.000 hours long life. To ensure longer life, all the light circuits has heat sensitive **Automatic Current Control**.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Built-in control - 546 lm	0532523	96,00	1		
● Central control - 546 lm	0532524	54,00	1		

Mini LED - RGB - Power LED

Rainbow 3 LED bulbs. Different RGB light modes, 3,7W. AC-DC 11-14V. (Central control panel is obligatory for applications with multiple bulbs.)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Built-in control - 182 lm	0532621	64,00	1		
● Central control - 182 lm	0532622	23,00	1		



9 PAR 38 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
RGB B.C.	9	12	546	140°
RGB C.C.	9	12	546	140°

140° Light Spectrum



3 "POWER" LED BULBS				
Color	# of LED	AC 12 V Power (W)	Light Intensity (lux=lm/m ²)	Light Angle
RGB B.C.	3	3,7	182	140°
RGB C.C.	3	3,7	182	140°



LED Light Control Panels and Remote Control UNITS

CONTROL BOARDS FOR RGB COLORED LED LIGHTS:

Central Control Panel with Four Terminals for RGB LED Lamps: LED light control panel complete with 200V inlet/ 12V outlet, 300W electronic transformer, remote control and radio wave receiver. Central control with 16 different light programs. Connections for external timer. **To be established with four core cable infrastructure.**



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Board I with four terminals	05073221	315,00	1		

Central Control Panel with four terminals for RGB LED Lights: LED light control panel complete with 220 V inlet / 12 V outlet, 300 W electronic transformer, remote control and radio wave receiver. Central control with 16 different light programs. It also has LCD screen + electronic timer + mini lamp indicator that simulates the light model in the pool. With the board, it is possible to get millions of colors and add 8 of them to the programmer memory. **To be established with four core cable infrastructure.**



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Board II with four terminals	05073222	468,00	1		

REMOTE CONTROL DEVICES FOR RGB LED LIGHTS

Remote Control. Used for LED lights with built-in PCB. Enables the user to change programmes of a group of lamp with radio waves by switch on and off without going to the engine room. The reach of the model without the antenna is 30 m, and the one with the antenna is 80 m.



NEW!

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Receiver with plug + Remote Control	05090	40,00	1		
• In-line receiver + Remote Control	05091	110,00	1		
• Ditto, with antenna	05091A	150,00	1		
• Remote Control Unit (Without Any Receivers)	05091101	28,00	1		

Power LED Bulb Lens

Power LED Lenses.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 30° Lens	0532001	0,90	1		
• 45° Lens	0532002	0,90	1		
• 60° Lens	0532003	0,90	1		

LED Light Control Panels and Remote Control Devices

Central Control panel with two terminals for RGB LED lights with built-in PCB: 220V inlet-outlet, complete with radio wave remote control receiver and remote control device. Synchronization reset button, and program change buttons on the board and on the remote control. Connections for external timer. Functions of this board can be realized indirectly with the remote control devices 05090 and 05091. This is an easier alternative. **It should be established with two-core cable infrastructure.** Board does not include transformer.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Board I with two terminals	05073231	420,00	1		

Satellite panel for RGB LED lights: In cases where the capacity of the existing panels are inadequate for the number of lights to be established, satellite board can be used to create additional capacity. It has the same capacity with central boards (300W) and installed together with them.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Satellite board, for four terminals	05073221S	456,00	1		



Electronic Switches

Flow Switch. Cuts the electric supply of the device when there is no flow. 2m cable. 1/2" male threaded connection.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Flow switch	05081	48,00	1		



Floater Switch. Made of PP. For on-off control of the level controlled device. 30cm cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Floater switch	05082	34,00	1		



Installation Equipment for Underwater Lights

Junction Box. Made of white ABS plastic. Connections are for "05051" conduits. Two main and two back-up connections.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Junction Box	05040	9,00	8	2,610	0,016

Hose Conduit. 1m length. Both sides are with flexible cuffs for easy connection to the outlets of both underwater lights and connection box.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Hose Conduit	05051	3,10	50	9,100	0,070
● Ditto, with threaded ends.	05051T	4,15	50		

Hose Conduit. Spiral wounded-transparent and blue PVC hose of 3/4".



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Transparent- price per meter	05053	3,70	50	9,100	0,070
● Blue- price per meter	05054	0,95	50	5,200	

Underwater Light Cable.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 2 x 1,5 TTR price per meter	05111062	1,10	100 m		
● 2 x 4 H07RNF price per meter	0511106	2,75	100 m	21,200	
● 2 x 6 H07RNF price per meter	05111061	3,80	100 m	30,400	

Special Tube for Underwater Cable Joint

Special tube used for underwater joints of the lamp cables. Can be used with cables with a diameter between 12-3mm. After the copper joint, the cable should be wrapped with electric band, and then be isolated with the underwater tube by heat treatment.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● For Ø12-3m cables, price per meter	050831	13,40	1		

Bulbs for Underwater Lights

PAR 38-150 W/24 V Bulb

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● PAR 38 - 150 W/24 V Bulb	05021001	13,40	12	4,916	0,003

PAR 56 - 300 W/12 V Bulb

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● PAR 56 - 300 W/12 V Bulb	05111002	13,40	12	8,194	0,046
● PAR 56 - 300 W/12 V Bulb GE	05111002GE	31,50	12		

100 W/12 V Halogen Bulb

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 100 W/12 V Halogen Bulb	05113002	6,20			

50 W/12 V Halogen Bulb

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 50 W/12 V Halogen Bulb	0511207	5,00	50	2,000	0,007

Sandwich Gasket for Underwater Lights

Sandwich gasket for underwater lights.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● For Standard 2002 Underwater light	05211401S	8,25	1	0,800	



CE



Transformers - 230/12V

300 W / 230 - 12 V Outlet Transformer. Housing made of heat resistant plastic. Gasket sealed lid. Input with glass fuse, outlet with special connection terminal. Complete with hardware necessary for fixing on the wall. Winding is completely sealed in polyurethane for humid rooms. IP65.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	05073	74,00	1	4,000	0,003



300 W / 230 - 12 V Outlet. Housing made of resistant plastic. 220 V input with glass fuse.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• IP 20	05074	46,00	1	5,050	0,007
• Ditto, w/polyester isolation, IP 65	05074P	50,00	1	6,250	0,007

CE



2 X 300 W = 600 W / 230 - 12 V Outlet. Housing made of heat resistant plastic. Two 300W/12V underwater lamp can be connected.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• IP20	05063	114,00	1	7,200	0,008
• Ditto, w/polyester isolation, IP65	05063P	125,00	1		

100 W / 230 - 12 V outlet. Plastic housing, polyurethane isolation.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• IP65	05067	52,00	1		0,007



50 W / 220 - 12 V çıkışlı.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	05069	34,00			

230 V - 24 V Outlet Transformer. Housing made of heat resistant plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 150W - IP20	05064	81,00	1	4,600	0,007
• 300W - IP20	05065	112,00	1	5,900	0,007

CE



600 W / 230-24 V Outlet Transformer. Housing made of heat resistant plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• IP 20	05066	203,00	1	7,400	0,008

Electronic Control Boards

POOL CONTROL MONO. Complete Electronic Control Box. Controls 1 pc of single phase pump up to 2,2 kW and group of lights max. 5 A. User-Friendly interface, very easy to control with only a single button. Controls the system according to time. Logs the working hour and error data. Auxiliary output for extra connections such as robots, chlorinators, automatic dosing systems, heaters etc. During initial start-up, sets the min and max current values of the pump automatically and saves the overload/underload protection amper limits. This way, the pump is protected against over/under current load.

Technical specifications:

- **Power Input:** 230 Vac - 50 Hz
- **Protections :** Current Overload/Underload
- **Display Info :** Current Time, Pump Status, Light Status, AUX Status, Alarm
- **Auxiliary Output :** 5 A Max (Robots, Salt Chlorinators, Dosing Pumps, Heaters etc can be connected)

NEW !



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Pool Control Mono	0507311	185,00	1		



Electrical Control Boards

NEW !



050711-051721

NEW !



050713-051723

With contactor. Electric control board; made of injection plastic, resistant to dust and impacts, closed type board with decorative look. For threephase and monophase pumps of up to 4kW (excluding). All boards have Siemens contactors and termic magnetic switch board protection. Switch on-off keys are enlightened.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 triphase pump + 1 group of lights	050711	276,00	1	3,300	0,017
• Ditto, w/timer	050711T	396,00	1	3,500	0,017
• 1 triphase pump + 2 groups of lights	050712	316,00	1	3,594	0,017
• Ditto, w/timer	050712T	464,00	1	3,725	0,017
• 2 triphase pumps + 2 groups of lights	050713	556,00	1	4,382	0,017
• Ditto, w/timer	050713T	630,00	1	4,580	0,017

Note: Please ask for the price for your special boards.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 Monophase Pump+1 group of lights	050721	276,00	1	3,300	0,017
• Ditto, w/timer	050721T	396,00	1	3,500	0,017
• 1 Monophase Pump+2 group of lights	050722	316,00	1	3,594	0,017
• Ditto, w/timer	050722T	464,00	1	3,725	0,017
• 2 Monophase Pump+2 group of lights	050723	556,00	1	4,382	0,017
• Ditto, w/timer	050723T	630,00	1	4,580	0,017

Note: Please ask for the price for additional phase protection and residual current relay of your special boards.

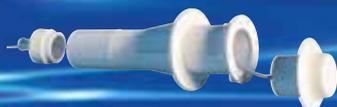
Note: Does not include transformers.

Pneumatic Switch Board. For threephase pumps up to 4kW (excluding). Complete with contactor and fuse. Ready installed in plastic box.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Pneumatic switch board	05080	212,00	1	0,748	0,003
• Pneumatic switch. Up to 1HP	156871	14,50	1		

Pneumatic Button For Underwater Installations Through the Wall: For the control of electrical equipment inside the pool. Complete with special wall conduit+cable outlet. Can be used with 05080 to be effective up to 30m.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Pneumatic Button For Underwater	05080B	56,00	1	0,650	0,004



Control Boards - Level Control

LEVEL CONTROL BOARD; Full electronic balance tank level regulator control system. Complete with electronic floater.

Technical Characteristics:

- **Overflow Control:** In case of an overflow of balance tank, sends signal to sound alarm system and/or balance tank suction motorised valve, alarms and/or prevents the overflow.
- **Lower Level Control:** When there is no water in the balance tank, sends signal to pump contactor and terminates the pump operation.
- **Upper Level Control:** In case a water shortage in the balance tank, device controls the solenoid valve of the main water line and automatically makes up water to the system.

MODELS:

Level Control I, Automatic water make up.

Complete with 3/4" solenoid valve and 1 electronic floater.

Level Control II, Automatic water make up and overflow alarm.

Complete with 3/4" solenoid valve, 2 electronic floater and sound alarm.

Level Control III, water make up, lower level and overflow alarm.

3/4" solenoid valve, 3 electronic floaters and sound alarm.

Overflow Control, Can be supplied by Ø50 or Ø63 motorized ball valve addition.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Level Control I	050741	232,00	1	0,500	0,002
• Level Control II	050742	346,00	1		
• Level Control III	050743	385,00	1		
For Overflow Control;					
• Ø50 mm motorized ball valve	131115M	401,00	1		
• Ø63 mm motorized ball valve	131116M	504,00	1		



Automatic pH - Cl (Redox) Controller

GEMAS POOL DIRECTOR (Automatic pH-Redox Controller). Complete with electrodes, electrode cable, flow cell, on-line strainer and buffer solutions. All assembled on a 60 x 75cm plastic panel. Operation instructions are mentioned and a space for assembling of the metering pump is reserved on the panel. Dosing pumps excluded.

Technical Features:

- Microcontroller technology
- Touch-operated keypad
- ON-OFF and rational operation modes can be selected for pH and ORP separately
- Automatic calibration with closed calibration solution
- Optional heat sensor
- Optional dosing pump level control
- Optional flow switch for flow control
- RS232 or RS485 outlets for optional DATA transfer



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Pool director - with board	06311	750,00	1		
● Pool director - w/out board	06312	394,00	1		
● Additional heat sensor	063212	225,00	1		
● Additional dosing pump level control	05082	24,00	1		
● Additional flow switch	05081	34,00	1		
● Additional RS232 or RS485	063215	290,00	1		

Pool Info Panels

POOL INFO PANELS. Digital panels; indicating the info transferred from "Pool Director" through RS485 input. Four lines indicating pH, ORP, pool water temperature, ambient temperature (PANEL I) + Sliding announcement feature with PC connection (PANEL II). h=100 mm character (can be easily seen from 40 m). h=150 mm character (can be easily seen from 60 m). Suitable for outdoor use. Main supply 220 V AC. Sliding info program is included.



PANEL I



PANEL II

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● PANEL I ; h=150mm character ~640 x 640 x 70 mm	0632142	1063,00	1		
● PANEL II ; h=150 mm character ~800 x 640 x 70 mm	0632152	1240,00	1		

Automatic pH-Redox Controller

Free Chlorine Controller. Complete with amperometric chlorine sensor, pH and redox electrodes, flow cell. With washable filter, IP65 protection, 4-20mA signal outlet, System for the measurement and control for remaining chlorine in ppm (=mg/l)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	06410	3459,00	1		

Free Chlorine and pH Controller. Complete with amperometric chlorine sensor, pH and redox electrodes, flow cell. With washable filter, IP65 protection, 4-20mA signal outlet, System for the measurement and control for remaining and pH in ppm (=mg/l)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	06420	4232,00	1		

According to DIN 19643 Automatic pH, FreeChlorine and Redox Control are obligatory in Commercial Pools.

Monoblock Automatic Control Systems with Dosing Pumps

GEMAS Monoblock Measurement and Dosing Unit. IP65 digital indicator, Complete with 10 l/h - 2 bar dosage pump integrated pH and ORP dosing units, sensors, sensor holders, calibration solutions. Assembled on panel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	065MD03	1809,00	1		

GEMAS Monoblock Measurement and Dosing Unit. IP65, digital indicator, integrated with 10 l/h - 2 bar dosage pumps. Complete with sensor, sensor holders, calibration solutions. PVC pump body, ceramic valve.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● pH	065MD01	678,00	1	3,164	0,009
● ORP	065MD02	690,00	1	3,156	0,009



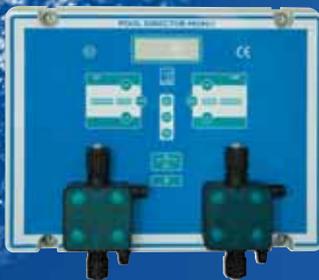
Monoblock Automatic Control Systems with Dosing Pumps

GEMAS POOL DIRECTOR. Automatic pH and Cl (redox) controller. Complete with dosing pumps, electrodes, electrode cables, PVC electrode flow cell, and buffer solutions. Microprocessor control. Dimensions 507 x 705 mm, installed on plastic box-panel.



Technical Features:

- Microcontroller technology
- Touch-operated keypad
- ON-OFF and rational operation modes can be selected for pH and ORP separately
- Automatic calibration with chosen calibration solution
- Optional heat sensor
- Optional dosing pump level control
- Optional flow switch for flow control
- RS232 or RS485 outlets for optional DATA transfer



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With peristaltic pump (3 l/h)	065111	940,00			
• With magnetic membrane pump (5 l/h)	065121	1190,00			

Spare Parts for Control Systems

Heat sensor with 1,5 m cable



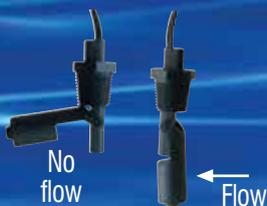
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	063212	253,00	1		

Dosing pump level control with 1,5 m cable



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	05082	26,80	1		

Flow switch, 1,5 m cable



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	05081	38,20	1		

PS. Can be used as floater switch. It will give signal only on open mode not on vertical mode.

pH - Redox Electrode and Spare Parts

pH ELECTRODE : Complete with cable and, BNC socket.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	06611	110,00	1	0,124	0,0006

REDOX ELECTRODE : Complete with cable and, BNC socket.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	06612	110,00	1	0,920	0,0006

PVC FLOW CELL : Ø 20 mm, single.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	06631	22,70	1	0,048	

Electrode Cell, Double.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	06633	88,00	1	0,980	

REDOX BUFFER SOLUTION

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 220 mv - 50 cc	06511	10,10	1	0,032	
● 468 mv - 50 cc	06512	10,10	1	0,032	

pH BUFFER SOLUTION

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● pH 4 - 50 cc	06521	9,10	1	0,032	
● pH 7 - 50 cc	06522	9,10	1	0,026	



Dosing Pumps

GEMAS Dosing Pump. Membrane type. Analogue. Manually adjustable from %10 to %100.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2 lt / h - 11 Bar	06MD0211	209,00	1	3,092	0,009
• 3 lt / h - 9 Bar	06MD0309	209,00	1	3,092	0,009
• 5 lt / h - 8 Bar	06MD0508	209,00	1	3,092	0,009
• 8 lt / h - 4 Bar	06MD0804	209,00	1	3,092	0,009
• 10 lt / h - 2 Bar	06MD1002	209,00	1	3,092	0,009
• 15 lt / h - 2 Bar	06MD1502	209,00	1	3,092	0,009

GEMAS Dosing Pump. Membrane type. Manually adjustable from %10 to %100.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 10 lt / h - 5 Bar	06EN1005	356,00	1	3,092	0,009
• 20 lt / h - 5 Bar	06EN2005	377,00	1	3,092	0,009

GEMAS Dosing Pump. Peristaltic type. Analogue. Manually adjustable from %10 to %100.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3 lt / h - 1 Bar	06P08AA0103100	103,00	1		

Choosing the Dosing Pump:

A- Daily Chlorine Requirement:

1- Loss From Swimmers: The number of swimmers should be determined or estimated. This number should be considered according to busiest day. Daily loss per swimmer in mediterranean region is 10 gr/day.

2- Loss From Sun Light (The Destructive effects of UV light on chlorine): This lost is on average 2,5 gr per each pool m³ in mediterranean belt.

Daily Chlorine Requirement (gr) = The Number of Swimmers x 10 gr + Pool Volume (m³) x 2,5 gr

For example: The Pool that 250 swimmer's daily use and 1000 m³ pool volume.

Daily Chlorine Requirement = 250 x 10 gr + 1000 m³ x 2,5 gr/m³ = 5000 gr

B- Determining The Capacities of Chlorine and Dosing Pumps:

* **Minimum Dosing Pump Capacity (l/h) =** Daily Chlorine Requirement (gr/day) x 0,0015

It depends on the fact that the determined capacity equals to the daily need of chlorine with %12 sodium hypochlorid get dosed 12 hours period. If dosing period is wanted to be shortened, the capacity should be increased with same level of shortening. For example; dosing period is chosen at 8 hours, total capacity 12/8 = 1,5 times increased. The same capacity is also enough for PH pump. Pump pressure loss should be chosen minimum 2 bars.

C- Determining The Capacity of Flocculant Dosing Pump:

Flocculant should be dosed as far as possible from filter. It's suggested to be dosed from pump outlet.

* **Minimum Capacity of Dosing Pump:** Pool Circulation Flow (m³/h) x 0,002

The dosing that technically required is to give enough quantity continuously. Too much and too fast dosing would cause blur of the pool water. Pump pressure loss should be chosen minimum 2 bars.

For example; a pool which has 100 m³ flow, flocculant dosing pump capacity (l/h) = 100 m³/h x 0,002 = 0,2 l/h. In this case the dosing pump which has 2 l/h capacity should work with %10.

Chemical Drums

Polythene Chemical Drums.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 100 l	06811	98,00	1	5,086	0,145
• 200 l	06812	197,00	1	8,110	0,285



Chemical Drum Mixers

Manual Mixer. Made of PVC Plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	06831	34,00	1	0,260	0,001



Motorized Fast Mixer. Made of PVC plastic. 1400 rpm speed fast mixer. 0.18 KW / 220 V / 50 Hz. Shaft length: 600 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Fast Mixer	06832	508,00	1	10,260	0,137



Motorized Slow Mixer. Made of PVC plastic. 70 rpm speed slow mixer. 0.13 KW / 220 V / 50 Hz. Shaft length: 600 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Slow Mixer	06833	722,00	1		



Tablet Chlorine Dosing Systems

CHLORINE DISPENSER. Made of ABS plastic, floating type tablet chlorine dosing float. Adjustable dosing amount.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Chlorine Dispenser Model 1-7 Tablet	0619027	10,30	1	0,290	0,004
● Chlorine Dispenser Model 2-6 Tablet	0611504	6,70	1	0,358	0,008
● Chlorine Dispenser Model 3-6 Tablet	06190701	6,70	1		
● Chlorine Dispenser Model 4-6 Tablet	06190701T	18,05	1		
With thermometer.					

CHLORINE DISPENSER. Made of plastic, floating type tablet chlorine dosing float. Adjustable dosing amount.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Derby Dolphin Brominator	061800	18,55	1		
● Derby Duck Chlorinator	064002	39,00	1		
● Turtle Mid-Size Chlorinator	066003	18,55	1		



Tablet Chlorine Dosing Systems

GEMAS CLT-167 CHLORINATOR. ABS body, 2 kg tablet capacity. Dosage adjustment on the device. Used for pools of maximum 95 m³ capacity. Off-line model can be installed in the pool circulation line with an easy by-pass.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Off - Line	069CLT167A	56,00	1	1,130	0,012
• On - Line	069CLT167B	32,00	1	0,962	0,012
• Chlorinator Base, Inox	069CLT01	60,00	1		

GEMAS CLT-168 CHLORINATOR. ABS body, 4 kg tablet capacity. Dosage adjustment on the device. Used for pools of maximum 150 m³ capacity. Off-line model can be installed in the pool circulation line with an easy by-pass.

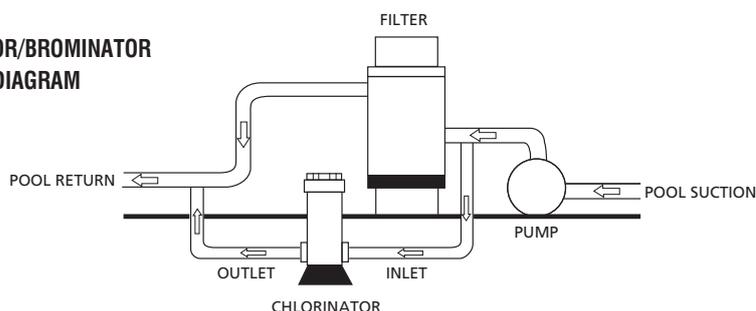
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Off - Line	069CLT168A	113,00	1	1,748	0,017
• On - Line	069CLT168B	89,00	1	1,626	0,017

GEMAS CHLORINATOR FOR PUBLIC POOLS. ABS body, off-line. Dosage adjustment on the device. Used for pools of maximum 1500 m³ capacity.

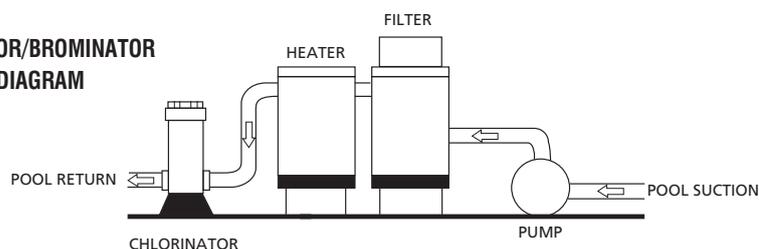
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 17 kg	06CLT176	190,00	1		
• 23 kg	06CLT177	217,00	1		
• 30 kg	06CLT178	252,00	1		
• 35 kg	06CLT179	280,00	1		



**OFFLINE
CHLORINATOR/BROMINATOR
ASSEMBLY DIAGRAM**



**ONLINE
CHLORINATOR/BROMINATOR
ASSEMBLY DIAGRAM**



NEW !



Ø 63 Ball Valve Handle



GEMAS Salt - Water Chlorinator

Salt Water Chlorinators produce chlorine by electrolysis of pool water with salinity of teardrop. The device has a standart cleaning cycle process (by switching polarity) against calcification inside electrode cell. Numeric screen shows the working percentage and current value in amperes. According to total hardness of the pool water, Switching Polarity Cycle could be arranged from 1 to 8 hours. Factory Setting is once in every 6 hours. Device saves the total working hour. Electrodes are made of titanium and have a 10.000 hours long life. It can be installed to every existing pool. All models can be used in seawater. The recommended salinity rate is 4000 ppm (4kg/m³). The approximate salinity in sea water is 35.000 ppm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Puritron GSC-10	064250	565,00	1		
• Puritron GSC-20	064260	720,00	1		
• Puritron GSC-30	064270	814,00	1		

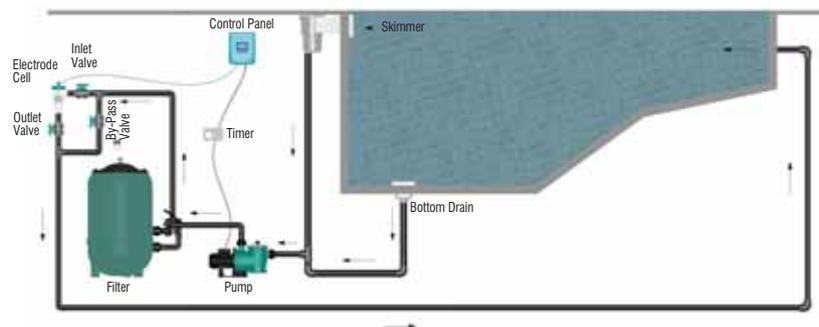
In addition to the above mentioned specifications, the required software and hardware are already been installed which enables automatic pH control. The device is installed on a panel complete with pH electrodes, electrode flow cell and 2 l/h dosing pump.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Puritron-101, with Automatic pH control	064251	960,00	1		
• Puritron-201, with Automatic pH control	064261	1130,00	1		
• Puritron-301, with Automatic pH control	064271	1220,00	1		

Model	Pool Volume (m ³)	Cl Prod. (g/h)	Weight (kg)	AC (A)	Voltage (V)	Current DC (A)	Energy Consumption (W)	Package (cm)
Puritron SC-10	0 - 50	15	8	220 V/I	7	15	145	37 x 31 x 22
Puritron SC-20	0 - 100	22	3,2	220 V/I	25	4,7	190	47,5 x 17 x 35
Puritron SC-30	100 - 170	33	3,5	220 V/I	25	6,9	300	47,5 x 17 x 35

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• SC-10 Spare Electrode	06430YE	315,00	1		
• SC-20 Spare Electrode	06425YE	563,00	1		
• SC-30 Spare Electrode	06426YE	750,00	1		

INSTALLATION DIAGRAM



Salt-Water Chlorinator - Semi-Commercial Pools

Designed for midsize hotel and apartment complex pools. The device produces chlorine by electrolysis of pool water with salinity of teardrop. It has a standart cleaning cycle process against calcification. Electrods are made of titanium and have a 20.000 hours long life. Corrosion resist stainless steel body. Electrods cell made of methacrylate and transparent. It has a LCD screen. Device is switched mode. All models can be used with seawater.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● SMC50 (Suitable for Sea Water)	06434	4176,00	1	13,000	
● SMC75 (Suitable for Sea Water)	06435	5170,00	1	15,000	
● SMC100 (Suitable for Sea Water)	06436	6275,00	1	20,000	
● SMC150 (Suitable for Sea Water)	06437	7290,00	1	25,000	

Model	Pool Volume (m ³)	Chlorine Production (g/h)	Voltage (VAC)	Voltage (VDC)	Power Consumption (W)	PVC Pipe (mm)	Weight (kg)	Control Unit Dimensions (mm)	Cell Measurements (mm)
SMC50	150 - 200	50	220	24 max.	250	63	13	300 x 250 x 150	140 x 531
SMC75	200 - 250	75	220	24 max.	350	63	15	300 x 250 x 150	140 x 531
SMC100	250 - 300	100	220	24 max.	500	63	20	300 x 250 x 150	140 x 531
SMC150	300 - 350	150	220	24 max.	670	63	25	300 x 250 x 150	140 x 531

PS: Above capacities are calculated for 12-14 working hours.

Salt-Water Chlorinator - Public Pools

In addition to all above specifications, this device has electronic current control, heat and flow control. Salinity range for work needs to be 500-3500 ppm. Electrodes have a 25.000 hours long life. Produced Upon Request.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● SMC250 (Suitable for Sea Water)	06438				
● SMC500 (Suitable for Sea Water)	06439				

P L S . A S K P R I C E

Model	Chlorine Production (g/h) (5kg/m ³ salt)	Chlorine Production (g/h) (0,5kg/m ³ salt)	Voltage (VAC)	Voltage (VDC)	Güç (A)	Power Consumption (W)	PVC Pipe (mm)	Weight (kg)	Cell Measurements (mm)
SMC250	250	100	220	24 max.	50	1.350	63	40	750 x 450 x 900
SMC500	500	200	220	24 max.	100	2.540	63	60	1000 x 450 x 900





Salt - Water Chlorinators - Spare Parts

Description	Code	List Price Euro	Pieces/box
 GSC10 Bipolar Electrode	0643101	420,00	1
 GSC20 Bipolar Electrode	0643201	750,00	1
 GSC30 Bipolar Electrode	0643301	1040,00	1
 GSC Electrode Housing	0643102	89,00	1
 GSC Electrode Housing Nut	0643103	39,00	1
 GSC Electrode Connection Cable	0643104	64,00	1
 GSC Electrode Oring	0643105	6,50	1
 GSC 230 VAC Cable	0643106	38,00	1
 Wall Hang Piece	0643107	13,00	1
 SMC50 Electrode	0643401	1920,00	1
 SMC75 Electrode	0643501	2320,00	1
 SMC100 Electrode	0643601	2815,00	1
 SMC150 Electrode	0643701	3641,00	1
 SMC50-75-100-150 Electrode Housing	0643402	745,00	1
 SMC250-SMC500 Electrode	0643801	PLS. ASK PRICE	

Salt - Water Chlorinator Capacity Measurement:

A- Daily Chlorine Requirement:

1- Loss From Swimmers: The number of swimmers should be determined or estimated. This number should be considered according to busiest day. Daily lost per swimmer in mediterranean Region is 10 gr/day.

2- Loss From Sun Light (The Destructive effects of UV light on chlorine): This lost is on average 2,5 gr per each pool m³ in mediterranean belt.

Daily Chlorine Requirement (gr) = The Number of Swimmers x 10 gr + Pool Volume (m³) x 2,5 gr

For example: The Pool that 250 swimmer's daily use and 1000 m³ pool volume.
Daily Chlorine Requirement = 250 x 10 gr + 1000 m³ x 2,5 gr/m³ = 5000 gr

With 12 hours filtration = 5000 gr/12h = 416 gr/h ► SMC 500

With 24 hours filtration = 5000 gr/24h = 200 gr/h ► SMC 250

Ultraviolet UV-C Disinfection Systems

Ultraviolet disinfection systems work with the principle of lethal effects of 220-280 wave length ultraviolet lights on living organisms. This wave-length ultraviolet lights require a specific contact time to kill microorganisms by destroying their cell walls. The UV devices are designed to assure this contact time. UV radiation is considered in 4 spectrum: UV-A, UV-B, UV-C and vacuum UV. UV-C spectrum is used for water disinfection with the wave length as specified above.

Advantages of UV-C System :

- Reduces Chlorine and Chemical consumption %50 to %80.
- Effective for all microorganisms.
- Remove all the side effects caused by chlorine (skin irritation, eye burn, allergy, asthma etc.)
- Reduces all chemical usage and leaves no harmful waste.
- Destroys all bound chlorine compounds (=chloramines) and other harmful organic compounds.
- Low operating cost, and eco-friendly technology

Devices below; designed for private pools. SPA models are plastic body and inner surface is made of polished aluminum that increases the radiation.

Pool models are 316L quality stainless steel body, enables + %35 radiation efficiency. Devices are assembled with **timers** that shows bulb operating life. Devices give warning when bulbs complete their lifespan. Also, there is **flow switch (circuit breaker)** at the outlet of 130 watt device that disables the bulb when pool circulation stops. In this model, Philips brand **AMALGAM** bulb has been used which allows most effective UV-C radiation. Max. operating pressure is 2 bar.

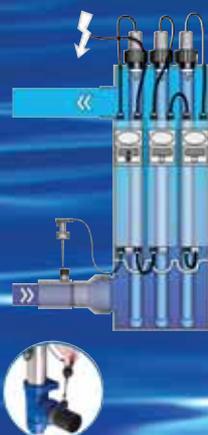
Description	Code	List Price Euro	Pieces/box
● SPA UV-C Device, up to 10 m ³	06B200011	340,00	1
● POOL UV-C 75 Device, with Timer, 75 m ³	06B210003	815,00	1
● POOL UV-C 130 Device, with Timer, Flow Switch, 150 m ³	06B210006	1860,00	1

Technic Specifications	B200011	B210003	B210006
Pool Volume (m ³)	10	75	150
Max. Flow Rate (m ³ /h)	5	25	30
Max. Working Pressure (bar)	1	2	2
Diameter (mm)	59	72	72
Length (cm)	40,5	100	100
Outlet Diameter (mm)	50	63-50	63-50
Stainless Steel	-	316L	316L
Electronic Ballast	230V AC 50Hz	230V AC 50/60Hz	230V AC 50/60Hz
Max. Current (Amp)	0,25	0,5	1,1
Bulb Power (W)	12	75	130
Wave Length (nm)	253,7	253,7	253,7
Bulb Voltage (V)	89	97	70
Bulb Current (Amp)	0,16	0,80	2.1
UV-C 100 h outlet (W)	3,6	25	50
μW/cm ² 1 meter distance	33	230	468
Bulb Type	Philips PLS12W 230V	Philips TUV 36T5 HO 4P-SE (75 Watt)	Philips TUV 130 Watt 4P-SE Amalgam
Setting Time	-	Exist	Exist
Bulb Change Warning	Exist	Exist	Exist
Flow Switch	-	-	Exist
Chemical Usage Decrease	%80	%80	%80
Weigh (Kg)	3,5	5	5,5
Package Size (mm)	260 x 110 x 550	280 x 150 x 1010	280 x 150 x 1010



Ultraviolet UV-C Disinfection Systems

CE



The devices below designed for Semi-Public (Hotel, complex, school...) and Public Pools. All models (PRO series) are 316L quality stainless steel body, and provides +%35 efficiency. Devices are assembled with **timers** that shows bulb operating life. Devices give warning when bulbs complete their lifespan. Also, there is **flow switch (circuit breaker)** at the outlet of 130 watt device that disables the bulb when pool circulation stops. In this model, Philips brand **AMALGAM** bulb has been used which allows most effective UV-C radiation. Max. operating pressure is UV-C Pro 5 bar, UV-C Pro Buster 10 bar.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Pool UV-C PRO 130 Device, With Timer, Flow Switch, 150 m ³	06B210007	2104,00	1	8,500	
● Pool UV-C PRO Buster Device, With Timer, Flow Switch, 450 m ³	06B200031	5500,00	1	30,000	

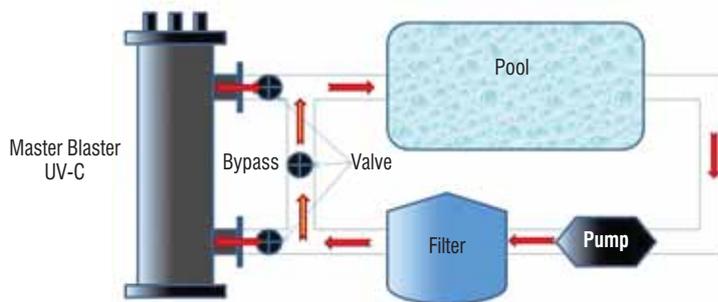
Technic Specifications	B210007	B200031
Pool Volume (m ³)	150	450
Max. Flow Rate (m ³ /h)	40	60
Max. Working Pressure (bar)	5	10
Diameter (mm)	120	158
Length (cm)	100	95
Outlet Diameter (mm)	63	75
Stainless Steel	316L	316L
Electronic Ballast	230V AC 50/60Hz	230V AC 50/60Hz
Max. Current (Amp)	1,1	3 x 1,1 Amp.
Bulb Power (W)	130	3 x 130 Watt
Wave Length (nm)	253,7	253,7
Bulb Voltage (V)	70	70
Bulb Current (Amp)	2,1	2,1
UV-C 100 h outlet (W)	50	3 x 50 Watt
μW/cm ² 1 meter distance	468	3 x 468
Bulb Type	Philips TUV 130 Watt 4P-SE Amalgam	Philips TUV 130 Watt 4P-SE Amalgam
Setting Time	Exist	Exist (3x)
Bulb Change Warning	Exist	Exist (3x)
Flow Switch	Exist	Exist
Chemical Usage Decrease	%80	%80
Weigh (Kg)	8,5	30
Package Size (mm)	265 x 190 x 1065	1150 x 365 x 365

Ultraviolet UV-C Disinfection Systems

The devices below designed for Semi-Public (Hotel, complex, school...) and Public Pools. All models (PRO series) are 316L quality stainless steel body, and provides +35% efficiency. . Devices are assembled with **timers** that shows bulb operating life. Devices give warning when bulbs complete their lifespan. Also, there is **flow switch (circuit breaker)** at the outlet of 130 watt device that disables the bulb when pool circulation stops. In this model, Philips brand **AMALGAM** bulb has been used which allows most effective UV-C radiation. Max. operating pressure for both models are 3 bars.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Master Blaster MB3 Device, 3x325 Watt, 150 m ³ /h	06MB3	22500,00	1		
● Master Blaster MB6 Device, 6x325 Watt, 300 m ³ /h	06MB6	28850,00	1		

Devices below are designed for Public Pools, Ponds, Drinking Water and Industrial Applications. Made of reactor flanged HDPE. Devices includes high performance 325 Watt AMALGAM bulbs, electronic ballasts, alarm indicator light, and 254 nanometer UV sensors. All electronic components are in another control panel. The connection diameter is Ø140 mm. Amalgam bulbs are resistant to change in temperature and each of them has 110.000 microwatt UV-C radiation power. These bulbs are the most effective and the most powerful bulbs in the market. Manufacture of the device for special requirements is possible. **THIS IS A NO STOCK ITEM. AVAILABILITY UPON REQUEST.**



Technic Specifications	MB3x325	MB6x325
Max. Flow Rate (m ³ /h)	150	300
μW/cm ² 1 meter distance	40	40
Bulb Type	3 x 325 Watt	6 x 325 Watt
Height (cm)	1800	1800
Body Diameter (mm)	315	315
Connection Diameter (mm)	140	140
Bulb Lifespan (h)	12.000	12.000



Ultraviolet UV-C Disinfection Systems

This UV-C device is designed for Water Tanks. It's complete with 10 meters cable and installation kit. In case of any problem of installation to wall, it can be placed freely into water tank. It is resistant to sea water.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• UV-C Device, For Water Tanks	06C100120	269,00	1		
• UV-C Device, installation is included in the price					

Technic Specifications	B714404039581
Diameter (mm)	35
Length (cm)	80
Electronic Ballast	230V AC 50/60Hz
Max. Current (Amp)	0,57
Bulb Power (Watt)	75
Wave Length	253,7
Bulb Voltage (V)	97
Bulb Current (Amp)	0,80
UV-C 100h output (W)	25
$\mu\text{W}/\text{cm}^2$ 1 meter distance	230
Bulb Type	Van Erp UV-C Budget 75 Watt
Weigh (Kg)	2
Package Size (mm)	70 x 220 x 840



Ozone Generators - CORONA DISCHARGE

GEMAS HYDROZONE Corona Discharge Ozone Generators. The ozone generated is vacuumed and introduced to the system by injector. Operates with free air suction. Complete with the injector with by-pass valve water trap and flow meter (see.pg 152). Installation of static mixer is recommended. (see.pg 152).

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• HOZ CD-05, 5 gr/h	06421	1730,00	1		
• HOZ CD-15, 15 gr/h*	06424	1730,00	1		
• HOZ CD-08, 8 gr/h	06451	5120,00	1		
• HOZ CD-25, 25 gr/h*	06452	5120,00	1		

(* Must be installed with oxygen concentrator.)

GEMAS HYDROZONE Corona Discharge Compact Ozone Systems. 5 g/h capacity, complete with jet pump, automatic gas discharge valve, PVC contact tank, deozoneation active carbon tank, injector, PVC water trap tank, PVC base and column. Complete with necessary mechanical and electrical installation. It can be use with oxygen concentrator.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• HOZ CD-05, 5gr/h Compact Unit	06421C	5985,00	1		

GEMAS HYDROZONE Corona Discharge COMPACT Ozone Systems. For 10 gr/h and higher models must be installed with; oxygen concentrator, ozone resistant deozoneation contact tank, automatic gas discharge valve and excessive ozone-destructive filter. Below you can see the package systems that are easy to install existing pools. Required amount of quartz sand, and automatic pH and ORP control systems are included in the package price.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• HOZ CDP-10, 10 gr/h-2" connection	06424P	8650,00	1		
• HOZ CDP-20, 20 gr/h-2" connection	06425P	14864,00	1		
• HOZ CDP-50, 50 gr/h-3" connection	06427P	24875,00	1		

Please ask price for larger capacities.

Oxygen Concentrator

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 l/h (for 5 - 20 gr/h devices)	064201	1496,00	1		
• 10 l/h (for 50 gr/h devices)	064203	3975,00	1		

Ozone Injectors

Ozone Injectors. The ozone generated is vacuumed and introduced to the system by injector. Operates with free air suction. **Complete with the injector with by-pass valve and water trap.** It is made of PVDF materials and resistant to all kinds of chemicals.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Venture-3/4"-1/4", center 1-3 m ³ /h	06441	73,00	1		
• Venture-1"-1/2", center 3-10 m ³ /h	06442	110,00	1		
• Venture-1 1/4"-1/2", center 10-25 m ³ /h	06443	248,00	1		
• Venture-2"-1/4", center 30-50 m ³ /h	06444	376,00	1		



06421

NEW !



06421C



Ozone Generators - CORONA DISCHARGE

NEW!



WATER TRAP
(Pls. see 147)

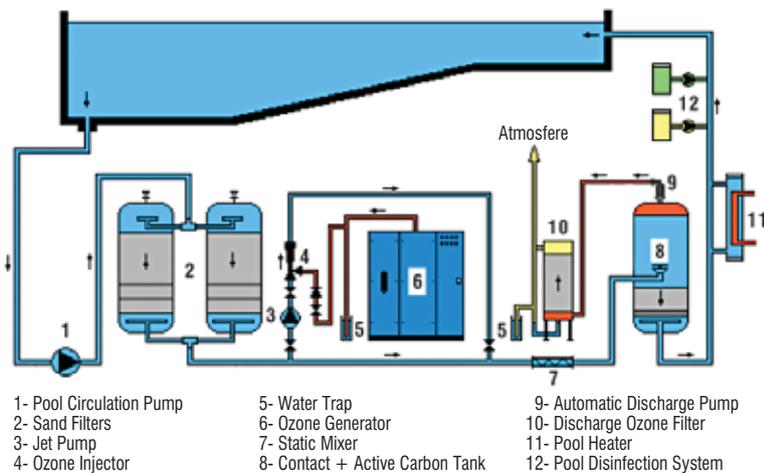


STATIC MIXER
(Pls. see 147)

Ozone Capacity (g/h)	Pool Flow Rate (m ³ /h)		Recommended Pool Volume (m ³)		Contact + Deoxygenation Tank Diameter Ø (mm) - h (mm)
	Partial Flow	Full Flow	Partial Flow	Full Flow	
15	75	15	375	75	Ø 615 - 1550
25	150	25	750	150	Ø 1250 - 2500
40	200	40	1000	200	Ø 1400 - 2500
50	250	50	1250	250	Ø 1400 - 2500
(Average Circ Time: 5 Hrs.)					

PS: Above values must increase %10 for indoor pools.

Full flow ozone system: with contact and deoxygenation tank

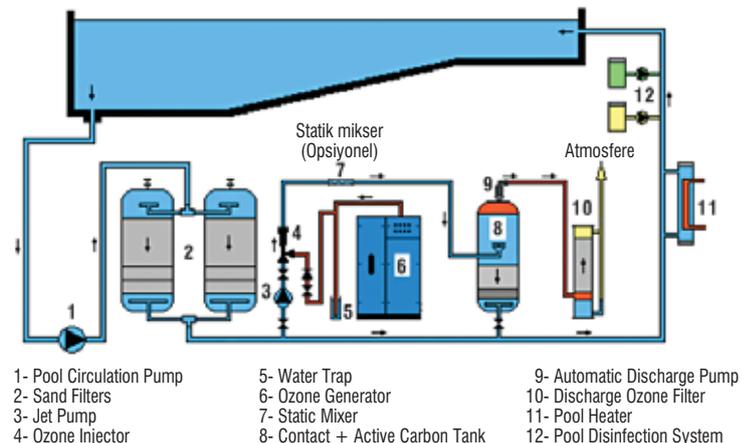


OZONE DOSAGE:

UP to 32°C:	0,8 g/m ³ per system flow (For middle busy pool)
	1,0 g/m ³ per system flow (For busy pool)
Above 32°C:	1,2 g/m ³ per system flow (For middle busy pool)
	1,5 g/m ³ per system flow (For busy pool)
Ozone Contact Time:	2 min.
Active Carbon Dept:	Min. 500 mm

Partial flow ozone system: with contact and deoxygenation tank

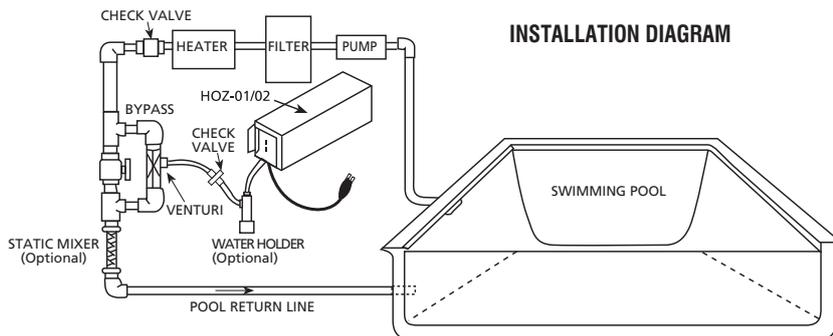
Partial Flowrate:	%20 of Total Flowrate
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Ozone Generators with UV Method

GEMAS HYDROZONE OZONE GENERATOR (With UV Method). The ozone generated is vacuumed and introduced to the system by venturi. Complete with venturi + by-pass valve. Can be easily installed in existing swimming pools. Recommended for residential pools.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• HOZ-01, up to 90 m ³ - 0,248 g/h	06411	900,00	1	13,000	0,051
• HOZ-02, up to 150 m ³ - 0,437 g/h	06412	1130,00	1	14,000	0,051



UV-Ozone Spare Bulb For GEMAS HYDROZONE Ozone Generator.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	064101	220,00	1	0,616	0,003

Water Trap for Ozone Generator. Prevents back flow of water to the device when the system is shut down.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	064102	117,00	1		
•	064103	42,00	1		

Static Mixer. Provides evenly diffusion of ozone in water flow.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2"	0641031	413,00	1		
• 2"	0641032	482,00	1		
• 2 1/2"	0641033	757,00	1		
• 3"	0641034	963,00	1		

GEMAS CORONA Ozone Discharge Valve. Ozone resistant.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1/2", 316 Inox Floater	0641041	612,00	1	0,616	0,003



064102

064103



NEW !

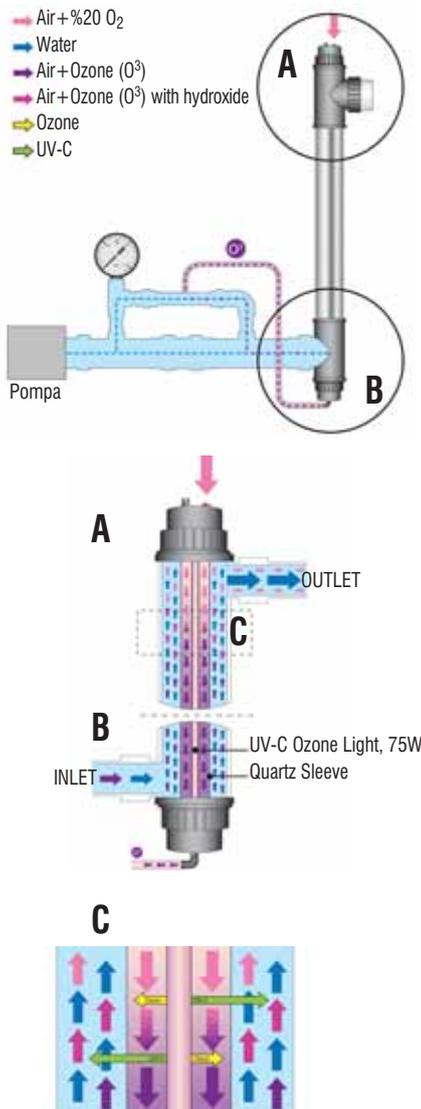


Ozone + Ultraviolet Combined Disinfection Systems



With the Ozone + UV Device; ozone generated inside special wave length UV bulb is vacuumed and introduced to the system by injector and transferred into pool circulation. On the other hand, it can execute the disinfection process by direct radiation to pool water from the same ozone bulb's quartz housing. Devices is complete with the bypass valve and injector. It can easily be installed into existing pool installations. Device body is 316L stainless steel. It has timer, and gives signal when bulb's lifespan is over. Bulb power is 75 Watt, radiation power is 25 Watt, and Ozone output is 0,6 g/h. The recommended pool capacity by the manufacturer is 75 m³. It can reduce the chlorine usage up to %90. Ozone helps destroying sun cream, cosmetics, urine, and sweat in the water. After these process UV-C exposed pool water eliminates the residual ozone through disinfection.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Ozone + UV-C Device	06B200005	1348,00	1	7,700	



Technic Specifications	B200005
Pool Volume (m ³)	75
Max. Flow Rate (m ³ /h)	25
Max. Working Pressure (bar)	2
Diameter (mm)	72
Length (cm)	100
Outlet Diameter (mm)	63
Stainless Steel	316L
Electronic Ballast	230V AC 50/60Hz
Max. Current (Amp)	0,57
Bulb Power (W)	75
Wave Length (nm)	253,7
Bulb Voltage (V)	97
Bulb Current (Amp)	0,80
UV-C 100 h outlet (W)	25
μW/cm ² 1 meter distance	144
Bulb Type	Van Ero Ozone lamp 75 Watt
Ozone	Exist - 0,6 gr/h
Setting Time	Exist
Bulb Change Warning	Exist
Chemical Usage Decrease	%90
Weigh (Kg)	7,7
Package Size (mm)	370 x 130 x 1110

Copper Ionization System

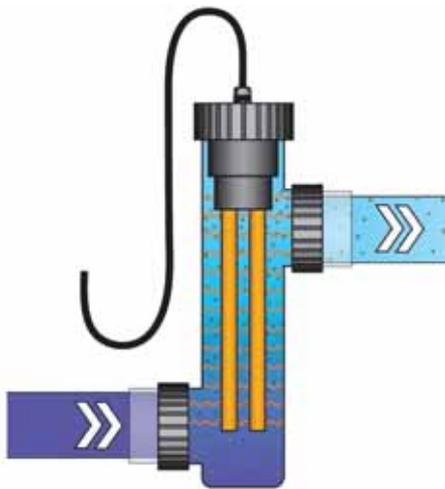
It's for private pools. It controls the bacteria and algae formation. It also provides an active flocculation by releasing positive charged ions to pool water. It can reduce the use of chlorine and other chemicals up to %80.

Operates with copper electrolysis system. Best method of utilizing the device is operating with UV-C device. Should be installed after pool filter. Device constantly supplies copper ions into water. +2 charged copper ions kill bacteria, algae and other primitive organisms by destroying their cell walls. Fortnightly, the copper concentration is measured with tool supplied with the device. Thus, 0,7 ppm copper concentration continuity is provided. Ionization amount is controlled with the electronic control device. The device is ideal up to 75 m³ private pools.

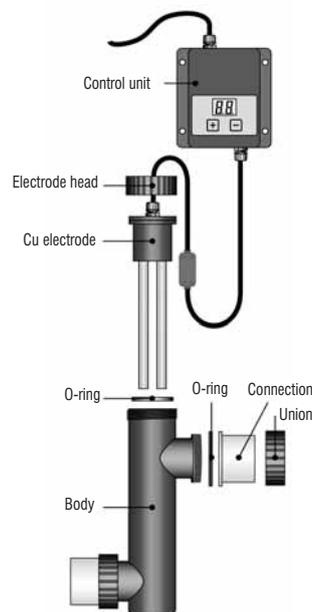
Copper ionization system comfortably and effectively substitutes the algeacides and flocculent chemical agents in the existing pools.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Copper Ionization System	06B210027	470,00	1	2,320	



Technic Specifications	B210027
Pool Volume (m ³)	70
Max. Flow Rate (m ³ /h)	20
Max. Working Pressure (bar)	1
Diameter (mm)	59
Length (cm)	34
Outlet Diameter (mm)	48/50
Electronic Ballast	230V AC 50/60Hz
Max. Current (Amp)	0,1
Wave Length (nm)	Var - 0,7 ppm
Chemical Usage Decrease	%80
Weigh (Kg)	2,32
Package Size (mm)	260 x 110 x 550



Copper Ionization + UV Combined Disinfection System

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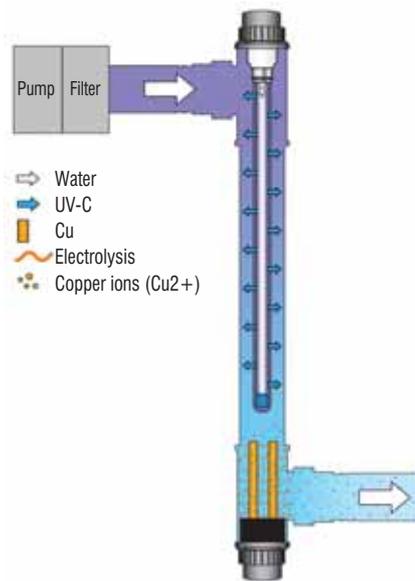


It's for private pools. It can completely eliminate the need of chlorine. It provides the disinfection %80 with UV-C and %20 through copper ionization. It controls the bacteria and algae formation in the water. It also provides an active flocculation by releasing positive charged ions to pool water .

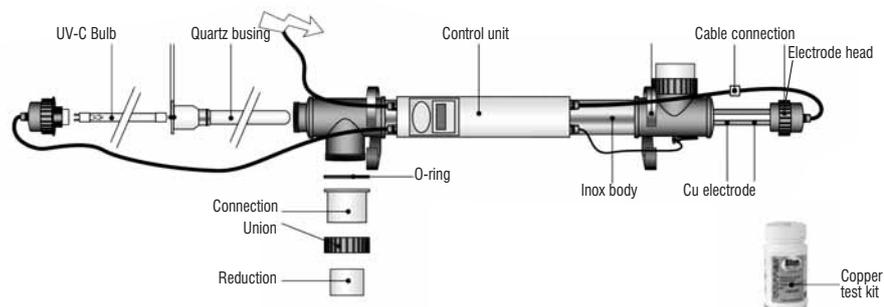
Copper electrolysis + UV-C works combined. 253,7 mm wave length UV lights are highly effective on bacteria and viruses. 316L stainless steel body provides +%35 better radiation. The chloric buffer function in UV + Chlори combination is done by copper ions. In system, it's installed after filter. The device constantly supplies copper ions into water. +2 charged copper ions kill bacteria, algae and other primitive organisms by destroying their cell walls. Fortnightly, the copper concentration is measured with tool supplied with the device. Thus, **0,7 ppm** copper concentration continuity is provided. Ionization amount is controlled with the electronic control device. The device is ideal up to 70 m³ private pools.

Copper ionization system comfortably and effectively substitutes the algecides and flocculent chemical agents in the existing pools.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Copper Ionization + UV-C Device	06B200003	1406,00	1	6,000	



Technic Specifications	B200003
Pool Volume (m ³)	70
Max. Flow Rate (m ³ /h)	25
Max. Working Pressure (bar)	2
Diameter (mm)	72
Length (cm)	100
Outlet Diameter (mm)	63-50
Stainless Steel	316L
Electronic Ballast	230V AC 50/60Hz
Max. Current (Amp)	0,57
Bulb Power (W)	75
Wave Length (nm)	253,7
Bulb Voltage (V)	97
Bulb Current (Amp)	0,80
UV-C 100 h outlet (W)	25
μW/cm ² 1 meter distance	230
Bulb Type	Blue Lagoon UV-C 75 Wat
Copper Ionization	Exist - 0,7 gr/h
Bulb Change Warning	Exist
Chemical Usage Decrease	%100
Weigh (Kg)	6
Package Size (mm)	280 x 150 x 1010



Floating - Solar Copper Ionization System

Solar Clear, Copper + Zinc Alloyed Ionization System.

Works with solar battery. Max pool volume 120 m³. Decreases the chlorine or equivalent oxidation disinfection requirement approximately 80%. It can be used with UV and/or Dechloramin for Chlorine-Free applications in residential pools. It should not be used in liner/membrane pools due to Coppers dispersing agent impact on synthetic materials. It's not obliged to use flocculant or algicide, because Copper having positive effect on algae and flocculation. On the high degrees of water hardness, the product will act as a softening agent as it collects lime on its anode. But the anode must be cleaned periodically with wire brush inside the package.

Complete with wire brush and strip copper test device.

Ideal copper concentration is 0,5 ppm. Permanently use necessary on above 70 m³ pool but it can be used halftime on smaller pools. Min. Copper concentration must be 0,3 ppm. Electrode lifetime can be change by use approximately 12 to 24 months.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● SOLAR CLEAR	0601	780	1		

Solar Copper Ionization System Spares

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Anode	0601Y01	220,00	1		
● Filter	0601Y02	30,00	1		
● Screw	0601Y03	5,50	1		
● Stripe Copper Test Kit	0834	25,00	1		
● Wire Brush	0601Y04	14,00	1		

Dechloramin use recommended with SOLAR CLEAR

“**DECHLORAMIN**”. Granulated active oxygen compound for chloramine destruction. After shocking, the pool can be used by bathers within a very short time. Alternative to the required small amount of chlorine in ozone pools.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 1 kg	07611	16,50	1	1,000	0,002
● 5 kg	07612	78,00	1	5,000	0,009
● 10 kg	07613	150,00	1	10,000	0,023

DECHLORAMIN	Non-chlorine Shock Treatment Agent	For Clarifying Pool Water	100 gr/week to 10 m ³ pool water (Residential pool)
			150 gr/week to 10 m ³ pool water (Public pool)

NEW !

CE



NEW !

CE





POOL CHEMISTRY

GEMAS



07 Pool Chemicals

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08 Test Kits

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Water Disinfection

“FASTCHLOR” Stabilized Dichlorine Granular, 56%. Quick dissolving stabilized granular dichlorine with 56% or 60% chlorine content.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 kg	071111	28,00	1	5,000	0,009
• 10 kg	071112	52,00	1	10,000	0,023
• 15 kg	071113	76,00	1	15,000	0,034
• 25 kg	071116	118,00	1	25,000	
• 30 kg	071114	142,00	1	30,000	0,056
• 50 kg	071115	228,00	1	50,000	0,082

“FASTCHLOR 100” Stabilized Trichlorine Granular, 90%. Slow dissolving stabilized granular trichlorine with 90% chlorine content.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 kg	071131	31,00	1	5,000	0,009
• 10 kg	071132	60,00	1	10,000	0,023
• 15 kg	071133	86,00	1	15,000	0,034
• 25 kg	071136	144,00	1	25,000	
• 30 kg	071134	173,00	1	30,000	0,056
• 50 kg	071135	275,00	1	50,000	0,082

“TABCHLOR” Stabilized Trichlorine Tablet, 200 gr 90%. Slow dissolving stabilized trichlorine with 90% chlorine content in 200 gr tablet form.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 kg	0712311	35,00	1	5,000	0,009
• 10 kg	0712312	67,00	1	10,000	0,023
• 15 kg	0712313	97,00	1	15,000	0,034
• 20 kg	0712314	133,00	1	20,000	0,034
• 50 kg	0712315	314,00	1	50,000	0,082

“TABCHLOR-Multi” Stabilized Trichlorine Tablet, 200 gr. Slow dissolving stabilized Trichlorine. Algicide and flocculant.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 kg	0714241	38,00	1		
• 15 kg	0714242	110,00	1		
• 50 kg	0714243	347,00	1		

Water Disinfection

“BROMINE TABLET”

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 kg	071251	103,00	1	5,000	0,010
• 10 kg	071253	206,00	1	10,000	
• 15 kg	071254	300,00	1	15,000	
• 50 kg	071252	969,00	1	50,000	

“CALCIUM HYPOCHLORITE”. In granular form with 65% active chlorine content.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 kg	071121	12,50	1	1,000	
• 5 kg	071122	44,00	1	5,000	0,009
• 10 kg	071123	84,00	1	10,000	0,023
• 45 kg	071124	349,00	1	45,000	0,056

“CALCIUM HYPOCHLORITE 65% TABLET”, 20 gr.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 kg	071221	16,50	1	1,000	
• 5 kg	071222	62,00	1	5,000	0,009
• 10 kg	071223	118,00	1	10,000	0,023
• 45 kg	071224	492,00	1	45,000	0,056

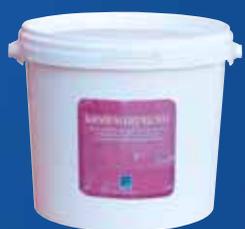
“FASTCHLOR L”. Sodium hypochlorite with 12% active chlorine content.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 10 l	071311	15,50	1	10,000	0,023
• 20 l	071313	21,00	1	20,000	0,030
• 25 l	071314	25,00	1	25,000	0,033
• 30 l	071312	28,00	1	30,000	0,036

CHLORSTAB isocyanuric acid - chlorine stabilizer. It can be used with FASTCHLOR L, Calcium Hypochloride and Salt-Water Chlorinators. **Reduces chlorine usage at least %100.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 kg	075391	37,00	1	5,000	0,010
• 10 kg	075392	72,00	1	10,000	
• 20 kg	075393	143,00	1	20,000	

CHLORSTAB	Isocyanuric acid	Chlorine Stabilizer	5 kg first dose for 100 m ³ pool water Following doses according to test results max. 100 ppm
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NEW !



Non-Chlorine Shock Treatment



“**DECHLORAMIN**”. Granulated active oxygen compound for chloramine destruction. After shocking, the pool can be used by bathers within a very short time. Alternative to the required small amount of chlorine in ozone pools.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 kg	07611	16,50	1	1,000	0,002
• 5 kg	07612	78,00	1	5,000	0,009
• 10 kg	07613	150,00	1	10,000	0,023

pH Regulators



“**pH (-) DOWN**”. Granular acid to reduce and stabilize pH level.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 7 kg	072111	15,00	1	7,000	0,023
• 15 kg	072112	30,00	1	15,000	0,034
• 25 kg	072113	50,00	1	25,000	0,056
• 50 kg	072114	100,00	1	50,000	0,082



“**pH (-) DOWN - L**”. Liquid acid to reduce and stabilize pH level.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 10 l	072121	15,50	1	10,000	0,013
• 20 l	072123	21,00	1	20,000	0,025
• 25 l	072124	25,00	1	25,000	0,033
• 30 l	072122	28,00	1	30,000	0,036



“**pH (+) UP**”. Alkaline in powder form to increase and stabilize pH level.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 4 kg	072211	10,50	1	4,000	0,009
• 10 kg	072212	25,00	1	10,000	0,023

Algicides

“**ALGEX**”. Liquid Algicide and bactericide for destruction of algae.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 l	073111	21,00	1	5,000	0,006
• 10 l	073112	40,00	1	10,000	0,013
• 20 l	073114	55,00	1	20,000	0,025
• 30 l	073113	77,00	1	30,000	0,036

“**ALGEX JET**”. Foamless-Liquid Algicide and bactericide for destruction of algae.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 l	073211	50,00	1	5,000	0,006
• 10 l	073212	89,00	1	10,000	0,013
• 20 l	073214	129,00	1	20,000	0,025
• 30 l	073213	194,00	1	30,000	0,036

“**ALGEX PROTECTOR**”. Liquid Algicide and bactericide against algae growth.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 l	073311	15,50	1	5,000	0,006
• 10 l	073312	25,00	1	10,000	0,013
• 20 l	073314	48,00	1	20,000	0,025
• 30 l	073313	68,00	1	30,000	0,036

A BRAND NEW KIND OF ALGICIDE

“**STARVEX**” **Anti Phosphate**. Starvex is an ECO-friendly chemical which vanishes algae chain by binding and destructing the phosphate in the water. It does not blur the water. It can be used with all pool chemicals. **USED DOSAGES ARE VERY LOW**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 kg	075381	155,00	1	5,000	
• 10 kg	075382	304,00	1	10,000	
• 20 kg	075383	609,00	1	20,000	
• 30 kg	075384	908,00	1	30,000	

For Phosphate Test Kit, Please see Test Kits Section.

STARVEX	Liquid	Algicide	1 l dose for 50 m ³ pool water. 0,5 l dose in following weeks.
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NEW!



Flocculant

“PUREFLOCK L”. Highly Effective Liquid Flocculant.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 l	07411	10,50	1	5,000	0,006
• 10 l	07422	21,00	1	10,000	0,013
• 20 l	07424	40,00	1	20,000	0,025
• 30 l	07423	60,00	1	30,000	0,036

“PUREFLOCK C”. Cartridge Flocculant for continuous clarifying treatment.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• One box containing 8 cartridges	07421	21,00	1	1,290	0,020

“ACTIVE FLOCK” Liquid. Floating particles in the pool water are caught by the sand filter. No sediments on the pool bottom.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 l	074241	10,50	1	5,000	0,006
• 10 l	074242	21,00	1	10,000	0,013
• 20 l	074243	40,00	1	20,000	0,025
• 30 l	074244	60,00	1	30,000	0,036

NEW!



“MIRACLEAR” Super Shock Clarifier. It enables the suspended particulars in the pool water to be held inside the filter. Miraclear does not make sediment on the floor of the pool. Single dose in every 3 or 4 week is enough. It's a fast and an effective for solution to cloudy pools.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 kg	075371	80,00	1		
• 10 kg	075372	160,00	1		
• 20 kg	075373	317,00	1		
• 30 kg	075374	470,00	1		

MIRACLEAR	Liquid	Flocculant-Clarifier	1 l first dose for 100 m ³ pool water. Same dose in following 3-4 week.
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Filter Care

“CALCEX FILTER”. Descaling and cleansing agent for periodical maintenance of sand filters.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 kg	07521	8,30	1	1,000	0,002
• 4 kg	07522	27,00	1	4,000	0,009
• 10 kg	07523	45,00	1	10,000	0,023

Prevention of Lime Sedimentation in Hard Pool Waters

“CALSTAB”. Stabilizes hardness prevents scaling on pool surfaces.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 l	07551	36,00	1	5,000	0,006
• 10 l	07552	68,00	1	10,000	0,013
• 30 l	07553	197,00	1	30,000	0,036

Pool Surface Cleaning

“HYDRO-CHLORIC ACID”. %30 concentration.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 20 kg	075361	20,00	1	20,000	0,030
• 25 kg	075362	24,00	1	25,000	0,033

“CALCEX POOL”. Descaling cleaner to eliminate calcium deposits on the pool basin.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 l	075311	5,70	1	1,000	
• 5 l	075312	17,50	1	5,000	0,006

“SOOT-OFF”. Cleaner for removing grease and dirt at the water rim.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 l	075321	6,70	1	1,000	
• 5 l	075322	15,50	1	5,000	0,006

“RUST-OFF” Rust remover.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 l	075331	5,70	1	1,000	0,001
• 5 l	075332	17,50	1	5,000	0,006

“CLEAN GROUTING” Grouting cleaner.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 l	075341	5,70	1	1,000	0,001
• 5 l	075342	17,50	1	5,000	0,006

“MORTAR-OFF” Mortar cleaner.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 l	075351	5,70	1	1,000	0,001
• 5 l	075352	17,50	1	5,000	0,006





Winter Care

“POOLWIC”. For Winter Care against algae growth and calcium deposits.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 l	07511	21,00	1	5,000	0,006
• 10 l	07512	40,00	1	10,000	0,013

GEMAS POOL CHEMICALS DOSING INSTRUCTIONS

PRODUCT	DESCRIPTION	FUNCTION	DOSAGE
FASTCHLOR	Stabilized Granular Dichlorine	Disinfection	0,5 kg/day for 100 m ³ pool water (public pools) 0,5 kg/week for 100 m ³ pool water (residential pools)
		Shocking	0,6-1 kg/15day for 100 m ³ pool water (public pools) 0,6-1 kg/month for 100 m ³ pool water (residential pools)
FASTCHLOR 100	Stabilized Granular Trichlorine	Disinfection	0,35 kg/day for 100 m ³ pool water (public pools) 0,35 kg/week for 100 m ³ pool water (residential pools)
TABCHLOR 200 gr	Stabilized Trichlorine Tablet	Disinfection	1 Tablet for 30 m ³ pool water (once 10-12 days)
TABCHLOR 20 gr			10 Tablet for 30 m ³ pool water (once 10-12 days)
TABCHLOR-Multi 200 gr			1 Tablet for 30 m ³ pool water (once 10-12 days)
BROMINE	Bromine Tablet	Disinfection	400 gr/week for 30 m ³ pool water
CALCIUM HYPOCHLORITE	%65 Granular/Tablet		200 gr/day for 100 m ³ pool water
FASTCHLOR L	Sodium Hypochlorite %12		2,5-5 liters/day for 100 m ³ pool water
DECHLORAMIN	Non-chlorine Shock Treatment Agent	For clarifying pool water	100 gr/week for 10 m ³ pool water (residential pools)
			150 gr/week for 10 m ³ pool water (public pools)
pH (-) DOWN	Granular	pH Down	1 kg for 100 m ³ pool water decreases pH by 0,1 unit
pH (-) DOWN L	Liquid		1 liter for 100 m ³ pool water decreases pH by 1 unit
pH (+) UP	Granular		pH Up
ALGEX	Liquid	Algicide	First dosage of 1,5 liters. Weekly dosage of 0,5 liter afterwards (outdoor pool)
			First dosage of 1,5 liters. Weekly dosage of 0,3 liter afterwards (indoor pool)
ALGEX PROTECTOR	Liquid	Algae Protector	First dosage of 1,5 liters. Weekly dosage of 0,5 liter afterwards (outdoor pool)
ALGEX JET	Foamless	Algicide	First dosage of 1,5 liters. Weekly dosage of 0,3 liter afterwards (indoor pool)
STARVEX	Sivi	Algicide	1 l dose for 50 m ³ pool water. 0,5 l dose in following weeks.
PUREFLOCK L	Liquid	Flocculant	30-200 ml/day for 100 m ³ pool water
PUREFLOCK C	Cartridge	Flocculant	1 cartridge/5-7 days for 60 m ³ pool water
ACTIVE FLOCK	Liquid	Polisher	100 m ³ pool water 30-200 ml/day
MIRACLEAR	Sivi	Super Shock Clarifier	1 l first dose for 100 m ³ pool water. Same dose in following 3-4 week.
CALCEX FILTER		Anti Calcification	1 kg/15-30 days for each m ³ of filter volume
CALSTAB		Hardness Stabilization	100-400 ml for 10 m ³ pool water.
CALCEX POOL		Descaling Cleaner on Surface	Can be diluted at ratio of 1/5 or 1/10. Should be waited maximum 15 minutes.
SOOT-OFF		Grease and dirt remover	Can be diluted at ratio of 1/5 or 1/10.
MYCONEX		Anti-fungae Disinfectant	Can be diluted at ratio of 1% for surface disinfection, at ratio of 0,5% for feet disinfection.
POOLWIC		Winter Care Product	3 - 5 liter (According to hardness) to 100 m ³ pool Re-dose in 2 months.
CHLORSTAB	izosiyaniirik Asit	Klor Stabilizatörü	5 kg first dose for 100 m ³ pool water. Following doses according to test results max. 100 ppm

Test Kits with Liquid Reagents

TEST KIT FOR CHLORINE AND pH WITH LIQUID REAGENTS. Complete with 25 cc OTO and PHENOL RED Liquid reagents

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 25 cc OTO and PHENOL RED	08211	8,60	1	0,170	

LIQUID REAGENTS

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• CHLORINE OTO - 25 cc	082111	2,10	1	0,028	0,000
• PHENOL RED - 25 cc	082112	2,10	1	0,028	0,000

TOTAL HARDNESS TEST KIT. By titration method.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	08221	10,00	7	1,120	0,006

Test Kits with Tablet Reagents

TEST KIT FOR CHLORINE/BROMINE, pH & ALKALINITY

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PT 500	08131	19,00		0,160	0,0004

TEST KIT WITH TABLETS. For Free Chlorine and pH. Includes 20 pieces of test agents.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	08111	12,00	10	0,160	0,0004

CYANURIC ACID TEST KIT. Complete with reagents for 100 tests and special apparatus.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	08121	25,00			

Stick Test Kits

AQUACHECK "TRUTEST" STICK DIGITAL TEST KIT. Indicates pH, Free Chlorine and Total Alkalinity. AQUACHECK TRUTEST test sticks are put on the device after dipped into the pool water. Any false measurement because of eye misapprehension and scale differences are prevented. Works with 2 alkaline batteries. On the left of the screen, a notification of optimality of the values is available. Memorizes last 9 measures. To get the bromine level, the chlorine level needs to be multiplied by 2,2.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• AQUACHECK TRUTEST	0841	119,00	1	0,236	0,0018
• AQUACHECK TRUTEST Spare Test Sticks 25 pcs	08411	19,00	1	0,042	0,0008



Stick Test Kits



AQUACHECK "YELLOW" STICK TEST KITS. Indicates pH, Free Chlorine, Total Alkalinity and Cyanuric Acid Level. Colormetric based measure system. Includes 50 pieces of test sticks.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• AQUACHECK YELLOW - For 50 Tests	0831	13,00	1	0,050	0,0008



AQUACHECK "GREEN" STICK TEST KIT. Indicates the level of cyanuric acid. Colormetric based measurement system. Includes 25 pieces of test sticks.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• AQUACHECK GREEN	0832	17,00	1		



AQUACHECK "ORANGE" STICK TEST KIT. Indicates total Hardness. Colormetric based measure system. Includes 25 pieces of test sticks.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• AQUACHECK ORANGE	0833	23,00	1	0,022	0,0001
• Copper Test Kit, with Strip	0834	23,00	1		



NEW !

POOL ID STRIP SALINITY TEST KIT. It measures salinity between 0 - 7000 ppm. There are 20 pieces of test strips in the box.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• SALINITY TEST KIT	0835	10,60	1		

Test Kits With Disc Comparator

With 5 in 1 kit, Free chlorine, pH, total alkalinity, total hardness and cyanuric acid are measured. The result is given by comparing the sample color with color disc. Complete with all agents, sample tubes and carrier bag.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 5 in 1 Test Kit , with disc comparator	0850	280,00	1		
• Phosphate Test Kit, with disc comparator	0851	126,00	1		



Test Kit - 5 Parameter



Phosphate Test Kit



Photometer Test Kits

“PRIMELAB” Multitest. Photometric test kit. Options with 5 in 1 kit which measures Total/Combined Chlorine, pH, Alkalinity, Total Hardness and Cyanuric Acid. Pro kit includes parameters Total/Combined Chlorine, Bromine, pH, Alkalinity, Cyanuric Acid, Ammonify, Nitrite, Nitrat, Copper, Aluminium, Hidrogen Peroxide, Biguanide, Color and Turbidity). Complete with all necessary agents calibration and measurement equipment and carrier case. For spare part agent prices, please see page 164. It can be connected via bluetooth to smartphones, tablets and PCs. The necessary chemical dosages and comments to the test results are given as suggestions with the help of software or application.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Primelab 5 in 1 Kit	0848	1753,00	1		
● Primelab Pro Kit	0849	3341,00	1		
● Parameter Addition	0843	PLS. ASK PRICE			

NEW !



Photometer Tablet Agents

(Below spare agents for 250 pieces packages)

Description	Code	List Price Euro
● TABLET REAGENTS		
● Alkalinity - M		
● Chlorine - DPD1		
● Chlorine - DPD3		
● Cyanuric Acid		
● Calcium Hardness		
● pH - Phenol Red		
● Aluminium - No:1		
● Aluminium - No:2		
● Ammonia - No:1		
● Ammonia - No:2		
● Bromine - DPD1		
● Bromine - Glycine		
● Copper - No:1		
● Copper - No:2		
● Nitrite		
● Ozone - DPD1		
● Ozone - DPD2		
● Ozone - DPD3		
● PHMB		
● Chloramine DPD1		
● Chloramine DPD2		
● Chloramine DPD3		
● Chloride - No:1		
● Chloride - No:2		
● Chlor dioxide - DPD1		

Description	Code	List Price Euro
● Chlor dioxide - Glycine		
● Total Hardness		
● Iron		
● Phosphate - No:1		
● Phosphate - No:2		
● Sodium Hypochloride 1		
● Sodium Hypochloride 2		
● Sulphate		
● Urea - Amonia No:1		
● Urea - Amonia No:2		
● Zinc - Copper Zinc		
● Zinc - EDTA		
● LIQUID REAGENTS		
● Hydrogen Peroxide - No:1		
● Hydrogen Peroxide - No:2		
● Nitrate - No:1		
● Nitrate - No:2		
● Chlorine - No:1		
● Chlorine - No:2		
● Chlorine - No:3		
● Iron - No:1		
● Iron - No:2		
● pH		
● Urea - No:3		
● Urea - No:4		

Spare Tablet Agents

DPD1 FREE CHLORINE REAGENT. (1 Folio includes 10 tablets)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• DPD1 – Folio	081111	1,25	50	0,128	0,001
• Box inc. 500 pcs	0811111	45,00	1	0,170	0,0009
• Box inc. 1000 pcs..	08111112	85,00	1		

PHENOL RED REAGENT. (1 Folio includes 10 tablets)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Phenol Red – Folio	081112	1,25	50	0,128	0,001
• Box inc. 500 pcs	0811121	53,00	1		
• Box inc. 1000 pcs..	0811122	99,00	1		

DPD3 DEPENDENT CHLORINE AGENT. (1 Folio includes 10 tablets)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• DPD3 – Folio	081113	1,88	50	0,128	0,001
• Box inc. 500 pcs	0811131	67,00	1	0,170	0,0009
• Box inc. 1000 pcs..	0811132	108,00	1		



POOL CARE



09 Cleaning Equipments 165



10 Heating Equipments 182



“Standard” Automatic Pool Cleaners



DOLPHIN “HYBRID” POOL CLEANERS. Produces its own electricity by using the pool circulation system. Moves all around the pool base with pool scanning system. Provide an efficient cleaning by use of brushes. 8-10 m cleaning cycle time is 1,5 hours. It's complete with skimmer adaptor, 90° elbow, automatic security valve and flowmeter. Warranty for 2 years.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● “HYBRID” Pool Cleaner	091170	755,00	1	8,000	0,070

NEW !



DOLPHIN “E 10” AUTOMATIC POOL CLEANERS. Designed for residential pools up to 8 m, 24 V motor unit and 12 m cable. Lightweighted, easy to carry. Cleaning cycle time 1,5 hours. Automatic program for optimal pool cleaning. With the help of active brush which moves twice times faster than robot, removes the algae and bacteria on the walls and bottom. Easy access and cleaning box-shaped net filter. Warranty for 2 years.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● “E10” Automatic Pool Cleaner	091202	1216,00	1	8,000	0,070

NEW !



DOLPHIN “S200” AUTOMATIC POOL CLEANERS. Designed for residential pools up to 12 m. 24 V motor unit and 18 m cable. Cleaning cycle time 2 hours. Automatic program for optimal pool cleaning. Cleans the pool surface, walls and waterline. During climbing on the walls, it increases the vacuum according to the slipperiness, and prevents to slip down. **With patented POWERSTREAM technology, it has the most effective movement and manoeuvring features.** Active brush which moves twice times faster than robot, removes the algae and bacteria on the walls and bottom. It works with standart cleaning mode with new generation energy saving power unit. Complete with 2 layer filtering system, cartridge filter and net filter for coarse dust. The cartridge filter remains clean much longer due to the 2 layer system. Warranty for 2 years.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● “S200” Automatic Pool Cleaner	091203	1622,00	1		

NEW !



DOLPHIN “S300i” AUTOMATIC POOL CLEANERS. Designed for residential pools up to 12 m. 24 V motor unit and 18 m cable. Cleaning cycle time can be adjustable 1, 1.5, 2 or 2.5 hours. Automatic program for optimal pool cleaning. Cleans the pool surface, walls and waterline. During climbing on the walls, it increases the vacuum according to the slipperiness and prevents to slip down. **With patented POWERSTREAM technology, it has the most effective movement and manoeuvring features.** Active brush which moves twice times faster than robot, removes the algae and bacteria on the walls and bottom. It has different cleaning modes; fast, standard, ultra-clean, floor only and waterline. Weekly timer and delayed start can be adjusted. It separates the debris according to their sizes inside the 2 layer filtering system; net filter for coarse, cartridge filter for finer debris. It can be remote controlled with “Mydolfin” application via smartphones. **Complete with caddy.** Warranty for 2 years.

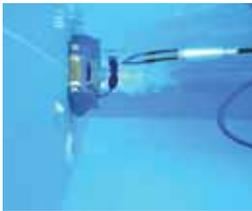
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● “S300i” Automatic Pool Cleaner	091204	2211,00	1		

“Supreme” Automatic Pool Cleaners

DOLPHIN “SUPREME M3” AUTOMATIC POOL CLEANER. 70 microns self filter. 18 m cable. 24 V motor unit, 16 m³/h flow rate. Designed for residential pools up to 12 m. Cleaning cycle time 3 hours. Self-programmed for optimal pool cleaning. Cleans the bottom and the walls. 2 years warranty. **Complete with caddy.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• “SUPREME M3” Auto. Pool Cleaner	091171	1340,00	1		

LIMITED CLIMBING FEATURE WITH “PRO” SERIES.
PS : CLIMBING FEATURE IS OUT OF WARRANTY SCOPE. WHEN CLIMBING FEATURE IS CRITICALLY IMPORTANT, THE LOWEST SUITABLE MODEL IS S200 (SEE PG 166)



DOLPHIN “SUPREME M4” AUTOMATIC POOL CLEANER. 70 microns self-filter, either disposable or permanent. 18 m cable, 24 V motor unit, 16 m³/h flow rate. Designed for residential pools up to 12 m. Cleaning cycle is 3 hours. Self-programmed for optimal pool cleaning. Microprocessor control. Climbs up the pool wall in every 8 minutes. Easy access to the filters from the top. Optional third brush for superior cleaning. Easy-to-change pallets. 3 years warranty. **Complete with caddy.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• “SUPREME M4” Auto. Pool Cleaner	091181	2080,00	1		

NEW “PRO” SERIES WITH DYNAMIC SHAFT SYSTEM (DOUBLE) FOR SUPERIOR MANOUVERING, GYROSCOPE FOR BETTER SCANNING AND REMOTE CONTROL WITH SMARTPHONES WITH MYDOLPHIN APP.

DOLPHIN “SUPREME M5” AUTOMATIC POOL CLEANER. New generation user friendly remote control and power unit. 70 micron cartridge or disposable filter. 18 m cable, 24 V motor, 16 m³/h flow rate. Designed for residential pools up to 12 m. Cleaning cycle time can be set as 2, 3 or 4 hours. Self-programmed for optimal pool cleaning. Microprocessor control. Climbs the walls. Wide range of options for cleaning programme and parameters: cycle time, climbing frequency, standard or ultra cleaning. Warning signal when the filter is blocked. Easy access to the filters from the top. **Standard extra third brush for superior cleaning. Easy-to-change pallets. 3 years warranty. Complete with caddy.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• “SUPREME M5” Auto. Pool Cleaner	091182	2671,00	1	8,000	0,070



Scans the whole pool



Effective cleaning with the third brush



Easy access to the filters from the top



Automatic Pool Cleaners For Special Pools

NEW !



Dolphin “W20” Automatic Pool Cleaners. Designed for 15 cm deep special, decorative and fountain pools cleaning. It scans the pools up to 15 m. Complete with new generation remote control, 70 microns self-filter and user friendly caddy. The patented swivel prevents cable mix and strain. Warranty for 2 years.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	091205	2700,00	1		

NEW !



Dolphin “SUPREME M5 LIBERTY” Automatic Pool Cleaner. Cordless automatic pool cleaner designed for the pools with obstacles/islands inside and up to 15 m length. Complete with low micron cartridge and swivel, new generation remote control, user friendly caddy and battery charge unit. It climbs on the wall up to waterline. It has same specifications with the “SUPREME M5” except the 1, 1.25, 1.5 hours cleaning cycle times.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	091206	4640,00	1		

DOLPHIN “BIO-S” AUTOMATIC POOL/POND CLEANERS. Designed especially for 15 m **Ecologic/ Natural Swimming Pools and Ponds**. 18 m cable, patented swivel technology avoids the harm caused by cable bend. Cleaning cycle time can be selected 2, 3 or 4 hours. Next to 70 micron cartridge filter, there is an additional vacuum line that can connect to filtration system for the accumulation of the extra rough dirt. Thus, while rough dirt such as leaves and mud are kept in a central filter, small size dirt kept in cartridge filter. GEMAS Portable Vacuum Cleaners (see. Pg 178) can provide an effective and automatic cleaning in a pool that has no vacuum line. For better cleaning, standard extra 3rd brush. It's complete with user-friendly remote control and power unit. Warranty for 2 years. Complete with Caddy.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	091211	4800,00	1		

**ALL PALLET
ARE WONDER BRUSH
PRICE INCLUSIVE**



DOLPHIN “2 x 2 PRO GYRO” AUTOMATIC POOL CLEANER. New generation user friendly remote control and power supply. Two 50 micron self filters either disposable or permanent, 40 m cable, 24 V motor unit, 32 m³/h flow rate. Designed for commercial pools up to 60 m. Cleaning cycle time can be selected as 4, 6 or 8 hours. Gyroscope navigation provides precise pool scanning. Different cleaning modes and parameters can be selected for optimal pool cleaning; cycle time, pool length, climbing frequency, regular or ultra cleaning, water line definition. Climbs the pool walls and water lines. Warning signal when filter is blocked. Warranty for 2 years. **Complete with caddy and remote control.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• “2 x 2 PRO GYRO” Auto. Pool Cleaner	091151	9450,00	1	51,150	0,340

Automatic Pool Cleaners For Commercial Pools

DOLPHIN "WAVE 30" AUTOMATIC POOL CLEANERS. Effective pool scanning with double motion axle. 70 micron "permanent" or "disposable" type filters. 18 m cable. 16 m³/h flow rate, 24 V motor. Design for pools up to 15 m. Patented swivel system avoids the harm caused by cable bend. Cleaning cycle time is 3 hours. Climbing frequency is 8 minutes. **Complete with Caddy.** Warranty for 3 years.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	091201	3023,00	1		

DOLPHIN "WAVE 50" AUTOMATIC POOL CLEANERS. Effective pool scanning in 4 hours, with the double motion axle. 70 micron "permanent" or "disposable" type filters. 24 m cable. 16 m³/h flow rate, 24 V motor. Design for pools up to 20 m. Patented swivel system avoids the harm caused by cable bend. Cleaning cycle time is 3 hours. Climbing frequency is 8 minutes. **Complete with Caddy.** Warranty for 3 years.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	091122	3450,00	1		

Note: This robot is identical to Diagnostic 3001 excluding; warranty period and double motion axle, and 3001 sales will remain limited with stocks.

DOLPHIN "WAVE 100" AUTOMATIC POOL CLEANERS. New generation user-friendly remote control and power unit. Effective pool scanning in 4 hours, with the double motion axle. 70 micron "permanent" or "disposable" type filters. 24 m cable. 16 m³/h flow rate, 24 V motor. Design for pools up to 25 m. Patented swivel system avoids the harm caused by cable bend. Cleaning cycle time is 3 hours. Climbing frequency is 8 minutes. **Complete with Caddy.** Warranty for 3 years.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	091142	4900,00	1		

Note: This robot is identical to Diagnostic PROX-2 excluding; warranty period and PROX-2 sales will remain limited with stocks.

Dolphin "WAVE 200" Automatic Pool Cleaner. It provides professional cleaning for pools up to 40 m. It separates the dust inside the water to 3 different sizes and increases filtration area by cycling the water. All filter layers can be separated and used individually. With the help of Man-Machine Interface (MMI), specifications of the pool can be installed and max performance is obtained. With the navigation system, the robot has the most accurate navigating capabilities. Active brushes, prevents the algae and bacteria growth. 40 m³/h flow rate. Geometric design of monoblock brushes, pushes the dirt directly to vacuum holes. The specifications of MMI, navigation system and 4 of different pool memory are identical with Wave 300XL.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	091207	12550,00	1		



3 YEARS WARRANTY



ALL PALLETS ARE WONDER BRUSH PRICE INCLUSIVE

3 YEARS WARRANTY

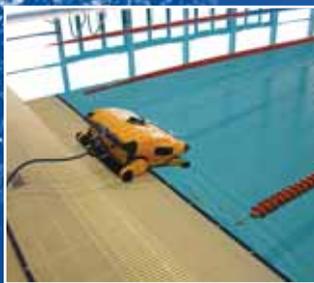


ALL PALLETS ARE WONDER BRUSH PRICE INCLUSIVE

NEW !



Automatic Pool Cleaners for Commercial Pools



Wave 300 XL entrance to pool.



Wave 300 XL can be controlled remotely.

DOLPHIN “WAVE 300 XL” AUTOMATIC POOL CLEANER. 50 micron three different types of filters; standard, coarse and disposable. Complete with caddy, user friendly interactive control panel, and remote control. Designed for commercial pools up to 60 m. scanning guarantee for 100% of the pool with the navigation technology that is used for the first time in automatic pool cleaners. Can memorize four different pools. **2 years of warranty.**

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• “WAVE 300 XL” Auto. Pool Cleaner	091161	18035,00	1	50,000	0,150



Crystal clear pools with the 21st century technology

“Dolphin Wave 300 XL”



Wave 300 XL, is the new generation automatic pool cleaner of MAYTRONICS; world leader in the sector of automatic pool cleaners. Wave 300 XL is designed specifically for the systematic and stable cleaning of the olympic pools as a highly professional robot compared to all other robots in the market.



Dolphin Wave 300 XL



50 microns filter system



Digital control panel



Remote control device

Active Brush System: Hard brushes of polyethylene plastic brushes and rubs the pool and prevents algae and bacteria. Small brushes on the sides reaches to every edge, corner and water line.

Scanning Method: WAVE 300 XL has a navigation brain unique in the market which guarantees 100% scanning.

Filtration: Automatic pool cleaners cleans the pool with their integrated filters. This is an advantage compared to manual cleaners which uses the pool filter, as they cause faster blockage of the filter. This results with more back washing, so more loss of water and chemicals. As all other automatic pool cleaners WAVE 300 XL is environmentally-friendly and economic in this sense. Moreover, with 40 m³/h vacuum rate and 50 micron filter WAVE 300 XL offers you much more than manual cleaning.

MMI: All the control of the robot is realized with the interactive digital interface panel which is called MMI. With this state of the art device you may set all the parameters of the robot, give comment for delayed start up in order to wait for the sedimentation of dirt on the floor, or give comment for automatically going in and out of the water. You may also control the robot manually with the remote control. Although WAVE 300 XL is a heavy duty robot, it is the leading public pool cleaner in the market with the highest performance/cost ratio in the market and with the easiness of its use and maintenance.

Dolphin Robot Cleaners Selection Table

	HYBRID	E 10	S 200	S 300i	SUPREME M3	SUPREME-PRO M4	SUPREME M5	WAVE 30	WAVE 50	WAVE100	2X2 PRO GYRO	DYNAMIC PROX 2 GYRO	W20	SUPREME M5 LIBERTY	BIO-S	WAVE 200	WAVE 300XL
Only Floor	●	●											●			●	●
Walls and Floor		●			●												
Floor, Walls and Water Line			●	●		●	●	●	●	●	●	●		●	●		
Smart Scan	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Extra Brush		●	●	●			●						●	●	●	●	●
Type of Brush	PVC	PVC	PVC	PVC	CB	Wonder Brush	Wonder Brush	CB	Wonder Brush	Wonder Brush	Wonder Brush	Wonder Brush	CB	Wonder Brush	PVC	PVC	PVC
Pool Length	10 m	8 m	12 m	12 m	10 m	12 m	12 m	15 m	20 m	25 m	33 m	25 m	15 m	15 m	15 m	40 m	60 m
Easy Access to Filter		●	●	●		●	●							●	●	●	●
Swivel		●	●	●	●	●	●	●	●	●	●	●			●		
Caddy			●	●		●	●	●	●	●	●	●	●	●	●	●	●
Remote Control				Smart phone		Smart phone	●			●	●	●	●	●	●	●	●
Warranty (Year)	2	2	2	2	2	3	3	3	3	3	2	2	2	3	2	2	2
Cycle Time	1.5	1.5	2	1.5, 2, 2.5	3	2.5	2, 3, 4	3	4	4, 6, 8	4, 6, 8	4, 6, 8	1, 3	1, 1.25, 1.5	2, 3, 4	1 - 8 Options	1 - 8 Options
Period selection						●	●			●	●	●			●	●	●
Standard/Ultra Clean Mod				●			●			●		●			●		
Optional Delay Mode						●	●			●	●	●			●	●	●
Full Filter Alert							●				●	●		●	●	●	●

Automatic Suction Pool Cleaner



GEMAS "S250 AUTOMATIC SUCTION POOL CLEANER". Operates on hydraulic vacuuming principle. Complete with 11 m special hose.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• S250 Automatic Cleaner	09123	160,00	1	6,290	0,069

HOSE FOR GEMAS "S250 AUTOMATIC SUCTION POOL CLEANER". 1 m.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• S250 Hose	09123Y01	15,00	1		

Compact Suction Cleaner - Cartridge Filter



Compact Suction Cleaner. Assembled on a st. steel wheel caddy, complete with cartridge filter, monophase self-priming pump, Poolvac manual cleaner, hose, telescopic pole and checkvalve. Fuse and 18 m cable included. Designed for pools which do not have suction inlet. Can be used as a filtration unit as well.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 11 m ³ /h. - 3/4 HP Pump	093101	1485,00	1		
• 16 m ³ /h. - 1/2 HP Pump	093102	1626,00	1		

Compact Suction Cleaner - Sand Filter



Compact Suction Cleaner. Assembled on a st. steel wheel caddy, complete with sand filter, filtration media, monophase self-priming pump, Poolvac manual cleaner, hose, telescopic pole. Fuse and 18 m cable included. Designed for pools which do not have suction inlet. Can be used as a filtration unit as well. Sand is included in the price.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 6 m ³ /h. Sand Filter-1/2 HP Pump	093103	1636,00	1		

PS. Please ask price for larger capacities.

Manual Pool Cleaners

GEMAS "POOLVAC" Pool Cleaner. For concrete pools. Anodized aluminum body.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• With butterfly nut, 1 1/2"-L=346 mm	092111	33,00	1	2,382	0,012
• With butterfly nut, 1 1/2"-L=456 mm	092112	36,00	1	3,094	0,015
• With clip, 1 1/2"-L=346 mm	092121	30,00	1	2,388	0,012
• With clip, 1 1/2"-L=456 mm	092122	34,00	1	3,220	0,015
• With butterfly nut, 2"-L=456 mm	0921121	36,00	1	3,060	0,015
• With clip, 2"-L=456 mm	0921122	36,00	1	3,128	0,015

GEMAS "FOLD-VAC" Pool Cleaner. For concrete pools. Aluminum body can be folded. Efficient cleaning is provided at pool covers and edges. Each model is 1/2" and 2" connection with clip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Width: 35,5 cm	092211	60,00	1	3,000	0,017
• Width: 45,5 cm	092212	66,00	1	3,500	0,018

GEMAS "POOLKING" Pool Cleaner. For concrete pools with wide openings. Aluminum body. Wheel group and hose connection made of chrome bronze and stainless steel. 2" Hose connection. Cleaner scanning width, L=80 cm

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Trailed via cable	09213	435,00	1	10,008	0,020
• With fork for using with Handle	09214	478,00	1	11,516	0,032

GEMAS "LEAF" Pool Cleaner. Plastic body with brush. No wheels for liner and concrete pools. Operates with water jet. 1 1/2" hose connection with clip. Ø 38 cm body dia.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09222	18,60	1	0,860	
• Spare bag	092221	7,30	1		



Manual Pool Cleaners - Liners



GEMAS "LUXVAC" POOL CLEANER. Plastic Body. Brushes on body for concrete and liner pools. 1 1/2" hose connection. Pole connection is with clip. Control on top for vacuum strength.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Luxvac pool cleaner	09215	31,00	1	1,580	0,011



GEMAS "TRIANGLE" POOL CLEANER. Plastic glare body. Brushes on body for concrete and liner pools. 1 1/2" hose connection. Pole connection is with clip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Triangle Pool Cleaner	09217	29,00	1	1,380	0,013



GEMAS "BUTTERFLY" POOL CLEANER. Plastic Body. Brushes on body for concrete and liner pools. 1 1/2" hose connection. Pole connection is with clip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Butterfly pool cleaner	09218	24,00	1	0,868	0,007
• Butterfly pool cleaner - Side Brush	09219	29,00	1	1,048	0,008



GEMAS "FLEX" POOL CLEANER. Plastic Body. Brushes and wheels on body for concrete and liner pools. 1 1/2" hose connection. Pole connection is with clip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Flex pool cleaner	09220	28,00	1		
• Ditto, with side brushes	09223	32,00	1		

"AQUAQUIK" POOL AND SPA CLEANER. Manual cleaner with hand pump for easy cleaning in pools and spas. Works without hose. Package is complete with flat scoop, brush, wide and narrow suction heads and wall assembly part. Length:140 cm. Dia: 7,5 cm

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Pool & SPA VAC	09216	124,00	1	1,418	0,060



Vacuum Hoses

GEMAS VACUUM HOSE. Economic blue and white colored, 30 m roll. Without adapter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● D.38 mm, 1 1/2" - Price per meter.	09511	2,60	30	4,992	0,152
● D.50 mm, 2" - Price per meter.	09512	3,70	30	7,696	0,298

GEMAS VACUUM HOSE. Blue or white colored. Different lengths of D.38 mm, special hose adapter included. Sold in box.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 1 1/2" - 8 m	095111	33,00	1	2,784	0,073
● 1 1/2" - 10 m	095112	49,00	1	3,112	0,073
● 1 1/2" - 12 m	095113	58,00	1	3,340	0,073
● 1 1/2" - 15 m	095114	73,00	1	3,932	0,073

GEMAS VACUUM HOSE. Blue or white colored. Different lengths of D.38 mm, special hose adapter included. Sold in box.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 2" - 12 m	095121	59,00	1	4,646	0,127
● 2" - 15 m	095122	73,00	1	5,372	0,127
● 2" - 18 m	095123	84,00	1	6,098	0,127

GEMAS "EVAPOOL VACUUM HOSE". Blue striped, white colored. Different lengths of D.38 mm. 30 m rolls.

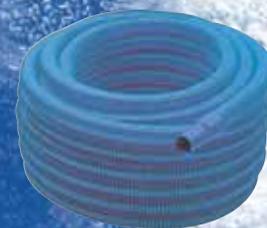
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● D.38 mm, 1 1/2" - Price per meter.	09511E	4,50	30 m		
● D.50 mm, 2" - Price per meter.	09512E	6,20	30 m		

GEMAS "EVAPOOL VACUUM HOSE". Blue striped, white colored. Different lengths of D.38 mm. With special adapter. Sold in box.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 1 1/2" - 8 m	09511E1	48,00			
● 1 1/2" - 10 m	09511E2	62,00			
● 1 1/2" - 12 m	09511E3	73,00			
● 1 1/2" - 15 m	09511E4	91,00			

GEMAS "EVAPOOL VACUUM HOSE". Blue striped, white colored. Different lengths of D.38 mm. With special adapter. Sold in box.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 2" - 12 m	09512E1	76,00			
● 2" - 15 m	09512E2	86,00			
● 2" - 18 m	09512E3	100,00			



Hose Adapters and Clips

GEMAS LINK CONNECTOR. For connection of Ø 38 mm hose to "04134" suction inlet, in white ABS plastic. 1 1/2" threaded.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09821	3,60	20	0,812	0,006

BULLDOG CLIP. In stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For Ø 38 mm. (1 1/2") hose	09831	9,40	100	3,000	0,001
• For Ø 50 mm. (2") hose	09832	12,00	50	1,800	0,002

GEMAS HOSE CUFFS. In flexible PVC plastic, threaded inside.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For Ø 38 mm. (1 1/2") hose	09811	2,40	120	6,000	0,028
• For Ø 50 mm. (2") hose	09812	3,15	120	7,200	0,028
• For both Ø 38 mm and Ø 50 mm hose. Reduction connection. Can be connected to vacuum without adapter.	09813	3,60	120	10,800	0,064

GEMAS THREADED HOSE CUFFS. In PVC plastic, 1 1/2" male threaded.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For Ø 38 mm.	09841	1,45		0,052	

GEMAS HOSE COLLECTION WHEEL. Made of ABS plastic. 15 m of D.38 Hose collection capacity.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Hose wheel	09513	57,00	1	2,678	0,044

GEMAS LEAF TRAP. Transparent body. Designed to assemble on vacuum hose. Can be cleaned easily. Complete with hose connections, Ø 38 mm. (please ask adaptors for Ø 50 mm).

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Leaf Trap	09851	42,00	1		

GEMAS VACUUM REGULATOR. Made of ABS plastic, Ø 38 mm. Provides suction flow regulation at pool site.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Vacuum regulator	09861	15,00	1		

Leaf Scoops

GEMAS LEAF SCOOP IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	09710	8,75	12	3,350	0,053

GEMAS LEAF SKIMMER IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	09720	7,35	12	3,780	0,053

GEMAS "LUX" LEAF SCOOP IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	09730	7,50	12	7,950	0,085

GEMAS "ECONOMIC" LEAF SCOOP IN PLASTIC. Fixing with clip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	09740	5,65	12	7,950	0,085



Pool Brushes

GEMAS VACUUM BRUSH IN PLASTIC. Pool wall brush, standard. With hose connection.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09624	11,80	1		

GEMAS WALL BRUSH IN PLASTIC. Pool wall brush, 60 cm, standard.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09622	19,15	1		

GEMAS WALL BRUSH IN PLASTIC. Pool wall brush, 90 cm, standard.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09623	28,00	1		

GEMAS CURVED BRUSH IN PLASTIC.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09620	6,25	1	0,348	0,002

GEMAS POOL BRUSH, FLAT.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09621	5,65	2	0,244	0,002

GEMAS ALGAE BRUSH WITH STAINLES STEEL BRISTLES.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• W=12,50 cm	09612	7,50	1	0,160	0,001
• W=25,00 cm	09613	8,75	1	0,304	0,002

GEMAS CORNER BRUSH. Corner Brush. Circular. Plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09640	6,70	1	0,114	0,001

Auxiliary Cleaning Equipment

GEMAS SCRUBBING PAD. With plastic handle.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09633	12,50			

GEMAS SCRUBBING PAD. Plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09632	1,90		0,050	0,050

GEMAS HAND BRUSH. Plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09630	8,75		0,296	0,001

GEMAS PUMICE. Plastic clip body. Used for algae cleaning between ceramics.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09631	16,25		0,096	

GEMAS LIFEGUARD HOOK. Aluminum.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09800	24,00		0,408	0,044

GEMAS LIFEGUARD RING. Plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09810	28,00	1		

GEMAS LIFEGUARD RING - WALL HANG PART. Stainless Steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	09815	82,50	1		



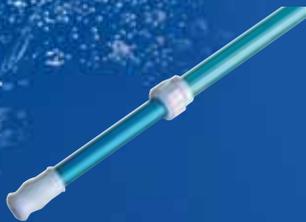
Telescopic Handles

TELESCOPIC HANDLES. In anodized aluminium (natural or gold color). Connection via clip or butterfly nut.

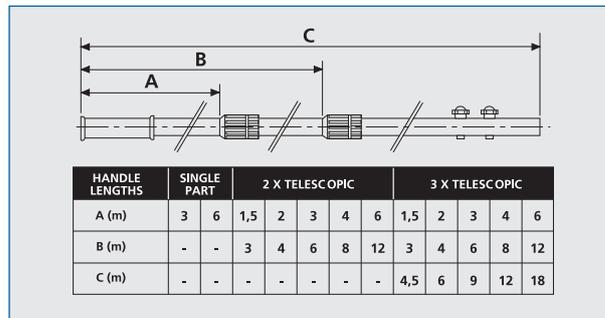
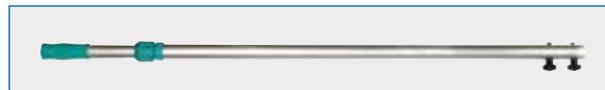


Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1x1,5 m	09410	17,00	1	0,430	0,159
• 1x3 m	09420	19,10	1	0,890	0,312
• 2x2 m	09430	26,00	1	1,100	0,220
• 2x2,4 m	09490	27,00	1	1,600	0,261
• 2x3 m	09440	33,00	1	1,500	0,323
• 3x1,5 m	09450	34,00	1	1,300	0,169
• 3x2 m	09460	37,00	1	1,540	0,220
• 3x3 m	09470	46,50	1	2,200	0,328
• 3x6 m	09480	120,50	1	4,200	0,630

TELESCOPIC HANDLE. Aluminum, blue anodized. Stripy lower body.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 2x1,8 m	09489	22,00	1	0,800	0,262
• 2x2,4 m	09491	25,00	1	1,000	0,262



WALL HANG SET FOR TELESCOPIC HANDLE. Made of Plastic. Complete with screws.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Wall Hang Set	09400	6,70	1	0,160	0,001

Pool Thermometers

Pool Thermometers, floating.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Thermometer - Floating Type (Duck)	10414	15,00			
● Thermometer - Floating Type (Fish)	10412	8,30	24		
● Thermometer - Floating Type (Ship)	10413	8,30	24		

Pool Thermometer, to be connected to the ladder.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Thermometer - Floating Type	10411	5,00	1	0,090	
● To be connected to the ladder	10421	4,00	1	0,068	

Pool Thermometer, floating and circular scaled, Ø 190 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	10431	17,50	1	0,298	0,010

Pool Ice Barrier

Pool Ice Barrier. Made of Plastic. 49 x 24 cm size floating barrier is arrayed all around the pool perimeter. Protects the pool coating by absorbing the expansion of freezing at very low atmospheric temperature.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Ice Barrier	1297105	10,00	1		



Pool Heat Pumps



NEW!



GEMAS Heat Pump. Uses the extant heat in the air for 80% of the total energy required to heat up the pool. Consumes electrical energy only for the 20% of the required heat.

- Operational costs are 80% lower compared to natural gas. System can be used for heating or cooling. It is the only solution for shock pools .
- The heat exchanger that transfers energy from air to water is made of titanium. It can be installed in the pools with sea water.
- An electronic-digital control board on the device that also shows the temperature of the water.
- Heating or cooling modes are also selected with the help of this board.
- The heat pump can easily be installed on the extant pool installations without any infrastructural problems.
- The heat pump is designed to change the water temperature by $\pm 12^{\circ}\text{C}$ in 5 days when the outside temperature 20°C .
- Using a solar pool cover that provides isolation will shorten the time and reduce energy consumption.
- The heat pump does not work efficiently when the ambient temperature is below 10°C .

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PHC25L - Heating/Cooling	101312	3330,00	1		
• PHC35L - Heating/Cooling	101313	4913,00	1		
• PHC50L - Heating/Cooling	101314	6174,00	1		
• PHC65L - Heating/Cooling	101315	8521,00	1		
• PHC65LS - Heating/Cooling	101316	8521,00	1		
• PHC80LS - Heating/Cooling	101317	10520,00	1		
• PH120LS- Heating/Cooling	101318	18254,00	1		
• PH150LS- Heating/Cooling	101319	20686,00	1		

ATTENTION! : Below pool volumes are valid during the heating period (1 may - 15 september) for the conditions when the system is on for 15 hours a day and the pool is covered with an isolated cover during the night. If these conditions cannot be fulfilled, a larger model is recommended.

Model	PHC25L	PHC35L	PHC50L	PHC65L	PHC65LS	PHC80LS	PH120LS	PH150LS
Cooling gas	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Heating capacity*	kw 10.0	13.0	17.0	25.0	26.0	32.0	45.0	60.0
C.O.P (efficiency)*	6.2	6.3	6.2	6.4	6.5	6.4	7.0	6.8
Heating capacity**	kw 7.0	9.0	12.0	16.5	17.0	22.0	29.4	40.1
C.O.P (efficiency)**	4.4	4.5	4.5	4.5	4.7	4.5	5.04	5.05
Cooling capacity***	kw 6.0	8.0	10.0	15.0	16.0	19.0	45.0	60.0
C.O.P (efficiency)***	3.8	4.0	3.7	4.1	4.4	3.9	4.5	4.5
Pool Volume***	m³ 30~50	40~70	60~90	75~120	75~120	100~150	150~200	200~250
Decrease in energy bill (compared to electric energy)	% 75-85	% 75-85	% 75-85	% 75-85	% 75-85	% 75-85	% 75-85	% 75-85
Operation temperature	$^{\circ}\text{C}$ 0~43	0~43	0~43	0~43	0~43	0~43	-7~43	-7~43
Recommended flow rate	m ³ /h 4-6	5-7	6.5-8.5	8-10	8-10	10-12	15-20	20-12
Operation power/max. power	kW 1.4/1.8	1.8/2.4	2.4/3.1	3.8/5.6	3.8/5.6	4.5/6.3	5.8	7.9
Energy	V/Ph/Hz 220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Operation current/max. current	A 6.4/8.2	8.2/11	10.9/14.1	17.3/26	5.8/8.5	6.8/9.5	11.4	15.2
Heat exchanger	T i t a n i u m							
Compressor	Rotari	Rotari	Rotari	Skrol	Skrol	Skrol	Skrol	Skrol
Fan direction	Dikey	Dikey	Dikey	Dikey	Dikey	Dikey	Dikey	Dikey
Noise level	db(A) ≤ 34	35	38	39	39	42	45	51.7
Connection dimension	mm 50	50	50	50	50	50	63	63
Device dimensions (LxWxH)	mm 567x550x640	567x550x640	694x689x740	694x689x740	694x689x740	740x694x950	740x694x950	740x694x950
Package dimensions (LxWxH)	mm 1025x380x595	610x540x715	760x740x800	760x740x800	760x740x800	790x740x990	1380x530x1388	1380x530x1388
Weight Net/Gross	kg 55/60	70/75	85/93	107/117	107/117	127/137	215/236	225/246

* : Valid when the water temperature is 26°C , and air temperature is 26°C

** : Valid when water temperature is 26°C , and air temperature is 15°C

*** : Valid when water temperature is 28°C , and air temperature is 35°C

**** : When an isolated pool cover is used

We reserve our right to change all or part of the features of the articles or contents of this document, without prior notice.

Heat Exchangers, Shell & Tube Type

GEMAS Heat Exchangers, Shell and Tube Type. Made of AISI 304 quality stainless steel. Max. pressure 10 bars. Operated by 90-70 °C hot water from the boiler. Connection cuffs are not included.

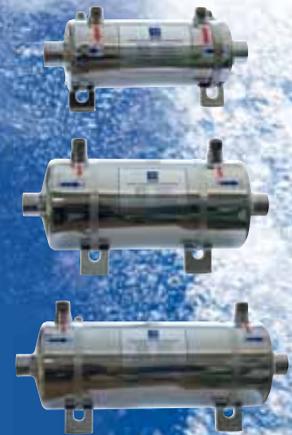
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 35,000 kcal/h: Connections: Pool side 1 1/2"- boiler side 3/4"	101211	496,00	1		
● 65,000 kcal/h: Connections: Pool side 1 1/2"- boiler side 1"	101212	673,00	1		
● 90,000 kcal/h: Connections: Pool side 2"- boiler side 2x1"	101213	904,00	1		
● 180,000 kcal/h: Connections: Pool side 2"- boiler side 2x1"	101214	1370,00	1		
● St. Steel Wall Clampset	10121101	100,00	1		

Plate Heat Exchangers - High Pressure Drop

GEMAS Stainless Steel Plate Heat Exchanger. Made of AISI 316 quality stainless steel with nitril or EPDM seal exchangers. Operated by 90-70°C hot water from boiler. Max. pressure 10 bars - Max. heat 130°C. Pressure loss from boiler and pool is 5 mwh.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 30,000 kcal/h, 504 Body, 5 Pl.	101251	326,00	1		
● 40,000 kcal/h, 504 Body, 6 Pl.	101252	338,00	1		
● 50,000 kcal/h, 504 Body, 7 Pl.	101253	350,00	1		
● 60,000 kcal/h, 504 Body, 8 Pl.	101254	361,00	1		
● 70,000 kcal/h, 504 Body, 10 Pl.	101255	386,00	1		
● 80,000 kcal/h, 504 Body, 10 Pl.	101256	386,00	1		
● 90,000 kcal/h, 504 Body, 12 Pl.	101257	419,00	1		
● 100,000 kcal/h, 504 Body, 12 Pl.	101258	419,00	1		
● 125,000 kcal/h, 504 Body, 16 Pl.	101259	456,00	1		
● 150,000 kcal/h, 504 Body, 20 Pl.	101261	508,00	1		
● 175,000 kcal/h, 504 Body, 24 Pl.	101262	553,00	1		
● 200,000 kcal/h, 514 Body, 10 Pl.	101263	988,00	1		
● 250,000 kcal/h, 514 Body, 12 Pl.	101264	1046,00	1		
● 300,000 kcal/h, 514 Body, 14 Pl.	101265	1108,00	1		
● 325,000 kcal/h, 514 Body, 14 Pl.	101266	1108,00	1		
● 400,000 kcal/h, 514 Body, 18 Pl.	101267	1231,00	1		
● 500,000 kcal/h, 514 Body, 22 Pl.	101268	1356,00	1		
● 600,000 kcal/h, 514 Body, 28 Pl.	101269	1531,00	1		

Option: Complete with selenoid valve, thermostat and thermostat cover for automation. Price is **895 Euro**.



NEW!



Plate Heat Exchangers - Low Pressure Drop

GEMAS Plate Heat Exchangers. Plates made of AISI 316 quality stainless steel, with nitril or EPDM gaskets. Body plates are 20mm and painted over galvanization. Operated by 90-70°C hot water from boiler. Max Pressure 10 bar - Max temperature 130°C. Pressure losses from the sides of the pool and boiler are shown separately for each capacity.



Optional

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 40,000 kcal/h: Pool side 1,02 mwh - Boiler side 1,00 mwh	101231	585,00	1	34,500	0,060
• 65,000 kcal/h: Pool side 1,16 mwh - Boiler side 1,20 mwh	101232	659,00	1	35,900	
• 90,000 kcal/h: Pool side 1,28 mwh - Boiler side 1,29 mwh	101233	731,00	1	64,000	
• 110,000 kcal/h: Pool side 1,21 mwh - Boiler side 1,90 mwh	101234	768,00	1	65,200	
• 130,000 kcal/h: Pool side 1,18 mwh - Boiler side 1,71 mwh	101235	841,00	1	85,600	
• 150,000 kcal/h: Pool side 1,55 mwh - Boiler side 1,60 mwh	101236	878,00	1	87,200	
• 180,000 kcal/h: Pool side 1,65 mwh - Boiler side 1,70 mwh	101237	950,00	1	87,200	
• 225,000 kcal/h: Pool side 1,58 mwh - Boiler side 1,63 mwh	101238	1096,00	1	88,800	
• 300,000 kcal/h: Pool side 1,63 mwh - Boiler side 1,97 mwh	101239	1280,00	1		
• 400,000 kcal/h: Pool side 1,71 mwh - Boiler side 1,97 mwh	101240	1570,00	1		
• 500,000 kcal/h: Pool side 1,81 mwh - Boiler side 1,87 mwh	101241	1863,00	1		
• 700.000 kcal/h: Pool side 1,14 mwh - Boiler side 1,88 mwh	101242	2628,00	1		

Optional: Complete with thermostat, thermostat casing and selenoid valve. Price is **895 Euro**.

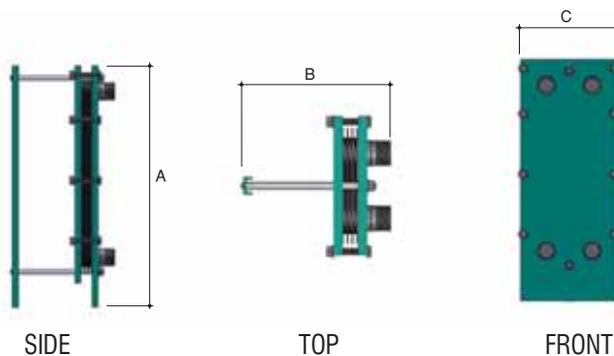


Plate Heat Exchangers - Titanium

GEMAS Titanium Plate Exchanger. Titanium plates resistant to sea water. Seals of nitrile or EPDM. Operated by 90-70°C hot water from boiler. Max pressure 10 bars, max temperature 130°C. Pressure losses from the side of the pool and the boiler are shown below separately for each capacity.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 40,000 kcal/h: Pool side 1,02 mwh - Boiler side 1,00 mwh	101231T	1311,00	1	34,500	0,060
● 65,000 kcal/h: Pool side 1,16 mwh - Boiler side 1,20 mwh	101232T	1483,00	1	35,900	
● 90,000 kcal/h: Pool side 1,28 mwh - Boiler side 1,29 mwh	101233T	1645,00	1	64,000	
● 110,000 kcal/h: Pool side 1,21 mwh - Boiler side 1,90 mwh	101234T	1727,00	1	65,200	
● 130,000 kcal/h: Pool side 1,18 mwh - Boiler side 1,71 mwh	101235T	1892,00	1	85,600	
● 150,000 kcal/h: Pool side 1,55 mwh - Boiler side 1,60 mwh	101236T	1975,00	1	87,200	
● 180,000 kcal/h: Pool side 1,65 mwh - Boiler side 1,70 mwh	101237T	2137,00	1	87,200	
● 225,000 kcal/h: Pool side 1,58 mwh - Boiler side 1,63 mwh	101238T	2466,00	1	88,800	
● 300,000 kcal/h: Pool side 1,63 mwh - Boiler side 1,97 mwh	101239T	2877,00	1		
● 400,000 kcal/h: Pool side 1,71 mwh - Boiler side 1,97 mwh	101240T	3533,00	1		
● 500,000 kcal/h: Pool side 1,81 mwh - Boiler side 1,87 mwh	101241T	4191,00	1		
● 700.000 kcal/h: Pool side 1,14 mwh - Boiler side 1,88 mwh	101242T	5912,00	1		

Optional: Complete with thermostat, thermostat casing and selenoid valve. Price is **895 Euro**.

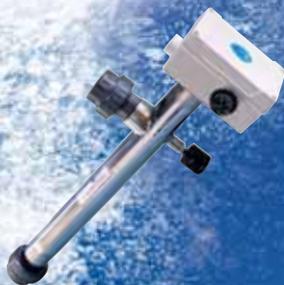


DIMENSIONS	
A (mm)	580
B (mm)	250
C (mm)	290



Electrical Exchangers

GEMAS Electrical Heaters. Made of AISI 304 quality stainless steel. Triphase. Complete with thermostat and flow switch.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 6 kW GEMAS Electrical Heater	10111	481,00	1	4,140	0,031
• 9 kW GEMAS Electrical Heater	10112	520,00	1	4,140	0,031
• 12 kW GEMAS Electrical Heater	10113	555,00	1	5,540	0,031
• 18 kW GEMAS Electrical Heater	10114	591,00	1	5,540	0,031

Pool Thermometers

Pool Thermometers, floating.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Thermometer - Floating Type (Duck)	10414	15,00			
• Thermometer - Floating Type (Fish)	10412	8,30	24		
• Thermometer - Floating Type (Ship)	10413	8,30	24		

Pool Thermometer, to be connected to the ladder.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Thermometer - Floating Type	10411	5,00	1	0,090	
• To be connected to the ladder	10421	4,00	1	0,068	

Pool Thermometer, floating and circular scaled, Ø 190 mm.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	10431	17,50	1	0,298	0,010

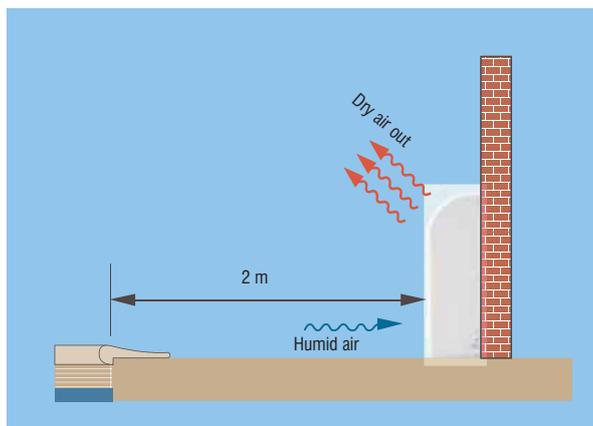
Dehumidifiers

GEMAS Dehumidifier. Provides energy-saving humid control for indoor swimming pool. Allows adjusting desired humidity rate with digital hygrometer.

- Quite operation,
- HP Buster Technology,
- R410A Eco-Friendly Gas,
- Installation on basement or wall,
- Plastic Case,
- Optional Electrical Heater.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Model DH60 / 60 lt/day	10231	3925,00	1	60,000	0,172
• Model DH90 / 90 lt/day	10232	4913,00	1	65,000	0,172
• Model DH120 / 120 lt/day	10233	5912,00	1	90,000	0,328

Model	DH60	DH90	DH120
Capacity (L/hr) 30°C/70% humid*	2.5	3.9	5.0
Heat Recovery (kW)	2.8	4.2	5.5
Optional Electrical Heater (kW)	2	3	3
Operating Power (kW)	1	1.7	2
Current (Amp)	4.58	7.83	9.15
Feeding Energy	220-240V/1ph/50Hz	220-240V/1ph/50Hz	220-240V/1ph/50Hz
Operating Temperature (C°)	5~38	5~38	5~38
Noise Level (dB(A))	61.8	62.8	62.8
Noise Level 5 m (dB(A))	39.5	40.8	40.8
Air Flow (m ³ /h)	800	1000	1200
Net Measurement (mm)	855x242x848	1155x280x848	1155x280x848
Net Weight/Gross Weight (kg)	53/68	70/86	75/91



Heat Requirement Chart For Miscellaneous Pools

Pool Dimensions (m)		Pool Volume (m ³)		Heat Requirement (kcal/h) (÷ 0,86 = Watt)																		
				Wind Sheltered Pools				Open Pools				Indoor Pools										
				Δt= 5°C		Δt= 10°C		Δt= 5°C		Δt= 10°C		Δt= 17°C		Δt= 25°C								
4,00 x 8,00 x 1,50	48	24 h	20215	18277	22153	30642	25641	23974	40644	30642	27308	37308	20305	14638	53311	28307	23223					
		24 h	34977	27164	24560	50606	34978	29769	47878	37459	63506	47878	42669	58295	31727	22872	83299	44230				
5,00 x 10,00 x 1,50	75	24 h	50368	39116	35365	72872	50368	42867	68944	57692	53942	91448	68944	61443	83944	45687	32935	119951	44937			
		24 h	89543	69539	62872	129551	89543	76208	122567	102564	95896	189040	142520	109232	149234	81222	58551	213246	113228			
6,00 x 12,00 x 1,50	108	24 h	12,50 x 25,00 x 1,50	469	218663	169800	153513	367895	218664	186088	299288	250425	234137	461645	348010	266713	364518	198384	143006	520880	276565	195127
		24 h	277035	179594	160041	355563	238250	199146	318875	260209	240667	436188	318875	279771	431113	231682	165205	719551	325532	227771		
12,50 x 25,00 x 1,80	563	24 h	16,00 x 35,00 x 1,50	840	391751	304236	275064	566783	391752	333408	536231	448716	419544	711263	536232	477888	652899	355346	256161	932950	495371	349511
		24 h	559645	434622	392948	809690	559645	476297	766045	641023	599348	1016090	766045	682697	932713	507637	365944	1332765	707673	499302		
20,00 x 40,00 x 1,50	1200	24 h	25,00 x 50,00 x 1,50	1875	874445	679098	613982	1265141	874445	744214	1196946	1001598	936482	1587641	1196945	1066714	1457364	793182	571788	2082477	1105738	780159
		24 h	1004678	744214	657393	1525604	1004677	831035	1327177	1066714	979892	1848104	1327177	1153535	1900152	1014576	719384	2733635	1431317	997212		

Instructions:

- 1- Above values are calculated with assumption of 24 hr of boiler operation. These values needs to be increased (x 24/work hours) in cases where boiler works less.
- 2- Exchanger capacities on the price list are for 90/70 °C boiler water temperature. Selected exchanger capacities needs to be increased for lower boiler water temperatures.
- 3- Values on the chart are approximate and can vary according to pool's construction and coating
- 4- Δt= Preferred temperature increase for pools.
- 5- Above time values for preferred temperature increase. Installation capacity needs to be increased for decreasing operation time values.
- 6- Using the "solar air-bubble cover" during the heating process, provides energy saving. (>%50)
- 7- Same type of cover decreases humidity by %50 at indoor pools.

POOLING



11	Water Attractions	189	
12	Winter Pool Covers	203	

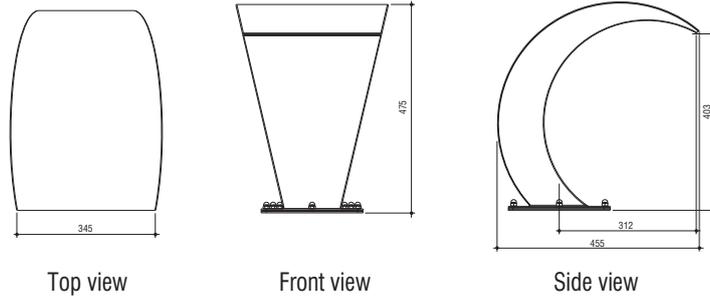


Water Cascade

Mini Cobra Water Cascade. Made of AISI 304 quality stainless steel. Connection 1 1/2" female threaded. Complete with fixing plate, gasket, screws and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	11190	680,00	1		

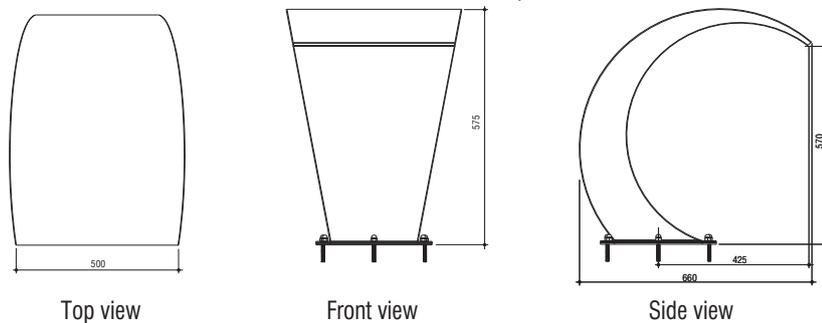
PS: This product must be used with 1 HP "STREAMER" Pump.



Midi Cobra Water Cascade. Made of AISI 304 quality stainless steel. Connection 2" female threaded. Complete with fixing plate, gasket, screws and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	11191	1200,00	1		

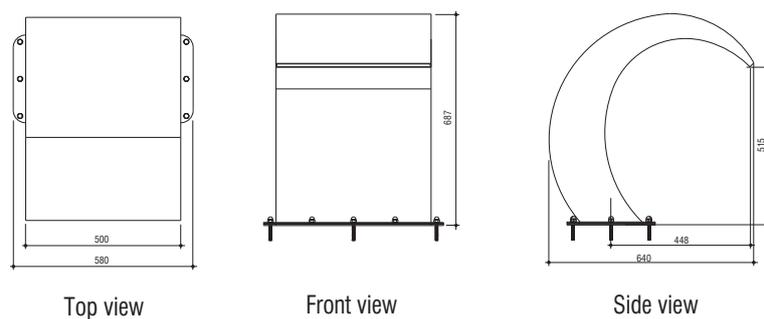
PS: This product must be used with 2 HP "STREAMER" Pump.



Niagara Water Cascade. Made of AISI 304 quality stainless steel. Connection 2" female threaded. Complete with fixing plate, gasket, screws and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	11192	1375,00	1		

PS: This product must be used with 2 HP "STREAMER" Pump.

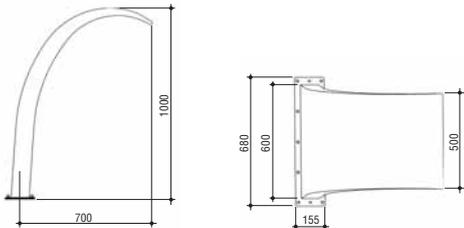


Water Cascade

Arcade - Lux Water Cascade. Made of AISI 304 quality stainless steel. Complete with anchorage.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 500 mm cascade	11150	1490,00	1		
● 600 mm cascade	11151	1600,00	1		

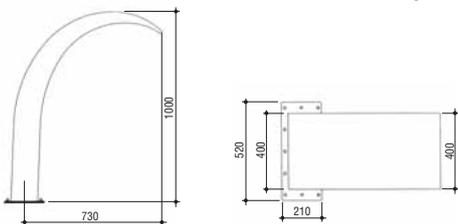
PS. These products must be used with 3 HP "STREAMER" Pump.



Arcade - Water Cascade. Made of AISI 304 quality stainless steel. Complete with anchorage.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 400 mm cascade	11160	1375,00	1	30,300	
● 600 mm cascade	11161	1600,00	1		

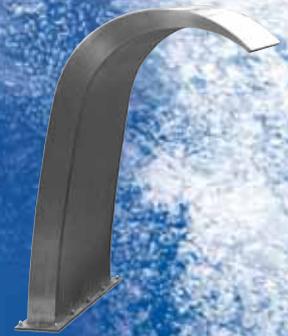
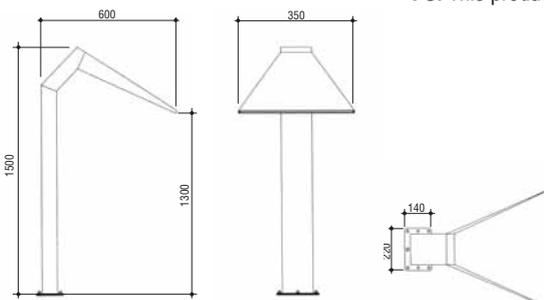
PS. These products must be used with 3 HP "STREAMER" Pump.



Delta - Water Cascade. Made of AISI 304 quality stainless steel. Complete with anchorage.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 350 mm cascade	11170	1260,00	1	12,400	

PS. This product must be used with 3 HP "STREAMER" Pump.

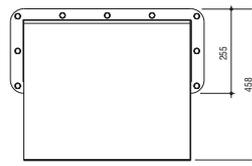


Water Cascade

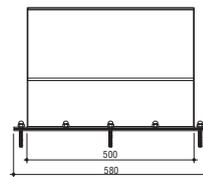
Floor Waterfall. Made of AISI 304 quality stainless steel. Connection 2" female threaded. Complete with fixing plate, gasket, screws and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	11200	940,00	1		

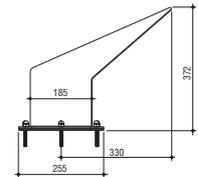
PS. This product must be used with 3 HP "STREAMER" Pump.



Top view



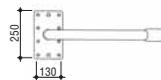
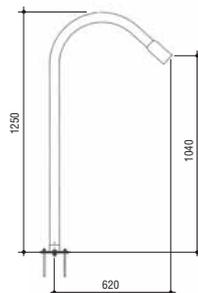
Front view



Side view

Water Jet

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 50 body made of AISI 304 quality stainless steel. Exchangeable jet mouth.	11140	771,00	1		
• Jet No 1	11141	265,00	1		
• Jet No 2	11142	265,00	1		
• Jet No 3	11143	265,00	1		
• Jet No 4	11144	265,00	1		



Jet No 1



Jet No 2



Jet No 3



Jet No 4

PS. These products must be used with 3 HP "STREAMER" Pump.

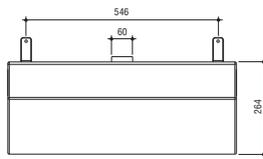


Water Cascade - Wall Type

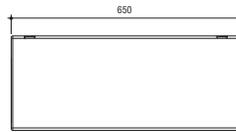
Wall Waterfall. Made of AISI 304 quality stainless steel. Connection 2 x 1 1/2" female threaded. Complete with fixing plugs.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• L = 1 m.	11110	1500,00	1		
• L = 1,5 m.	11111	1687,00			

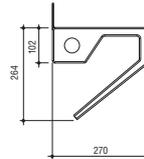
PS. These products must be used with 1 - 1 1/2 HP "STREAMER" Pump.



Top view



Front view



Side view

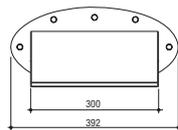
Tortum Water Cascade. Made of AISI 304 quality stainless steel. Connection 1 1/2" female threaded. Complete with fixing plate, gasket, screws and nuts.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• L = 0,3 m.	11112	460,00	1		
• L = 0,5 m.	11113	545,00	1		

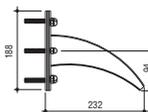
PS. These products must be used with 3/4 - 1 HP "STREAMER" Pump.



Top view



Front view

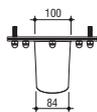


Side view

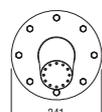
Wall Shower. Made of AISI 304 quality stainless steel. Connection 1 1/2" female threaded. Complete with fixing plate, gasket, screws and nuts. Recommended to be used with 05080 pneumatic button.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	11121	363,00	1		

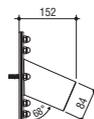
PS. This product must be used with 3/4 HP "STREAMER" Pump.



Top view



Front view



Side view



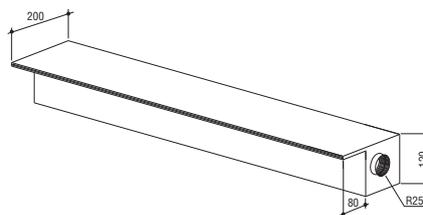
Water Cascade - Wall Type

“Pool Waterfall”. Made of AISI 304 quality stainless steel. Connection 2 x 1 1/2” female threaded.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Model HS01 - 0,30 m width	11180	382,00	1		
● Model HS02 - 0,50 m width	11181	495,00	1		
● Model HS03 - 1,00 m width	11182	843,00	1		
● Model HS04 - 1,50 m width	11183	1110,00	1		

PS: Suggested pumps are Streamer Mini 1/3 HP, 1/2 HP, 3/4 HP ve 1 HP respectively.



Water Cascade - Mushroom Type

Mushroom Cascade. FRP mushroom with AISI 304 quality stainless steel pivot, flanged at both ends.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Mushroom Cascade Ø 2000 mm: Requires 150 m ³ /h	11133	2381,00	1		
● Mushroom Cascade Ø 1600 mm: Requires 80 m ³ /h	11132	1590,00	1		
● Mushroom Cascade Ø 1000 mm: Requires 40 m ³ /h	11131	970,00	1		



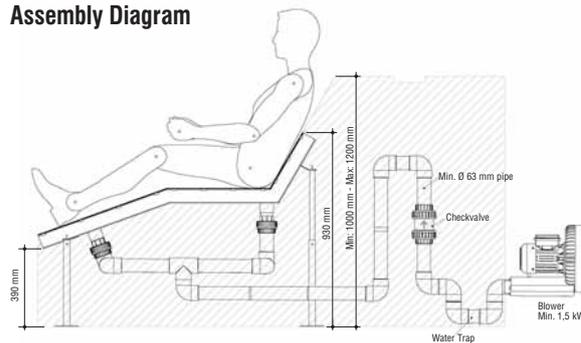
Inpool Hydro-Massage Systems

Air Bed. Made of AISI 304 quality stainless steel. Complete with adjustable legs and PVC piping. Ø 63 mm air connection.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Double	11330	1600,00	1		
● Single	11331	960,00	1		

PS: This product must be used with 2,2 kw blower.

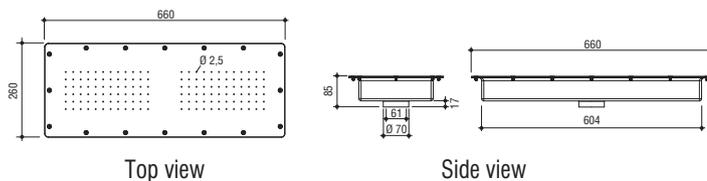
Assembly Diagram



Rectangular Floor Air Jet. Made of AISI 304 quality stainless steel. Connection 2" female threaded.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 660 x 260 mm	11340	563,00	1		

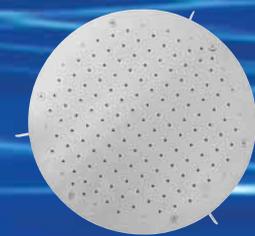
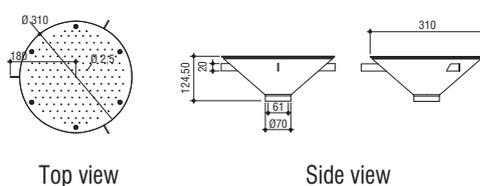
PS: This product must be used with 2,2 Kw blower.



Circular Floor Air Jet. Made of AISI 304 quality stainless steel. Connection 2" female threaded.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Ø 310 mm dia	11350	620,00	1		

PS: This product must be used with 1,1 Kw blower.

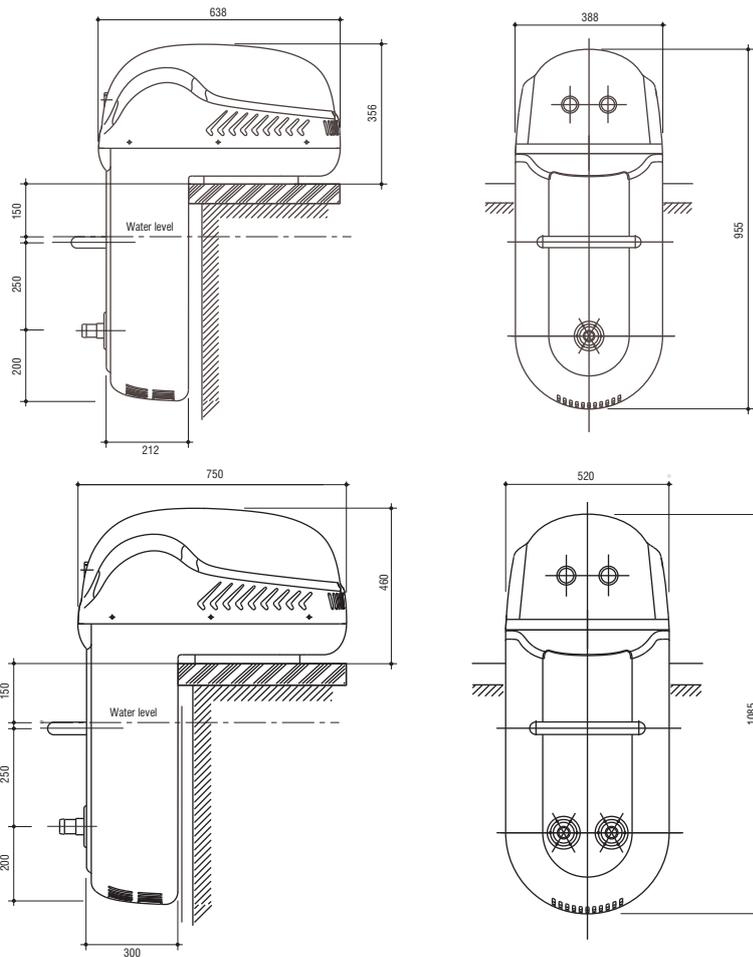


Counter Current and Massage Systems

Portable Hangover Counter Current System. Complete with massage pump, pneumatic switch, air regulator and stainless steel grip handle that are all installed in a plastic body. Technical specs are shown at below chart.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PCC-50	1112231	3538,00			
• PCC-80D Double Nozzle	1112233	4263,00			



TECHNICAL CHARACTERISTICS

MODEL	PCC - 50		PCC - 80D Double Nozzle	
Flow (m ³ /h)	25		54	
Max. Output Pressure (bar)	1,2		1,6	
Phase	Mono		Mono	
Voltage (V)	230		230	
Current (A)	5,2		13,1	
Frequency (Hz)	50/60		50/60	
Water flow rate (m/s)	0,8		1,15	
Input power P1	1,4		2,9	
Output power P2	1,1		2,2	
Nozzle diameter (Ø) (mm)	28		28	
Number of nozzles	1		2	
Nozzle moving angle (°)	60		60	
Weight (kg)	37	52	54	68

Counter Current and Massage System

GEMAS “ELIPTICAL MODEL” Counter Current System. Complete with jet pump, pneumatic switch, valves and connection parts. Easy to direct nozzle inside pool. Completely made of ABS plastic. Suction line Ø 75 mm, return line Ø 63 mm. Air suction line can be established below water level by the help of suction check valve. Possible hand massage with optional massage hose. Optional stainless steel handle. Can be used both for liner and concrete pools.

FOR CONCRETE POOLS:

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3,0 HP Monophase-with Pumpex pump	112221	1241,00	1		
• 3,5 HP Monophase-with Fooderjet pump	112222	1267,00	1		
• 3,0 HP Triphase-with Pumpex pump	112223	1292,00	1		
• 3,5 HP Triphase-with Fooderjet pump	112224	1460,00	1		
• 4,5 HP Triphase-with Fooderjet pump	112225	1490,00	1		
• 5,5 HP Triphase-with Fooderjet pump	112226	1520,00	1		

FOR LINER POOLS:

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3,0 HP Monophase-with Pumpex pump	112251	1287,00	1		
• 3,5 HP Monophase-with Fooderjet pump	112252	1295,00	1		
• 3,0 HP Triphase-with Pumpex pump	112253	1320,00	1		
• 3,5 HP Triphase-with Fooderjet pump	112254	1514,00	1		
• 4,5 HP Triphase-with Fooderjet pump	112255	1523,00	1		
• 5,5 HP Triphase-with Fooderjet pump	112256	1552,00	1		

GEMAS “ELIPTICAL MODEL” Counter Current System. Niche made of ABS and front frame set.

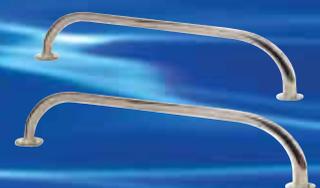
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For Concrete Pools	11223	618,00	1		
• For Liner Pools	11224	713,00	1		

GEMAS “ELIPTICAL MODEL” Counter Current System, Massage Hose Set.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1122211	217,00	1		

AISI 304 Quality Stainless Steel Handles for GEMAS Counter Current System. Complete with screws and pegs, with flange. Pipe is Ø 42 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Price per pair	1122212	181,00	1		



Counter Current and Massage Systems

GEMAS "SQUARE MODEL" Counter Current System. Complete with jet pump, pneumatic switch, valves and connection parts. Easy to direct nozzle inside pool. Completely made of ABS plastic. Suction line Ø 75 mm, return line Ø 63 mm. Air suction line can be established below water level by the help of suction check valve. Possible hand massage with optional massage hose. Optional stainless steel handle. Can be used both for liner and concrete pools.

FOR CONCRETE POOLS:

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3,0 HP Monophase-with Pumpex pump	112221K	1241,00	1		
• 3,5 HP Monophase-with Fooderjet pump	112222K	1267,00	1		
• 3,0 HP Triphase-with Pumpex pump	112223K	1292,00	1		
• 3,5 HP Triphase-with Fooderjet pump	112224K	1460,00	1		
• 4,5 HP Triphase-with Fooderjet pump	112225K	1490,00	1		
• 5,5 HP Triphase-with Fooderjet pump	112226K	1520,00	1		

FOR LINER POOLS:

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3,0 HP Monophase-with Pumpex pump	112251K	1287,00	1		
• 3,5 HP Monophase-with Fooderjet pump	112252K	1295,00	1		
• 3,0 HP Triphase-with Pumpex pump	112253K	1320,00	1		
• 3,5 HP Triphase-with Fooderjet pump	112254K	1514,00	1		
• 4,5 HP Triphase-with Fooderjet pump	112255K	1523,00	1		
• 5,5 HP Triphase-with Fooderjet pump	112256K	1552,00	1		

GEMAS "SQUARE MODEL" Counter Current System. Niche made of ABS and front frame set.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For Concrete Pools	11223K	618,00	1		
• For Liner Pools	11224K	713,00	1		

Inpool Hydro-Massage Systems

Massage Bed inside the Pool. Made of acrylic polyester. Complete with massage installation & ready to install.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	11310	746,00	1		

Massage Seat inside the Pool. Made of acrylic polyester. Complete with massage installation & ready to install.

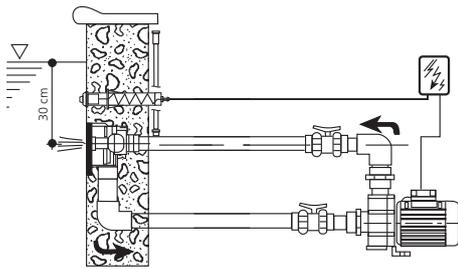
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	11320	569,00	1		

Counter Current and Massage System

GEMAS Counter Current System. Complete with 3 HP Pumpex pump, pneumatic switch & button and its valves. Swivel massage inlet can easily be directed. Complete body made of ABS plastic.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	11210	1061,00	1	24,500	0,104

Assemble Diagram:



Massage Unit. Can be used both for single or multiple massage station.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	11211	185,00	1	1,636	0,006

Pay attention to the section "Electrical pool equipments" for quotation of pneumatic button and switch.



Swimming Pool Chair

Swimming pool chair. Made of plastic. Cup holder on chair.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	11440	96,00			



NEW!

Decorative Wall Nozzles

GEMAS Wall Nozzles. Made of polyester and the surface finish is made with various aging paints. Standart trims are antique copper, antique brass, antique silver and oxide. Special implemetations can be made according to special demands.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Small Lionhead, Antique Copper	1122411	200,00	1		
• Large Lionhead, Antique Copper	1122421	238,00	1		
• Plain Bowl Waterfall, Antique Copper	1122431	263,00	1		
• Slotted Bowl Waterfall, Antique Copper	1122241	263,00	1		
• Snail, Antique Copper	1122251	163,00	1		
• Antique Badge, Antique Copper	1122261	125,00	1		



Small Lionhead,
Antique Copper



Large Lionhead,
Antique Copper



Plain Bowl Waterfall



Plain Bowl Waterfall,
Antique Copper



Slotted Bowl Waterfall,
Antique Copper



Snail, Antique Copper



Antique Badge,



Poolside Flowerpots

GEMAS Poolside Flowerpots. Made of polyester and the surface finish is made with various aging paints. Standart trims are antique copper, antique brass, antique silver and oxide. Special implemetations can be made according to special demands.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Flowerpot with Angle Figure, Antique Copper	1122511	275,00	1		
● Cube Flowerpot, Antique Copper	1122521	313,00	1		



NEW !



NEW !

Fiberoptic Star Effect

GEMAS Fiberoptic Star Effect. Before coating the pool, fiberoptic fibers are inserted on pool floor, extended into engine room and all fibers connected to RGB light source. In this way, RGB or single colored star effect is created on the pool floor.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1122711	Please ask for price			



Poyrazlux - Winter Cover

Pool Cover. Made of PVC. Peripheral reinforcement of 5 cm. Laterals at each 1 m of the periphery are used to stretch the cover over pool surface by means of stainless steel springs attached to special bronze retractable anchors. Drain holes are available at the center to discharge the rain water. Complete with springs and retractable anchors.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Rectangular shape, price per square meter	12110	36,00			
● Irregular shape, price per square meter		45,50			
● Free form cover, price per square meter		49,00			
● Special cut for pool ladder or other special forms, price per cut		54,00			

PS. Pool dimensions should be increased by 1,20 m for overflow pools; whereas by 0,6 m for skimmer pools.



Solar Cover - Heat Saving

Solar Pool Cover. Provides a limited amount of solar heating and saves energy by minimizing the surface heat loss. Decreases the humidity %50 at indoor pools. Recommended to be used with cover reel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Solar Cover, in role per m ² Width: 2 m. (Welded price is double).	1211101	9,00			

PS. Please ask for prices of Solar Covers in special shape.



Cover Accessories

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Retractable anchor	121101	15,00	1	0,062	
● Dynamometric Spring : AISI 304 quality stainless steel	121102	34,50	1	0,144	
● Manuel Vacuum Pump. Used for discharge of rain water on the cover.	12114	57,00	1		



Motorized Pool Cover



COVERTEC Pool Cover. Blue PVC 650 gr/m². Reinforced with aluminium bars placed with 1,2 m - 1,4 m intervals. With the help of portable rechargeable-reductor 24 V motor, the pool cover is opened or collected easily and quickly. Safe for children and pets. For windy environments, fixation is provided by side reinforcements. For irregular-shaped swimming pools, the cover needs to be rectangular form. There should be 25 cm margin for short edges and 50 cm margin for long edge.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3 x 6 m Pool	12210	2735,00	1		
• 4 x 8 m Pool	12211	3690,00	1		
• 5 x 10 m Pool	12212	4920,00	1		
• 6 x 12 m Pool	12213	6420,00	1		

All Pool Covers Have Below Specifications

Strong resistance to UV lights from the Sun. Preserves its aero-elastic structure under bad weather conditions.

- Can be easily clean due to dirt-proof LAQUER coating.
- Anti Fungal
- Anti Bacterial
- Not affected negatively by pool chemicals



Motorized Pool Cover

Automatic PVC Slatted Pool Cover. Made of PVC profiles, 24 V Above-ground motor. It weights a person walking above and does not sink. With the help of safety straps, the cover can be fixed manually to pool deck. It's suitable for new and existing pools. For remote control option please ask for price.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 3 x 6 m Pool - White	12220	7780,00	1		
● 4 x 8 m Pool - White	12221	8246,00	1		
● 5 x 10 m Pool - White	12222	10427,00	1		
● 6 x 12 m Pool - White	12223	13700,00	1		
● 3 x 6 m Pool - Solar Blue	12224	8845,00	1		
● 4 x 8 m Pool - Solar Blue	12225	7824,00	1		
● 5 x 10 m Pool - Solar Blue	12226	10406,00	1		
● 6 x 12 m Pool - Solar Blue	12227	19180,00	1		

PS: This is a no-stock item. Produced according to order.



Cover Reels

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Cover Reel. Made of ABS plastic, complete with cover tie set.	12113	144,00	1	6,100	0,047
● Ditto, Made of stainless steel, complete with cover tie set.	12115	422,00	1		
● 3 x 2 m Aluminium Telescopic Cover Bar.	121131	215,00	1	6,394	0,039

PS. Please ask quotation for "telescopic cover bar"



Pool Ice Barrier

Pool Ice Barrier. Made of Plastic. 49 x 24 cm size floating barrier is arrayed all around the pool perimeter. Protects the pool coating by absorbing the expansion of freezing at very low atmospheric temperature.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Ice Barrier	1297105	8,00	1		



OLYMPIC POOL PARTS



13	Valves, Unions and Fittings
14	Olympic Pool Accessories

207
221



NEW !



Ball Valves

Ball Valves in PVC. Slip connection; adjustable ball pressure as well as patented union-screwing by means of handle. HDPE seats and EPDM O-rings. PN 16.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• d.50 mm	131115L	9,25	6		
• d.63 mm	131116L	12,20	6		
• d.75 mm	131117L	32,00	2		
• d.90 mm	131118L	42,00	2		
• d.110 mm	131119L	62,00	1		

Ball Valves in PVC. Slip connection and adjustable ball pressure. HDPE seats and EPDM O-rings. PN 16.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• d.20 mm	131111	5,85	12	2,050	0,004
• d.25 mm	131112	6,20	12	3,420	0,005
• d.32 mm	131113	7,30	12	4,500	0,011
• d.40 mm	131114	7,90	12	5,490	0,011
• d.50 mm	131115	9,25	6	4,480	0,013
• d.63 mm	131116	12,20	6	6,600	0,020
• d.75 mm	131117	32,00	2	5,330	0,020
• d.90 mm	131118	42,00	2	5,100	0,020
• d.110 mm	131119	62,00	1		

Ball Valves in PVC. Threaded connection and adjustable ball pressure. EPDM o-rings and HDPE seats. PN 16.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• d.20 mm	131111T	7,90	12	1,618	0,008
• d.25 mm	131112T	8,35	12	2,474	0,006
• d.32 mm	131113T	10,00	12	3,518	0,010
• d.40 mm	131114T	10,60	12	5,812	0,015
• d.50 mm	131115T	12,20	6	4,682	0,013
• d.63 mm	131116T	15,00	6	8,598	0,024
• d.75 mm	131117T	36,00	2	5,239	0,020
• d.90 mm	131118T	46,00	2	4,974	0,020
• d.110 mm	131119T	69,00	1	4,684	0,020

Industrial Ball Valves

PVC Industrial Ball Valve. Slip connection and adjustable ball pressure. For acidic liquid resistance, O-rings from viton, seal from teflon.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• d.20 mm	131121	8,40			
• d.25 mm	131122	10,60			
• d.32 mm	131123	14,20			
• d.40 mm	131124	17,55			
• d.50 mm	131125	20,50			
• d.63 mm	131126	25,00			

Industrial Ball Valves

PVC Industrial Ball Valve. Adjustable ball pressure and threaded connection. For acidic liquid resistance, O-rings from viton, seal from teflon. ND 16.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1/2"	131121T	10,35	12		
• 3/4"	131122T	12,60	12		
• 1"	131123T	16,00	12		
• 1 1/4"	131124T	19,35	12		
• 1 1/2"	131125T	23,40	6		
• 2"	131126T	27,70	6		



Motorized PVC Ball Valves

Motorized Ball Valves. In case of reverse contactor connection and pool circulation pump is switched off, it closes the suction line of balance tank automatically. In this way, it eliminates the risk of flooding to the engine room due to check valve problems of overflow pools. It can be used with "GEMAS Level Control", "GEMAS Flow Control" devices and also used with every kind of automation systems. 220V/50Hz.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 50 mm Motorized Valve	131115M	452,00	1	1,602	0,008
• Ø 60 mm Motorized Valve	131116M	624,00	1	1,876	0,008



3-Way Valves

3-Way Disk Valve. Made of PVC or ABS. Internal Ø 50 mm and external Ø 63 mm slip connection. Could be used as distributor at pump suction inlet and/or filter outlet.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3-Way Disk Valve	13171	33,00	1	0.698	0,004
• Midas 3-Way Disk Valve	13172	55,00	1		



Mini Valves

PP Mini Irrigation Valve.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1" x 3/4" Male-Female Valve	131210	1,25			
• 3/4" Male-Female Valve	131211	1,25			
• 1" Male-Female Valve	131212	1,25			
• 1" x 3/4" Female-Female Valve	131210D	1,25			
• 3/4" Female-Female Valve	131211D	1,25			
• 1" Female-Female Valve	131212D	1,25			



Butterfly Valves

GEMAS PVC BUTTERFLY VALVES. Complete with flanges + bolts & nuts.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 90 mm	131602	81,00	1		
• Ø 110 mm	131603	91,00	1		
• Ø 125 mm	131604	107,00	1		
• Ø 140 mm	131605	107,00	1		
• Ø 160 mm	131606	156,00	1		
• Ø 200 mm	131607	219,00	1		
• Ø 225 mm	131608	224,00	1		
• Ø 250 mm	131609	569,00	1		
• Ø 280 mm	131611	585,00	1		
• Ø 315 mm	131610	1295,00	1		

NEW !



Ø 90 - Ø 160

MOTORIZED BUTTERFLY VALVE, ON-OFF: Valve actuator, works with 24 V AC/DC. Complete with flanges, flange adaptors, bolts & nuts. All valves can be controlled manually with switch or flywheel. IP67.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 90 mm	131602M11	482,00	1		
• Ø 110 mm	131603M11	493,00	1		
• Ø 125 mm	131604M11	831,00	1		
• Ø 140 mm	131605M11	831,00	1		
• Ø 160 mm	131606M11	880,00	1		
• Ø 200 mm	131607M11	971,00	1		
• Ø 225 mm	131608M11	975,00	1		
• Ø 250 mm	131609M11	1864,00	1		
• Ø 280 mm	131611M11	1880,00	1		
• Ø 315 mm	131610M11	2600,00	1		

NEW !



Ø 200 - Ø 315

MOTORIZED BUTTERFLY VALVE, PROPOTIONAL: Valve actuator, works with 220 V AC. Complete with flanges, flange adaptors, bolts & nuts. All valves can be controlled manually with switch or flywheel. IP67.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 90 mm	131602M2	1725,00	1		
• Ø 110 mm	131603M2	1730,00	1		
• Ø 125 mm	131604M2	2330,00	1		
• Ø 140 mm	131605M2	2330,00	1		
• Ø 160 mm	131606M2	2510,00	1		
• Ø 200 mm	131607M2	2840,00	1		
• Ø 225 mm	131608M2	2850,00	1		
• Ø 250 mm	131609M2	3850,00	1		
• Ø 280 mm	131611M2	3930,00	1		
• Ø 315 mm	131610M2	4810,00	1		

Check Valves

PVC Wafer Check Valves. With flange adaptors and backing rings. (Excluding 131319)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 63 mm Slip connection	131500	16,00	1		
• Ø 75 mm Slip connection	131501	39,00	1		
• Ø 90 mm Slip connection	131502	50,00	1		
• Ø 110 mm Slip connection	131503Y	69,00	1		
• Ø 110 mm	131503	65,00	1		
• Ø 125 mm	131504	72,00	1		
• Ø 140 mm	131505	82,00	1		
• Ø 160 mm	131506	93,00	1		
• Ø 200 mm	131507	139,00	1		
• Ø 225 mm	131508	162,00	1		
• Ø 250 mm	131509	342,00	1		
• Ø 280 mm	131510	425,00	1		
• Ø 315 mm	131511	598,00	1		

Spring Weighed Check Valves. In PVC or ABS. Slip or threaded. EPDM O-rings. AISI 316 quality spring. ND 16

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 50 mm	131315	9,95	6	3,500	0,014
• Ø 63 mm	131316	13,20	6	5,520	0,026
• Ø 75 mm	131317	31,00	2	3,772	0,020
• Ø 90 mm	131318	34,50	2	3,524	0,020
• Ø 50 mm - Transparent	131315PC	20,00	6	3,500	0,014
• Ø 63 mm - Transparent	131316PC	25,00	6	5,520	0,026
• Ø 75 mm - Transparent	131317PC	56,00	2	3,772	0,020
• Ø 90 mm - Transparent	131318PC	65,00	2	3,524	0,020



Valve Boxes



Valve Box. Designed to supply access to valves which are on the undersoil line. Manufactured from PP.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 250 mm, circular (10")	135601	12,00	1		
• 250 x 375 mm, prismatic (12")	135602	26,50	1		



Flange Adaptors and Flanges

PVC Flange Adaptor



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 90 mm	133908	1,46			
• Ø 110 mm	133909	2,33			
• Ø 125 mm	133910	3,11			
• Ø 140 mm	133911	4,05			
• Ø 160 mm	133912	5,94			
• Ø 200 mm	133913	8,35			
• Ø 225 mm	133914	9,08			
• Ø 250 mm	133915	38,00			
• Ø 280 mm	133916	39,00			
• Ø 315 mm	133917	56,00			

PVC Flange



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 90 mm	1331008	2,70			
• Ø 110 mm	1331009	2,88			
• Ø 125 mm	1331010	3,81			
• Ø 140 mm	1331011	3,77			
• Ø 160 mm	1331012	5,11			
• Ø 200 mm	1331013	9,79			
• Ø 225 mm	1331014	9,79			
• Ø 250 mm	1331015	47,25			
• Ø 280 mm	1331016	47,25			
• Ø 315 mm	1331017	49,00			

PVC Fittings - Elbow

“Elbow, 90°”

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 20 mm	133101	0,26			
• Ø 25 mm	133102	0,32			
• Ø 32 mm	133103	0,47			
• Ø 40 mm	133104	0,87			
• Ø 50 mm	133105	0,88	180	15,120	0,090
• Ø 63 mm	133106	1,10	100	16,600	0,090
• Ø 75 mm	133107	2,11	80	20,320	0,110
• Ø 90 mm	133108	2,93	50	19,300	0,110
• Ø 110 mm	133109	4,95	30	18,240	0,110
• Ø 125 mm	133110	7,37	14	12,040	0,090
• Ø 140 mm	133111	10,91	10	11,900	0,090
• Ø 160 mm	133112	14,12	6	12,240	0,090
• Ø 200 mm	133113	34,46	1	4,600	0,014
• Ø 225 mm	133114	50,20	1	5,000	0,042
• Ø 250 mm	133115	126,00			
• Ø 280 mm	133116	197,00			
• Ø 315 mm	133117	223,00			

“Elbow, 45°”

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 20 mm	133201	0,26			
• Ø 25 mm	133202	0,30			
• Ø 32 mm	133203	0,46			
• Ø 40 mm	133204	0,81			
• Ø 50 mm	133205	0,85	225	12,150	0,090
• Ø 63 mm	133206	1,01	120	17,300	0,090
• Ø 75 mm	133207	2,02	100	22,200	0,110
• Ø 90 mm	133208	2,72	50	15,500	0,110
• Ø 110 mm	133209	4,78	30	14,400	0,110
• Ø 125 mm	133210	7,03	1	0,750	0,005
• Ø 140 mm	133211	10,09	1	1,000	0,006
• Ø 160 mm	133212	14,06	1	1,800	0,006
• Ø 200 mm	133213	30,15	1	3,500	0,017
• Ø 225 mm	133214	49,50	1	3,750	0,019
• Ø 250 mm	133215	108,00	1		
• Ø 280 mm	133216	180,00	1		
• Ø 315 mm	133217	192,00	1		



PVC Fittings - Tee

"Tee"



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 20 mm	133301	0,32			
• Ø 25 mm	133302	0,36			
• Ø 32 mm	133303	0,73			
• Ø 40 mm	133304	0,98			
• Ø 50 mm	133305	1,01	115	15,640	0,090
• Ø 63 mm	133306	1,41	75	16,650	0,090
• Ø 75 mm	133307	2,48	50	17,900	0,110
• Ø 90 mm	133308	3,83	30	16,800	0,110
• Ø 110 mm	133309	6,01	20	18,200	0,110
• Ø 125 mm	133310	9,05	9	10,460	0,090
• Ø 140 mm	133311	14,63	5	8,300	0,090
• Ø 160 mm	133312	20,14	4	10,000	0,090
• Ø 200 mm	133313	36,00	1	6,100	0,038
• Ø 225 mm	133314	68,00	1	6,450	0,048
• Ø 250 mm	133315	139,00	1		
• Ø 280 mm	133316	214,00	1		
• Ø 315 mm	133317	249,00	1		

PVC Fittings - Tee

"Reducing Tee"



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 63 - Ø 50 mm	13330061	2,48			
• Ø 75 - Ø 50 mm	13330071	5,96			
• Ø 75 - Ø 63 mm	13330072	3,49			
• Ø 90 - Ø 63 mm	13330081	4,90			
• Ø 90 - Ø 75 mm	13330082	5,06			
• Ø 110 - Ø 63 mm	13330091	6,75			
• Ø 110 - Ø 75 mm	13330092	6,98			
• Ø 110 - Ø 90 mm	13330093	7,31			
• Ø 125 - Ø 75 mm	13330101	14,33			
• Ø 125 - Ø 90 mm	13330102	13,64			
• Ø 125 - Ø 110 mm	13330103	12,09			
• Ø 140 - Ø 90 mm	13330111	20,02			
• Ø 140 - Ø 110 mm	13330112	18,23			
• Ø 140 - Ø 125 mm	13330113	22,00			
• Ø 160 - Ø 63 mm	13330121	24,75			
• Ø 160 - Ø 75 mm	13330122	23,63			
• Ø 160 - Ø 90 mm	13330123	22,50			
• Ø 160 - Ø 110 mm	13330124	21,38			
• Ø 160 - Ø 125 mm	13330125	30,38			
• Ø 160 - Ø 140 mm	13330126	36,50			
• Ø 200 - Ø 75 mm	13330131	42,75			

PVC Fittings - Tee

"Reducing Tee"

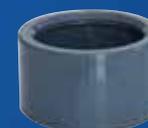
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 200 - Ø 90 mm	13330132	32,38			
• Ø 200 - Ø 110 mm	13330133	37,12			
• Ø 200 - Ø 125 mm	13330134	41,63			
• Ø 200 - Ø 140 mm	13330135	39,38			
• Ø 200 - Ø 160 mm	13330136	36,56			
• Ø 225 - Ø 110 mm	13330141	61,43			
• Ø 225 - Ø 125 mm	13330142	67,50			
• Ø 225 - Ø 140 mm	13330143	65,25			
• Ø 225 - Ø 160 mm	13330144	62,30			
• Ø 225 - Ø 200 mm	13330145	75,94			



PVC Fittings - Reducing Sockets

"Reducing Socket"

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 50 - Ø 40 mm	133602	0,34			
• Ø 63 - Ø 50 mm	133605	0,51	252	15,120	0,050
• Ø 75 - Ø 63 mm	133606	0,50	150	13,800	0,050
• Ø 90 - Ø 75 mm	133607	0,72	88	11,090	0,050
• Ø 110 - Ø 90 mm	133608	1,70	48	11,280	0,050
• Ø 75 - Ø 50 mm	1336061	0,74	150	13,800	0,050
• Ø 90 - Ø 63 mm	1336071	0,87	88	14,260	0,050
• Ø 110 - Ø 75 mm	1336081	2,00	48	14,290	0,050
• Ø 110 - Ø 63 mm	1336082	2,12	48	12,000	0,050
• Ø 125 - Ø 90 mm	1336091	2,70	36	13,460	0,050
• Ø 125 - Ø 110 mm	133609	1,55	36	9,140	0,050
• Ø 140 - Ø 90 mm	133612	4,22	23	10,670	0,050
• Ø 140 - Ø 110 mm	1336121	2,81	23	9,290	0,050
• Ø 140 - Ø 125 mm	1336122	1,88	23	7,220	0,050
• Ø 160 - Ø 90 mm	133610	6,42	15	9,900	0,050
• Ø 160 - Ø 110 mm	133611	4,62	15	8,610	0,050
• Ø 160 - Ø 140 mm	13366111	2,48	15	7,860	0,050
• Ø 200 - Ø 160 mm	133672	7,04			
• Ø 200 - Ø 140 mm	133671	9,51			
• Ø 225 - Ø 200 mm	133681	8,44			
• Ø 225 - Ø 160 mm	133682	15,75			



Conical Reductions



“Conical Reduction”

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 75 - Ø 50 mm	1339071	1,30			
• Ø 75 - Ø 63 mm	1339072	1,50			
• Ø 90 - Ø 63 mm	1339082	2,15			
• Ø 110 - Ø 63 mm	1339091	3,45			
• Ø 160 - Ø 110 mm	13390121	13,00			
• Ø 200 - Ø 110 mm	13390131	20,15			

Unions



PVC Unions, Both Sides Female Socket. O-rings in EPDM.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• d.20 mm	132111	1,52		0,042	
• d.25 mm	132112	2,14		0,072	
• d.32 mm	132113	2,93		0,094	
• d.40 mm	132114	3,21		0,105	
• d.50 mm	132115	4,39		0,244	
• d.63 mm	132116	5,18		0,240	



PVC Unions. Female socket / Male threaded.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2" - d.50 mm	132121	4,61		0,196	
• 2" - d.63 mm	132122	5,56		0,318	
• 1 1/2" - d.63 mm Male Adapter.	132123	5,50		0,310	



136115

136125

PVC Hose Connection. O-rings in EPDM. One side is external threaded, the other side is internal slip.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For d.38 mm hose-1 1/2"	136115	2,45		0,032	
• For d.38 mm hose-1 1/2" used above adaptor	136125	2,45		0,044	

PVC Fittings-Adaptors-Caps and Sockets

“Adaptor Sockets”

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 50 mm	133405	1,01	120	12,720	0,050
• Ø 63 mm	133406	1,44	87	14,790	0,050
• Ø 75 mm	133407	2,09	120	25,200	0,090
• Ø 90 mm	133408	2,59	80	24,800	0,090
• Ø 110 mm	133409	4,17	44	22,180	0,090

“Adaptor Nipple”

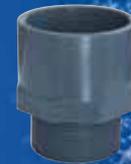
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 50 mm	133505	1,01	156	16,230	0,050
• Ø 63 mm	133506	1,52	116	16,470	0,050
• Ø 75 mm	133507	2,09	120	24,720	0,090
• Ø 90 mm	133508	3,55	75	23,400	0,090
• Ø 110 mm	133509	4,56	35	13,580	0,090

“Caps”

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 40 mm	133704	0,39			
• Ø 50 mm	133705	0,56	262	13,100	0,050
• Ø 63 mm	133706	0,68	130	10,400	0,050
• Ø 75 mm	133707	1,15	80	9,760	0,050
• Ø 90 mm	133708	1,46	46	9,940	0,050
• Ø 110 mm	133709	2,14	33	12,870	0,050
• Ø 125 mm	133711	3,49	21	8,820	0,050
• Ø 140 mm	133712	4,39	14	11,060	0,050
• Ø 160 mm	133713	7,99	8	9,200	0,050
• Ø 200 mm	133714	12,71			
• Ø 225 mm	133715	21,43			
• Ø 250 mm	133716	32,63			
• Ø 280 mm	133717	46,12			
• Ø 315 mm	133718	60,72			

“Plug” Male threaded

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 1/2” With Gasket	133705T	3,75			
• 2” With Gasket	133706T	4,25			



Male Threaded Plug

U-PVC Sockets



“Socket”

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 20 mm	133821	0,19			
• Ø 25 mm	133822	0,24			
• Ø 32 mm	133823	0,27			
• Ø 40 mm	133824	0,43			
• Ø 50 mm	133805	0,44	120	11,520	0,050
• Ø 63 mm	133806	0,69	87	12,350	0,050
• Ø 75 mm	133807	1,40	120	23,760	0,090
• Ø 90 mm	133808	1,76	60	16,500	0,090
• Ø 110 mm	133809	2,98	45	20,330	0,090
• Ø 125 mm	133804	3,69	22	18,400	0,090
• Ø 140 mm	133803	4,35	12	11,180	0,090
• Ø 160 mm	133802	6,51	12	19,080	0,090
• Ø 200 mm	133810	14,63			
• Ø 225 mm	133811	23,52			
• Ø 250 mm	133812	40,00			
• Ø 280 mm	133813	63,40			
• Ø 315 mm	133814	78,64			

U-PVC Pipes - 6 bars



U-PVC Solvent Cement Socket Pressure Pipes for Clean Water: PVC Clean Water Pipes have a smooth and a regular surface. Resistant to pressure and atmosphere conditions. With its high durability to chemicals, it is suitable for all kinds of liquid flow. Manufactured according to the norms of TS274, EN 1452 and DIN 8062,19532. They are the most common products that are used for the transfer of clean water with their simple installation and transfer, durability and healthy structure. As Quality is the major principle for our Quality. Tests and analysis are done regularly at the laboratory.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 20 mm	1390616	-			
• Ø 25 mm	1390617	-			
• Ø 32 mm	1390618	-			
• Ø 40 mm	1390619	-			
• Ø 50 mm	1390601	1,41			
• Ø 63 mm	1390602	2,21			
• Ø 75 mm	1390603	3,07			
• Ø 90 mm	1390604	4,44			
• Ø 110 mm	1390605	5,29			
• Ø 125 mm	1390606	6,86			
• Ø 140 mm	1390607	8,54			
• Ø 160 mm	1390608	11,11			
• Ø 200 mm	1390609	17,17			
• Ø 225 mm	1390610	21,82			
• Ø 250 mm	1390611	26,87			
• Ø 280 mm	1390612	33,75			
• Ø 315 mm	1390613	42,66			
• Ø 355 mm	1390614	54,63			
• Ø 400 mm	1390615	69,08			

U-PVC Pipes - 10 bars - 16 bars

U-PVC Solvent Cement Socket Pressure Pipes for Clean Water. 10 BARS

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 20 mm	1391000	-			
• Ø 25 mm	1391001	0,64			
• Ø 32 mm	1391002	0,93			
• Ø 40 mm	1391003	1,36			
• Ø 50 mm	1391004	2,16			
• Ø 63 mm	1391005	3,35			
• Ø 75 mm	1391006	4,80			
• Ø 90 mm	1391007	6,86			
• Ø 110 mm	1391008	8,32			
• Ø 125 mm	1391009	10,72			
• Ø 140 mm	1391010	13,52			
• Ø 160 mm	1391011	17,73			
• Ø 200 mm	1391012	27,42			
• Ø 225 mm	1391013	34,48			
• Ø 250 mm	1391014	42,81			
• Ø 280 mm	1391015	53,92			
• Ø 315 mm	1391016	67,00			
• Ø 355 mm	1391017	85,36			
• Ø 400 mm	1391018	107,85			

U-PVC Solvent Cement Socket Pressure Pipes for Clean Water. 16 BARS

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Ø 20 mm	1391601	0,52			
• Ø 25 mm	1391602	0,83			
• Ø 32 mm	1391603	1,33			
• Ø 40 mm	1391604	2,05			
• Ø 50 mm	1391605	3,17			
• Ø 63 mm	1391606	5,06			
• Ø 75 mm	1391607	7,16			
• Ø 90 mm	1391608	10,25			
• Ø 110 mm	1391609	12,58			
• Ø 125 mm	1391610	16,05			
• Ø 140 mm	1391611	20,16			
• Ø 160 mm	1391612	26,33			
• Ø 200 mm	1391613	40,87			
• Ø 225 mm	1391614	51,74			
• Ø 250 mm	1391615	63,62			
• Ø 280 mm	1391616	80,14			
• Ø 315 mm	1391617	101,33			
• Ø 355 mm	1391618	129,49			
• Ø 400 mm	1391619	164,83			



PVC Solvent Cements

“PVC Solvent Cement”

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 kg	13520	18,60			
• PVC Hose Cement - 0,500 kg	13530	12,00			

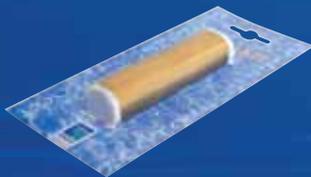
“Fast PVC Cements” Made in USA. Can be pressurized to system 15 minutes after application.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 1 kg	13540	35,00			

PVC Repairing Kit

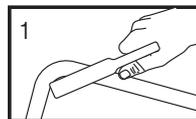
“GEMAS AQUAKIT”. Multipurpose repairing epoxy resin for dry and underwater-wet applications.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Price per piece	13551	8,80			

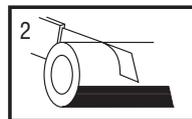


- Very practical solution for leaking PVC joints.
- Adheres & repairs also underwater.
- Hardens within 15 minutes.
- Simple to apply.

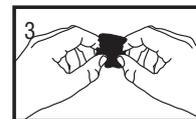
Application:



1. Make surface rough with sandpaper or steel brush.



2-3. Tear off required quantity and knead it until you get a single colour (± 1 minute)

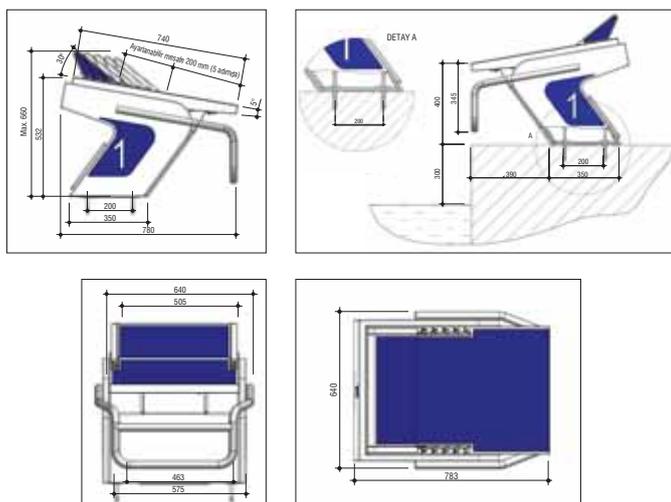


4. Apply on the required spot.

Starting Platforms

Track-Start Platforms. Made of FRP, AISI 304 stainless steel handles. Foot rest pad can be adjusted to front or back. Platform in non-slip and large surface.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Height: 400 mm	14141	1750,00	1		

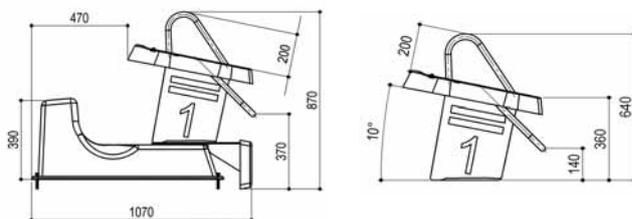


Fixed Starting Platforms. Made of FRP, AISI 304 quality stainless steel top and front handles. Height can be adjusted up to 700 mm through the elevation platform. FRP turning panels can be adapted to front side of the platform.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Height: 400mm	14151	575,00	1		
● Height: 700mm	14152	762,00	1		
● FRP Turning Panel (Optional)	14153	250,00	1		

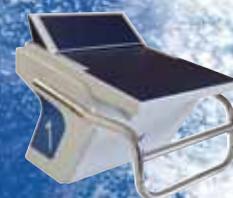


View with elevation platform



Starting Platform with Elevation and Turning Podiums. Made of FRP over steel frame, h=300 mm, height adjustable legs. Used with 400 mm height starting platforms. Each for every swim lane.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 2000 x 1000 mm	141411	1090,00	1		
● 2500 x 1000 mm	141412	1375,00	1		



NEW !



14152+14153

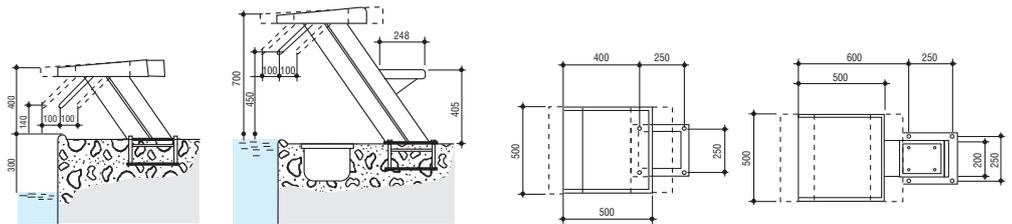
NEW !



Starting Platforms

Starting Platforms; Adjustable. Base in AISI 304 quality stainless steel, platform in fiberglass reinforced polyester with non-slip finish. 500 x 500 mm. Special anchor to be installed in concrete slab is upon request.

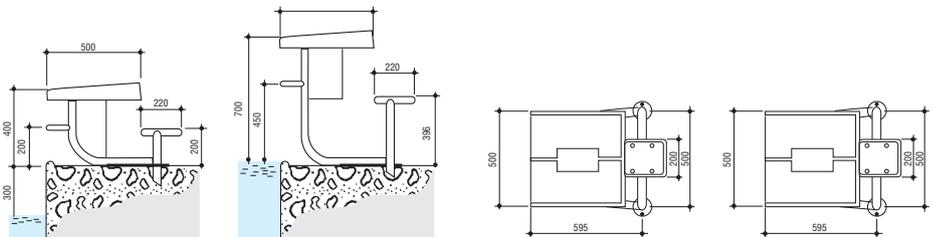
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Height : 700 mm	14111	1098,00	1	23,112	0,340
• Height : 400 mm	14112	875,00	1	17,200	0,375



Starting Platforms; Fixed. Base made of AISI 304 quality stainless steel Ø 42 mm. pipe, platform in fiberglass reinforced polyester with non-slip finish. 500 x 500 mm. Designed to be fixed with "14410" or "14430" anchors are not included.

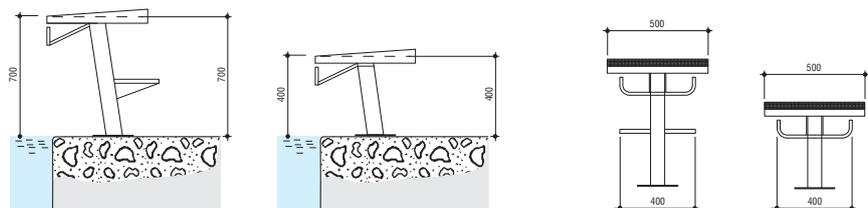
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Height : 700 mm	14121	632,00	1	10,520	0,225
• Height : 400 mm	14122	553,00	1	10,200	0,180

PS. Stainless steel anchors (Code: 14410 and 14430) are not included.



Starting Platforms; Fixed. Base made of AISI 304 quality stainless steel, platform in fiberglass reinforced polyester with non-slip finish. 500 x 500 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Height : 700 mm	14131	612,00	1		
• Height : 400 mm	14132	535,00	1		



Anchors

Level Anchors for Zurich and Wiesbaden Type Swimming Pools. In AISI 304 quality stainless steel, for Ø 42 mm pipe.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	14410	50,00	2	1,672	

Inclined Anchors for Finnish Type Swimming Pools. In AISI 304 quality stainless steel, for Ø 42 mm pipe.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	14420	50,00	2	1,020	

Level Anchors with Bolts for "14121" and "14122" Starting Platforms. In AISI 304 quality stainless steel for Ø 42 mm pipe.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	14430	71,00	2	1,240	



Turning Panels

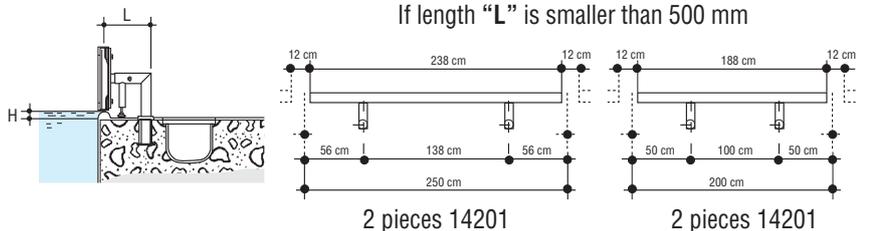
Turning Panels for Overflow Competition Pools. Frame in AISI 304 quality stainless steel frame screened with plastic grating. Height 300 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Lane width : 2,0 m	14210	450,00	1	12,000	
• Lane width : 2,5 m	14220	506,00	1	14,000	
• Support for turning panels in AISI 304 quality stainless steel.	14201	402,00	2	7,000	

PS. Designed to be fixed with "14410" or "14420" anchors which are not included.

"L" and "H" should be dimensioned when ordering.

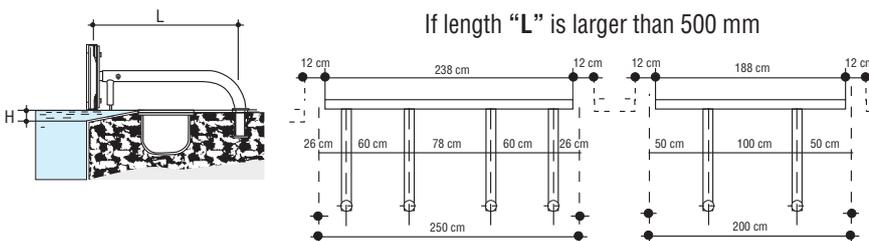
If length "L" is smaller than 500 mm



2 pieces 14201

2 pieces 14201

If length "L" is larger than 500 mm



4 pieces 14201

2 pieces 14201



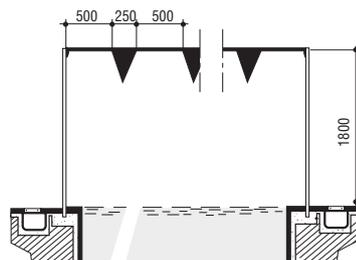
Post Set



Set of Backstroke Turn Indicators. Composed of 2 posts \varnothing 42 mm. in AISI 304 quality stainless steel. Height: 1,80 m. One of them is with a pulley and the other with a fixing element for cord. Complete with nylon cord and flags.

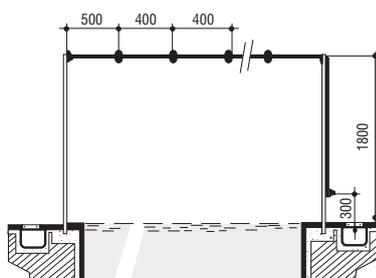
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For pools of 12,5 m width	14311	276,00	1	16,000	0,060
• For pools of 25 m width	14312	334,00	1	14,000	0,050

PS. Designed to be fixed with "14410" or "14420" anchors which are not included.



Set of False Start Posts. Composed of 2 posts \varnothing 42 mm. in AISI 304 quality stainless steel. Height: 1,80 m. One of them is with a pulley and the other with a fixing element for cord. Complete with plastic floats and nylon cord.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• For pools of 12,5 m width.	14321	225,00	1	12,000	0,057
• For pools of 25 m width.	14322	254,00	1	14,000	0,030



PS. Designed to be fixed with "14410" or "14420" anchors which are not included. Two sets are necessary for a competition pool.

Junior Water Polo Goal

NEW !



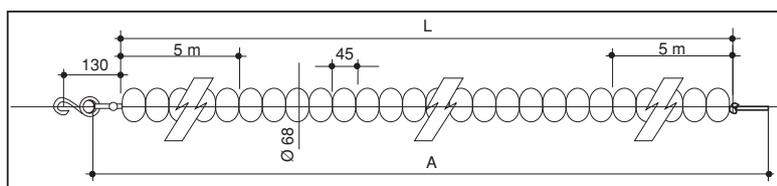
Junior Water Polo Goals. Made of Aluminium(Goal Frame) and FRP (Floating Base). Easily stored through its folding structure. It's 2/3 of senior goals. Used as game goal. Goal web is made of PP fiber and each mesh is knotted. Can be easily carried with carrying handle.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Junior Water Polo Goal	14710	2750,00	1		

Floating Lanes

Rome Model. Complete with plastic floats, nylon line and 1 hook "14650"

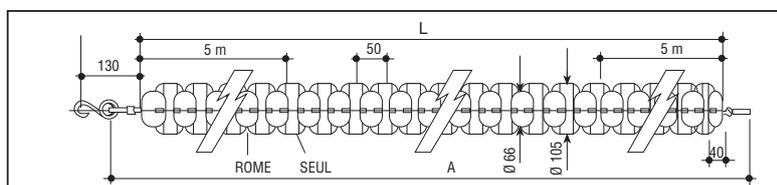
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Length : 25,00 m.	14511	312,00	1	8,700	0,135
• Length : 50,00 m.	14512	644,00	1	17,400	0,265



Code	L (m)	A (m)	# of floats - Rome, Colored	# of floats - Rome, White
0014511	25	27	232	318
0014512	50	52	232	868

Seul Model. Complete with plastic floats, nylon line and 1 hook "14650"

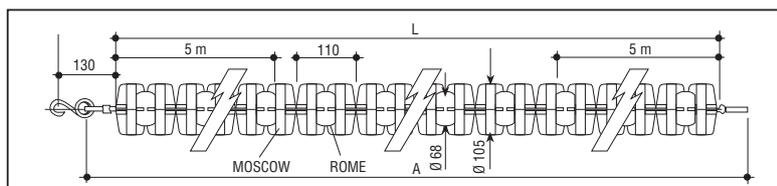
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Length : 25,00 m.	14521	541,00	1	23,700	0,340
• Length : 50,00 m.	14522	1093,00	1	47,400	0,620



Code	L (m)	A (m)	# of floats Seul, Colored	# of floats Rome, White	# of floats Seul, White	# of floats Rome, Colored
0014521	25	27	178	178	268	269
0014522	50	52	178	178	714	715

Moscow Model. Complete with plastic floats, nylon line and 1 hook "14650"

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Length : 25,00 m.	14531	594,00	1	22,150	0,340
• Length : 50,00 m.	14532	1340,00	1	44,300	0,620



Code	L (m)	A (m)	# of floats Moscow, Colored	# of floats Rome, White	# of floats Moscow, White	# of floats Rome, Colored
0014531	25	27	192	96	192	143
0014532	50	52	192	96	192	378



Floaters

“Rome Model”. Floater.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White	145101	0,71	500	7,000	0,110
• Orange	145102	0,71	500	7,000	0,110
• Blue	145103	0,71	500	7,000	0,110
• Red	145104	0,71	500	7,000	0,110

“Seul Model”. Floater.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White	145201	0,71	150	7,000	0,080
• Orange	145202	0,71	150	7,000	0,080
• Blue	145203	0,71	150	7,000	0,080
• Red	145204	0,71	150	7,000	0,080

NEW!

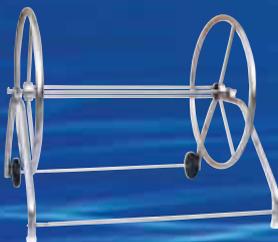


Floating Lane Accessories

Separator Collector Trolley. It has 4 wheels which 2 of them with brakes. Covered with PVC canvas for avoiding dripping out of excess water. Design to carry 1 piece 50m separator. It's for the installation of the separator with stainless steel anchors in the overflow pools. AISI 304 quality stainless steel. Dimension is 200 x 100 x 84. Has a 3/4" release valve in the bottom, to drain collected water.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	14680	1800,00	1		

Float Lane Roller. Made of AISI 304 quality stainless steel, Ø 42 pipe. Width: 1,20 m.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Width: 1,20 m	14660	1312,00	1	25,000	2,200
• Width: 1,80 m	14661	1940,00	1		

Roller Capacity: Width 1,20 m

FLOAT LINE	25 m	33 m	50 m
Seul Model	4	2	2
Rome Model	8	6	4
Moscow Model	4	2	2

Roller Capacity: Width 1,80 m

FLOAT LINE	25 m	33 m	50 m
Seul Model	6	3	3
Rome Model	12	9	6
Moscow Model	6	3	3

Float Line. Rope.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Nylon. Ø 7 mm. Price per meter.	14631	1,75	160 m	8,420	0,025
• Plastified Stainless Steel. Ø 5 mm. Price per meter.	14632	8,25			

Floating Lane Accessories

Floating Line Tensor with Spring. In chrome plated bronze.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	14641	111,00	1	0,686	0,001

Floating Line Tensor with Screw. In AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	14642	74,00	6	0,182	

Rope Anchor. Made of bronze. 3/4".

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	14651	8,00		0,186	

Line Hook. To be attached at one end of float lane. In AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	14650	11,85	12	0,648	0,002

Lane Anchor Cup.

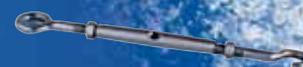
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● In chrome plated bronze	14610	85,00	1	0,566	0,001
● In Stainless Steel	14611	58,00	1		

Float Support. To be used with anchors "14410" and 14420". In AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	14620	50,00	2	0,520	

Refree Seat. Made of AISI 304 quality stainless steel and Ø 42 mm pipe.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	14670	1375,00	1		



NEW !

AUTOMATIC TIMING SYSTEMS FOR COMPETITION POOLS ALGE TIMEMANAGER TM-SWIM

PLEASE ASK PRICE ON PROJECT BASIS



ALGE TIMEMANAGER TM-SWIM SPECIFICATIONS

- PC based timing system
- Easy connection to new generation lap-top and PC with USB interface
- User friendly
- Swimlane control with 16 touchpads
- Audio and optic control for each swimlane
- Each swimlane can be connected to 5 independent timing channels (1 touchpad, 3 button, 1 Relay Time)
- Integrated battery system – 4 hours working time
- Integrated speaker system
- False start warning on the screen
- Detection and warning system for difference of timing channels
- Reliable Touchpads
- Saving the statistics values
- Compatible with FINA, SSCH, AAU, NCAA and LEN regulations.

AUTOMATIC TIMING SYSTEMS FOR COMPETITION POOLS ALGE TIMEMANAGER TM-SWIM

PC Software

Alge Swimtime Software provides the information of time-manager processor, with user friendly and visual interface. Available for all Windows Systems.

Timing Program

Competition Selection	Competitor Information	Relay Time	Swimlane Number	Current Position	Starting Time	Number of Touches	Total Time	Lap Time
1	Andree Brault		1	+	00:34.24	4	02:11.82	
2	Armenchak, Alexander Boris, SRB		2	-	00:32.14	4	02:11.73	+0.79
3	Armenchak, Alexander Boris, SRB		3	-	00:32.14	4	02:14.32	+0.80
4	Armenchak, Alexander Boris, SRB		4	-	00:32.01	4	02:14.20	+0.81
5	Armenchak, Alexander Boris, SRB		5	-	00:32.01	4	02:14.20	+0.81
6	Armenchak, Alexander Boris, SRB		6	-	00:32.01	4	02:14.20	+0.81
7	Armenchak, Alexander Boris, SRB		7	-	00:32.01	4	02:14.20	+0.81
8	Armenchak, Alexander Boris, SRB		8	-	00:32.01	4	02:14.20	+0.81
9	Armenchak, Alexander Boris, SRB		9	-	00:32.01	4	02:14.20	+0.81
10	Armenchak, Alexander Boris, SRB		10	-	00:32.01	4	02:14.20	+0.81
11	Armenchak, Alexander Boris, SRB		11	-	00:32.01	4	02:14.20	+0.81
12	Armenchak, Alexander Boris, SRB		12	-	00:32.01	4	02:14.20	+0.81
13	Armenchak, Alexander Boris, SRB		13	-	00:32.01	4	02:14.20	+0.81
14	Armenchak, Alexander Boris, SRB		14	-	00:32.01	4	02:14.20	+0.81
15	Armenchak, Alexander Boris, SRB		15	-	00:32.01	4	02:14.20	+0.81
16	Armenchak, Alexander Boris, SRB		16	-	00:32.01	4	02:14.20	+0.81
17	Armenchak, Alexander Boris, SRB		17	-	00:32.01	4	02:14.20	+0.81
18	Armenchak, Alexander Boris, SRB		18	-	00:32.01	4	02:14.20	+0.81
19	Armenchak, Alexander Boris, SRB		19	-	00:32.01	4	02:14.20	+0.81
20	Armenchak, Alexander Boris, SRB		20	-	00:32.01	4	02:14.20	+0.81



- User Friendly software
- Visual illustration
- Same layout with pool
- Free update for 10 years
- Back-up Battery
- Manage 16 swimlane
- Competitors Information

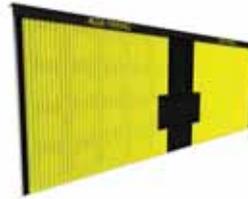


NEW!

COMPETITION POOL SCORE SYSTEM PRODUCTS



TimeManager TM-SWIM: It's the processor that all timing activities are processed and recorded. Easy connection to new generation lap-top and PC with USB interface. Automatic timing, recording and instant printout. In this way, printouts of all timings are obtained in case of a system issue. Complete with speaker, 4 hour battery for power cut, printer, score board, starting system, auditory and visual warning inputs. Measuring range is 23 hours, 59 minutes, 59,9999 seconds.



TouchPads TP2400/TP1800: The most important instrument of the system. Quality of this product determines quality of the system. The backside is made of stainless steel. To be found in two different swimlane measures.



SWIM Terminal SWT3: Needs to be installed to each swimlane. The TimeManager automatically finds and enumerates SWT3 which is founded in each swimlane. 5 different time channels can be connected to every SWT3 terminals; 1 x touchpad, 3 x Manuel Time Buttons, 1 x starting time.



Manuel Time Buttons: Waterproof design, 2 m cable.



Start Unit: Complete with integrated microphone and start button.



Track Start Blocks. Made of FRP. Foot rest pad can be adjusted for ergonomic start.



Active (SPA) and Passive (SPP) Speakers. Each active speakers includes a amplifier and controls a passive speaker.



Platform with Time Sensor: Can be adapted to available platforms. Starting time detection platform adaptor.



LED SCORE BOARDS : Options for 1, 8, 10 lines, wall matrix video options and options for colored displays.



Backstroke Starting Kit. Prevents the start through the glide from touching panel. Compatible with GEMAS Starting Platform

NEW!

ALGE

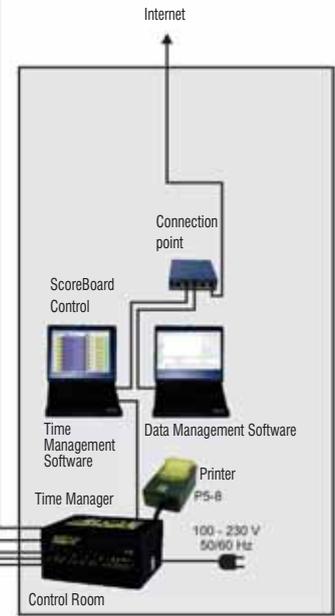
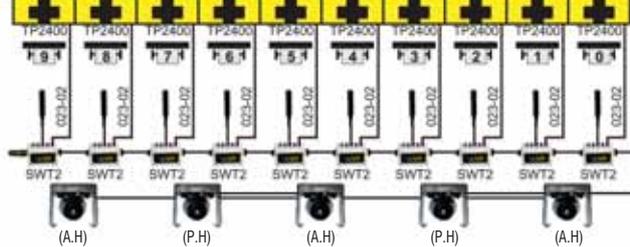
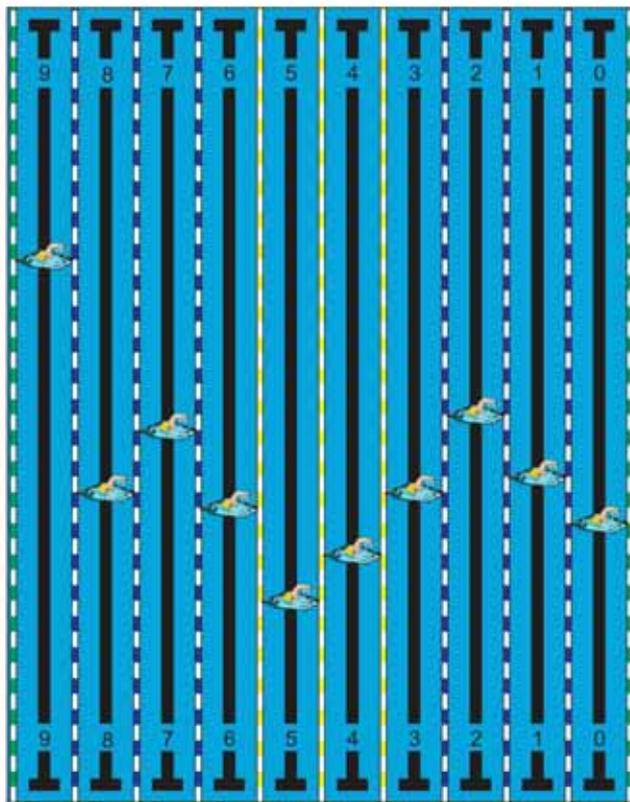
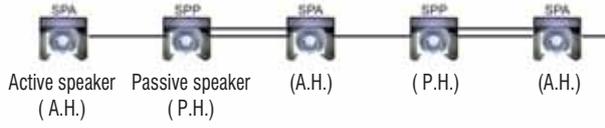
TIMING

SWIMTIME PACKAGE 1



SINGLE LINE DIGITAL SCOREBOARD

For 50 m pools, speaker is obligatory on the returning side.



NEW!

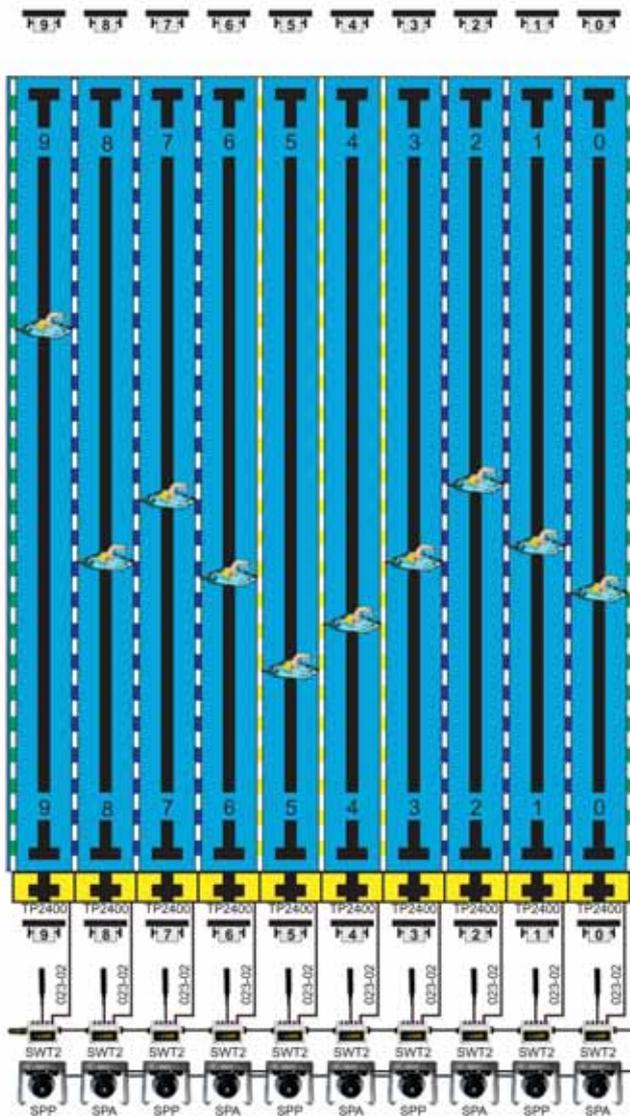
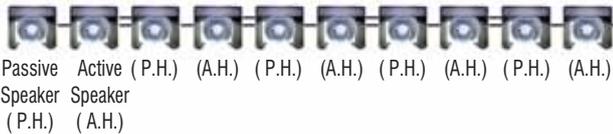
ALGE TIMING

SWIMTIME PACKAGE 2

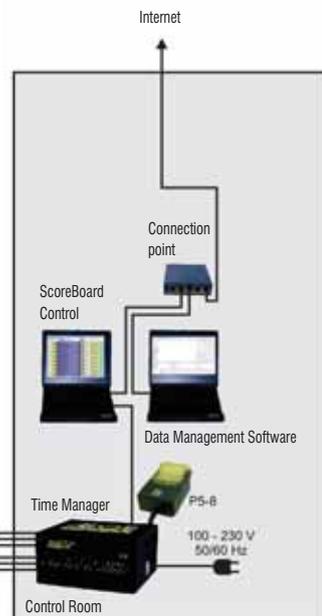
Evt. 202		Ht. 18		ALGE-TIMING			
RANK	LANE	TIME	RANK	LANE	TIME	PERIOD	
1	5	14:39.93	6	0	15:10.19		
HOME			GUEST				
2	4	14:50.59	7	2	15:23.43		
Timeout			Timeout				
3	3	14:52.53	8	1	15:41.25		
PENALTY 1			PENALTY 1				
4	6	14:53.83	9	7	16:08.00		
PENALTY 2			PENALTY 2				
5	8	14:59.11	0	9	17:33.88		

100 - 230 V
50/60 Hz

For 50 m pools, speaker is obligatory on the returning side.



E-Start Starting System



10 LINES MATRIX LED SCOREBOARD

Below seen videowall is optional

ALGE

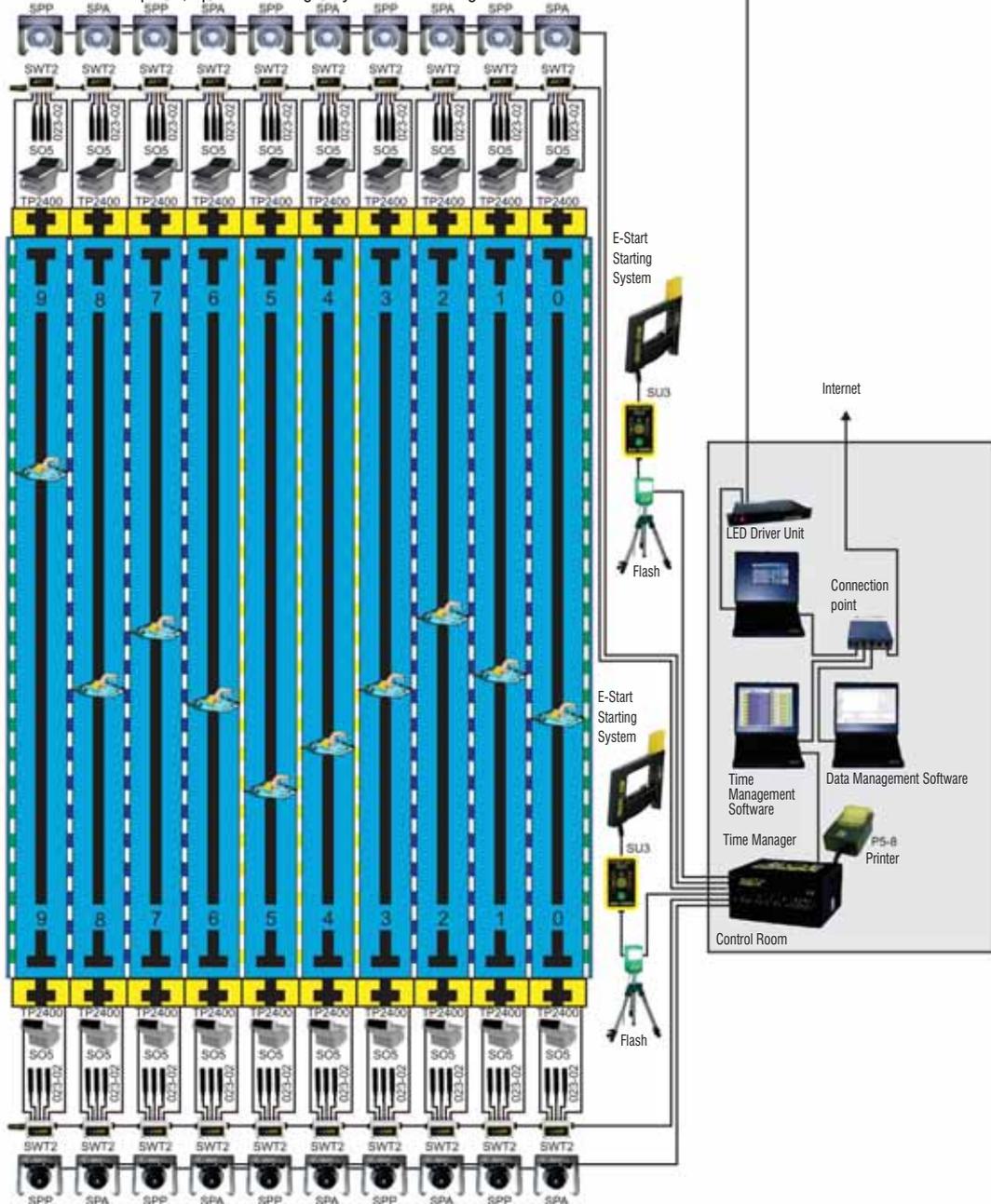
TIMING

SWIMTIME OLIMPIC SYSTEM

SWIMTIME PACKAGE 3

400 M MEDELEY - MEN						
HEAT 2 OF 4						
WR 4:03.84 CR 4:09.59 ER 4:06.16						
0		Nikola DIMITROV	BUL	34.30	1:36.71	7
1		Alexander KUDASHEV	RUS	25.30	1:32.14	1
2		Alpkan ORNEK	TUR	34.96	1:35.85	6
3		Jeremy Marc DESPLANCHES	SUI	33.10	1:33.37	3
4		Christoph MEIER	LIE	35.73	1:33.41	4
5		Diogo Filie CARVALHO	POR		DNS	
6		Pavel JANECEK	CZE	34.36	1:32.92	2
7		Bogdan KNEZEVIC	SRB	35.43	1:34.83	5
8		Uladzimir ZHYHARAU	BLR	36.79	1:37.37	9
9		Anton GONCHAROV	UKR	36.32	1:37.24	8

For 50 m pools, speaker is obligatory on the returning side.





ONLINE CATALOG



15 Spa & Sauna Equipments

235



Massage Jets

Freedom model massage jet. Water connection d.50 mm, air connection Ø 32 mm, complete with internal set. Recommended flow; 1,5 m³/h - 7 mSS

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1510-FS715	46,50	1	0,380	

Freedom model massage jet internal set. Adjustable type

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1510-FS00TA	17,50	1	0,090	

"Hydrojet" model massage jet. Complete with nozzle. Water and Air connection Ø 50 mm, PVC, including nozzle. Recommended flow; 1,5 m³/h - 7 mSS

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1510-4100	35,00	1	0,440	

SP-1434 A Model Massage Jet. Water and air connections Ø 50 mm; PVC, 2" inlet included. Recommended flow; 1,5 m³/h - 7 mwh

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1510-1434A	12,40	1		

SP-1434 ASS Model Massage Jet. Water and air connection Ø 50, PVC, 2" inlet included. Frame is stainless steel. Recommended flow; 1,5 m³/h - 7 mwh

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1510-1434ASS	17,50			



Massage Jets

"Hydrojet" Model Massage Jet Extension. L=105 mm, ABS.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1510-4400	32,50	1	0,214	

"Magna" Model Massage Jet Body. Water connection d.50, air connection d.32, excluding nozzle. Recommended flow; 2,7 m³/h - 7 mwh

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1510-4833	40,00	1	0,338	

To be used for "Magna" Model Massage Jet,

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Magna'SSage: Single mouth heading jet nozzle.	1516-4821	30,00	1	0,062	
• Magna'SSage: Double mouth swivel heading jet nozzle.	1516-4820	30,00	1	0,078	

Verta'SSage Jet Nozzle. Complete. Recommended Flow; 3 m³/h - 7 mwh

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1516-5651	161,00	1	0,768	

"Swimjet" Model Massage Jet. Water connection Ø 63 mm, air connection Ø 32 mm, length 145 mm. Recommended flow; 16 m³/h - 7 mwh

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1516-5759	64,00	1	0,420	



Massage Jets

“VENTURI TEE” Model Massage Jet Body. Water connection Ø 48,6 mm, length excluding nozzle: 260 mm. Suggested discharge: 5 m³/h - 7 mwh (Used for building massage station inside the pool).

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1510-4320	21,50	1	0,253	

“VENTURI TEE” Model Massage Jet Inlet

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• F.I.S. FITTINGS. Inlet for 1510 - 4320 Massage jet, white - ABS.	1510-3420	18,15	1	0,090	
• MICRO'SSAGE FITTING. Inlet for 10 - 4320 Massage jet, white - ABS. Revolving inlet .	1510-5274	64,00	1	0,218	

Air Jets

Air jet. 16 side outlets, Top outlets.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1511-9200	14,50	1	1,040	
•	1511-9201	8,25	1		



Blowers

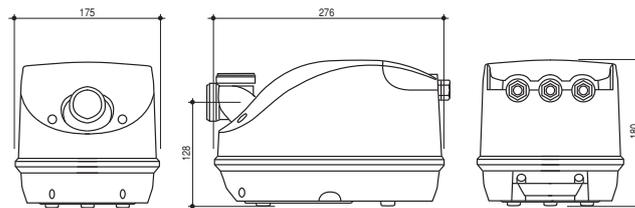
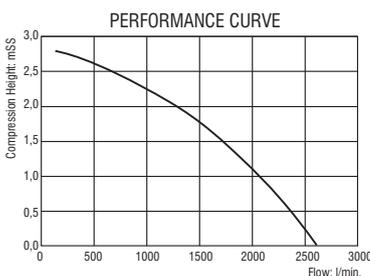
BLOWER FOR CONTINUOUS USE

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Triphase, 2,2 kw - R2" connections	15212	875,00	1	27,000	0,064
• Triphase, 1,1 kw - R2" connections	15211	721,00	1	18,000	0,055

BLOWER TYPE	HP (kW)	OUTPUT DIA	HEAD mSS					
			0,00	0,50	0,75	1,00	1,25	1,50
			DISCHARGE m ³ /h					
15212	2,2	2"	212,00	182,00	168,00	151,00	133,00	116,00
15211	1,1	1 1/2"	150,00	118,00	103,00	90,00	74,00	59,00

BLOWERS FOR DISCONTINUED USE. Genesis Blower 1,2 kW, 230 V/50 Hz. Maximum pressure: 3,0 mwh, Maximum recommended flow rate: 160 m³/h.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Genesis Blower 1,2 kW	15GB120-2NN-3	333,00	1	2,792	0,011
• Ditto, with heater	15GB120-2NN-3H	401,00	1		



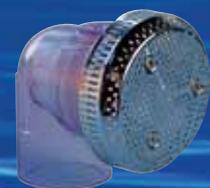
Suction Drain

"Slimline" Suction Drain

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White ABS, complete with nozzle. External diameter Ø 89 mm h=9 mm. Recommended suction flow 11 m ³ /h	1510-6906	29,00			
• Ditto, "HI VOLUME" Ø 99 mm. Recommended suction flow 18 m ³ /h	1510-6806	33,00			

"Big Type" Suction Drain

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• White ABS, 3" male threaded. Recommended suction flow 43 m ³ /h	1510-6201	41,00	1	1,222	



Air Buttons

“STANDARD” PNEUMATIC AIR BUTTON

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Body external diameter 31,5 mm, 3 mm tube connection.	1522-1043	16,25	1	0,020	
• Body external diameter 1”, 3 mm tube connection.	1522-1044	8,75			

“BIG SIZE” PNEUMATIC AIR BUTTON

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Big size, Ø 65 mm white PVC pneumatic button, h=67 mm. 4 mm tube connection. Can be depressed from 25 m.	1156433	35,00		0,035	
• h=37,5 mm ABS white lid	156438	16,25			

NEW !

Electronic Air Button

HYDRO-AIR “ELECTRONIC BUTTON”, Ø 64 mm. Work with driver panel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3 Function - Touchpad	1523-3619	106,00	1		
• Driver Panel	1523-36191	187,00	1		

Pneumatic Switch Boards

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PNEUMATIC SWITCH BOARD, Complete with contactor and circuit breaker for up to 4 kw triphase pumps. Assembled in a humid resistant plastic box.	05080	195,00	1	0,748	
• PNEUMATIC SWITCH. Permanent type	156871	12,50	1	0,020	
• PNEUMATIC SWITCH HOSE. Ø 2,0 - 4,0 mm. Price per meter.	15310	1,15			

Air Regulators

Standart Type Air Regulator

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Big model 1 1/4” male threaded	1510-2100	17,50	1	0,084	
• Small model 3/4” male threaded	1510-2200	12,50	1	0,036	
• Small model 1” male threaded. Chrome-plated.	1510-2300	13,75	1		

Caps

HYDRO-AIR "CAPS"

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Ø 32 mm	1520-1001	2,50	1	0,010	
● Ø 50 mm	1520-1015	3,60	1	0,036	
● Ø 63 mm	1520-1002	6,50	1	0,070	



PVC Flexible Hoses

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Ø 32 mm PVC Flexible Hose	15410	4,00			
● Ø 50 mm PVC Flexible Hose	15420	6,20			
● Ø 63 mm PVC Flexible Hose	15430	10,30			



"Rigid PVC Adhesive". PVC Flexible Hose Adhesive - 250 gr

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	13530	10,80	1	0,250	



Underwater Lights

"Mini 2001" Underwater Lights. Heat resistant plastic body, bottom outlet. Complete with 2 m cable. 50 W/12 V.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 2" Threaded body with plastic frame	05112T	33,00	4	2,100	0,007
● 2" Threaded body with chrome plated bronze frame	05112TC	54,00	4	2,400	0,007
● Slip type body with plastic frame	05112S	33,00	4	2,000	0,007
● Slip type body with chrome plated bronze frame	05112SC	54,00	4	2,300	0,007



Nut for Mini Underwater Light, for FR-Polyester Pools. Made of white ABS Plastic with 2" internal thread. Complete with gasket.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Nut with gasket for Mini underwater light	04237	2,70	35	1,474	0,006



NEW !

Ravelli SPA

Ravelli SPA - Hot Tubs



SPA S235



SPA S232



SPA S220



SPA S197



SPA S150

Description	Code	List Price Euro Without Panel / Panel	Pieces/ box	Weight Kg	Volume m ³
● SPA S235	151101	18428 / 1842	1	424,000	
● SPA S232	151103	17610 / 1761	1	417,000	
● SPA S220	151110	15834 / 1583	1	350,000	
● SPA S197	151121	12697 / 1270	1	270,000	
● SPA S150	151129	9161 / 654	1	230,000	

Features	SPA S235	SPA S232	SPA S220	SPA S197	SPA S150
People Capacity	6	5	5	4	3
Seats	6	3	4	3	2
Lounge	-	2	1	1	1
Dimensions	235 x 235 x h.93 cm	232 x 232 x h.93 cm	220 x 220 x h.93 cm	197 x 197 x h.93 cm	150 x 200 x h.93 cm
Volume Capacity	2048 lt	2025 lt	1750 lt	1260 lt	780 lt
Net Weight	424 kg	417 kg	350 kg	270 kg	230 kg
Gross Weight	2965 kg	2853 kg	2510 kg	1944 kg	1263 kg
Pump	3 (2 x 2 hp - 1 x 0,75 hp)	3 (2 x 2 hp - 1 x 0,75 hp)	3 (2 x 2 hp - 1 x 0,75 hp)	3 (2 x 2 hp - 1 x 0,75 hp)	2 (1 x 2 hp - 1 x 0,75 hp)
Air Blower	1 (750 W)				
Control Panel	LCD Digital				
Skimmer	1	1	1	1	1
Cartridge	1 x 35 Sq.Ft.				
Heater	1 (5,5 KW)				
Electrical Connection	220 - 240 V / 50 - 60 Hz / Mono	220 - 240 V / 50 - 60 Hz / Mono	220 - 240 V / 50 - 60 Hz / Mono	220 - 240 V / 50 - 60 Hz / Mono	220 - 240 V / 50 - 60 Hz / Mono
Max.Electric Consumption	11 kW - 38 A	11 kW - 38 A	11 kW - 38 A	11 kW - 38 A	9 kW - 38 A
Total Jets	37	41	31	25	27
Air Injectors	14	12	10	6	6
Power Spin 7PXS jet	3	1	1	2	-
Super Fit 5SFX Jet	2	5	4	1	3
UltraHydro 4UX Jet	10	8	6	4	4
UltraHydro 3UX Jet	6	-	-	-	-
UltraHydro 2UX Jet	-	5	3	-	8
Mini Flow Jet	2	10	7	12	6
Suctions	3	3	3	2	2
Cascade	1	1	1	1	1
Fountain	1	1	1	1	1
Lighting	1	1	1	1	1
Drain	1	1	1	1	1
Pillow	4	3	5	2	2
Handle	1	2	1	1	1



Ravelli SPA Accessories

NEW!



SPACADDY (Side Tray)
Price: 153 €

Vanilyn
Rose
Lemon
Melon
Orange
Ocaliptus
Berry

Perfume
Price: 54 €



COVER (Protector Cover)
Price: 1828 €



TOWELBAR. (Foldable)
Price: 93 €



SPA UMBRELLA
Finest Solution to protect from Sun and rain. 2-color options.
Price: 1931 €



COVERMATE ECO (Protector cover handle)
Price: 375 €



DURASTEP II
Helps to enter SPA.
700 kg capacity.
Price: 207 €



SELF-T-RAIL. (Handrail)
Price: 382 €



Redwood Brown Coastal Grey Espresso



Camel Terracotta

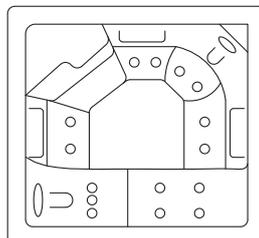


NEW!

Ravelli SPA



SPA S235 Code:151101
235 x 235 x 106 cm



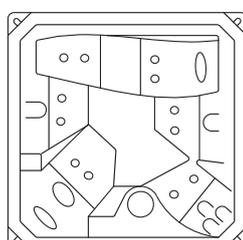
SPA S234 Code:151102
234 x 232 x 93 cm



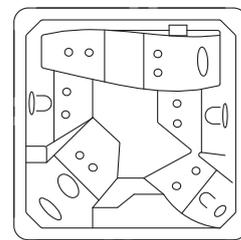
SPA S232 Code:151103
232 x 232 x 93 cm



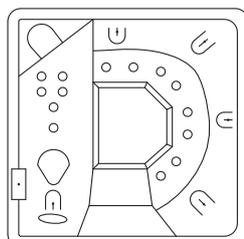
SPA S230 Code:151104
230 x 230 x 93 cm



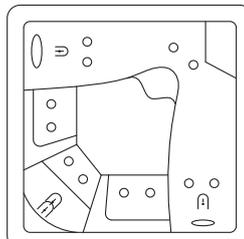
SPA S223 Code:151105
230 x 223 x 93 cm



SPA SX230 Code:151106
230 x 220 x 93 cm



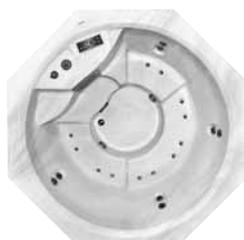
SPA S226 Code:151107
226 x 220 x 93 cm



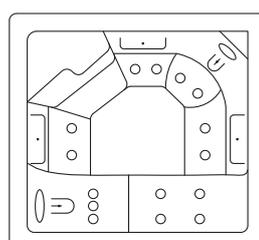
SPA S224 Code:151108
224 x 224 x 93 cm



SPA S220 Code:151110
220 x 220 x 93 cm



SPA S212 Code:151112
212 x 212 x 100 cm



SPA S215 Code:151113
215 x 200 x 93 cm

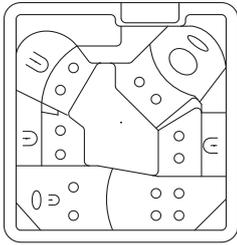


SPA S200 Code:151115
200 x 200 x 93 cm

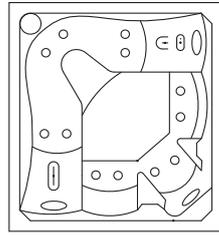
P L S . A S K P R I C E

Ravelli SPA

NEW!



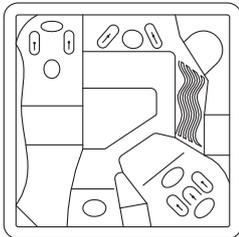
SPA S194 Code:151116
200 x 194 x 93 cm



SPA S217 Code:151118
217 x 201 x 93 cm



SPA S204 Code:151119
204 x 194 x 93 cm



SPA S198 Code:151120
198 x 198 x 93 cm



SPA S197 Code:151121
197 x 197 x 93 cm



SPA S178 Code:151127
178 x 178 x 93 cm



SPA S150 Code:151129
200 x 150 x 93 cm



SPA SX223 Code:151132
230 x 220 x 93 cm



SPA SK210 Code:151133
210 x 200 x 93 cm



SPA S195 Code:151134
200 x 195 x 93 cm



SPA S130 Code:151135
130 x 210 x 93 cm

P L S . A S K P R I C E

Sauna Heater



Sauna Heater With Onboard Control. JM series heater. Dimensions 32 x 32 x 53 cm. Stone capacity: 7,5 kg

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• JM-36BS, 3,6 kW Mono.	1811101	411,00	1		



Sauna Heater With Onboard Control. Made of stainless steel, SCASS series heater. Dimensions 43 x 30 x 60 cm. Stone capacity: 7,5 kg

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• SCASS-30NK, 3,0 kW Mono.	1811221	277,00	1		
• SCASS-45NK, 4,5 kW Mono.	1811222	285,00	1		
• SCASS-60NK, 6,0 kW Mono.	1811223	300,00	1		
• SCASS-80NK, 8,0 kW Tri.	1811224	311,00	1		
• SCASS-90NK, 9,0 kW Tri.	1811225	406,00	1		

Sauna Heater Stones

Heat-resist volcanic sauna stones.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 7,5 kg	181101	15,00	1		
• 20 kg	181102	25,00	1		

Sauna Heater

Sauna Heater External Control. Made of stainless steel, SCASS series heater. Dimensions: 43 x 30 x 60 cm. Stone capacity: 7,5 kg

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● SCASS-30, 3,0 kW Mono.	1811321	208,00	1		
● SCASS-45, 4,5 kW Mono.	1811322	214,00	1		
● SCASS-60, 6,0 kW Mono.	1811323	226,00	1		
● SCASS-80, 8,0 kW Tri.	1811324	241,00	1		
● SCASS-90, 9,0 kW Tri.	1811325	258,00	1		

Sauna Heater External Control. SAV series commercial heater. Dimensions: 69 x 55 x 52 cm. Stone capacity: 20 kg

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● SAV-105, 10,5 kW Tri.	1811411	925,00	1		
● SAV-120, 12,0 kW Tri.	1811412	970,00	1		
● SAV-150, 15,0 kW Tri.	1811413	1020,00	1		
● SAV-180, 18,0 kW Tri.	1811414	1295,00	1		

Sauna Heater External Control. SAV series commercial heater. Dimensions: 72 x 69 x 55 cm. Stone capacity: 30 kg

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● SAV-210, 21,0 kW Tri.	1811511	1705,00	1		
● SAV-240, 24,0 kW Tri.	1811512	1786,00	1		
● SAV-270, 27,0 kW Tri.	1811513	1965,00	1		
● SAV-300, 30,0 kW Tri.	1811514	2629,00	1		



Sauna Control and Power Control Boxes



Sauna Control and Power Control Boxes. Designed for external control sauna heaters. All models have a second safety thermostat for thermostat malfunction. Each control panel has a timer for setup of working hours.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● SCA Digital Control, 3-15 kW	181201	178,00	1		
● SAV Digital Control, 18-30 kW	181203	218,00	1		
● Power Control Box, for 18-30 kW	181204	238,00	1		

Sauna Construction Materials

Prefabricated Sauna Doors. Made of Knotty Finn pine. Complete with doorframe, 6 mm thick tempered glass.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● KS-D1, 200 x 71,5 x 5,5	181311	433,00	1		
● KS-D2, 200 x 71,5 x 5,5	181312	473,00	1		
● KS-D3, All-Glass	181313	424,00	1		



KS-D3 / 200 x 71,5 cm



KS-D2 / 71,5 x 200 cm



KS-D1 / 71,5 x 200 cm

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Sauna Door Hinge	181314	28,00	1		
● Sauna Door Lock	181315	48,00	1		
● Sauna Door Handle, Wooden	181316	44,00	1		



Sauna Construction Materials

Wooden Vent

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Grid, Constant 200 x 140 mm	181321	28,00	1		
● Flap 350 x 150 mm	181322	28,00	1		



Wooden Profiles for Sauna Construction

For Wall and Ceiling Coating. Abachi panel lengths between 210-220-240-250-300-400-420-440 cm. Scandinavian panel lengths between 210-220-240-250 cm. Price per meter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Abachi Panel 85 x 12 mm	1813341	4,50			
● Abachi Panel 85 x 15 mm	1813342	5,45			
● Scandinavian Panel, Knot-free 87 x 15 mm		3,56			
● Scandinavian Panel, Knot-free 87 x 18 mm		3,88			

For Sitting Groups. Abachi wooden profile lengths between 220-240 cm. Price Per Meter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Abachi Wooden Profile 95 x 15 mm	1813331	5,18			
● Abachi Wooden Profile 95 x 18 mm	1813332	6,19			

For Framework. Abies framework. Lengths 200, 300, 400. Price Per Meter.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Abies Framework. 5 x 5 cm	1813361	2,14			
● Abies Framework. 5 x 10 cm	1813362	4,21			

Sauna Accessories

Sauna Head Rest. Made of wood. Fixed and adjustable models are available.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Fixed Head Rest	1814011	41,25	1		
• Adjustable Head Rest	1814012	50,00	1		



Sauna Clocks. Made of wood.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Hourglass, Model I	1814021	23,00	1		
• Hourglass, Model II	1814022	31,00	1		
• Clock, for Sauna Entry	1814023	56,00	1		



Model I



Pilli saat



Model II

Sauna Wooden Bucket, Spoon, Brush. Made of wood. Buckets needs to be keep with water in it.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Wooden Bucket, Model I	1814031	38,00	1		
• Wooden Bucket, Model II	1814032	49,00	1		
• Wooden Bucket, Model III	1814033	71,00	1		
• Wooden Brush, with Removable Handle	1814041	18,00	1		
• Wooden Spoon	1814042	19,00			



Model I



Model II



Model III



Wooden Hanger. For Sauna Entry.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Quintet Hanger	1814051	15,00	1		



Sauna Accessories

Hygrometer - Thermometer. For humidity and temperature measurement inside the sauna.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Metallic Hygrometer-Thermometer, Combination	1814061	40,00	1		
• Wooden Thermometer	1814062	40,00	1		
• Wooden Hygrometer-Thermometer, Combination	1814063	58,00	1		
• Wooden Hygrometer-Thermometer, Monoblock	1814064	86,00	1		



1814062



1814063



1814064

Sauna Light. For lighting inside the sauna. All models have flame safety.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Sauna Light Model I, 10 x 16 cm	1814071	38,00	1		
• Sauna Light Model II, 18 x 18 cm	1814072	35,00	1		
• Sauna Light Model III, 18 x 18 cm	1814073	31,00	1		
• Sauna Light Model IV, 11 x 21 cm	1814074	31,00	1		



Model II



Model III



Model IV

Wooden Sauna Light Cover.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	18140705	29,00	1		



Ozonisator For Sauna Cabin, Deodoriser.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	1814081	50,00	1		



Sauna Perfumes. 250 ml.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Pinewood	1814091	24,00	1		
• Eucalyptus	1814092	24,00	1		
• Menthol	1814093	24,00	1		



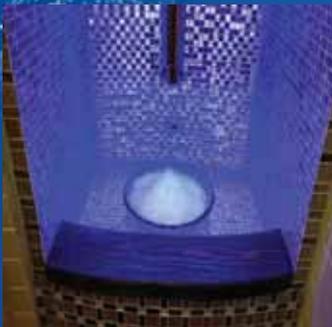
Bucket Shower



Bucket Shower. Made of Kaballah Wood. Completely handcrafted design, with AISI 304 quality stainless steel console and solid wooden bucket.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Bucket Shower	181501	560,00	1		

Snow Fountain



Snow Fountain. It's designed for refresh the body with small ice parts after sauna sessions. You can take the ice parts from the bucket and apply to your body. This application enables the skin to be more tightened, fastens the blood stream and makes the immunity system stronger. This unique relaxing therapy lets not only the skin tightened, but also refreshes the body. It can be repeated several times according to demand. Snow fountain can be adjustable to different variaties. It does not include any chemicals, it is %100 natural. The usage and maintenance of system is very easy. Snow fountain is not inside the sauna cabin so this system can be used also by the guests who does not like the cold or has high blood pressure and cardiac disease. It's an alternative to snowroom. This system is designed with glassmosaics and/or wood materials.

Accessories; Iced Glass Bowl, Stainless Steel Chrome Snow-Ice drain mouth, Snow Level Detection Sensor.

The ice particulars which are produced by the system do not harm the skin during the skin exposure.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Snow Fountain, Complete with Accessories	181502	8437,00	1		

Steam Generators with Electric Heater

FL Series Steam Generator. Device protection when it is without water. High pressure protection, automatic water fill up and drainage. All models should be used with an external control panel. One remote control panel can operate 2, 3 or 4 pieces combined with steam generator. Generator feeding water should not be over 0-5 Fh(Fench Hardness) hardness level. Otherwise it will be out of warranty. Complete with safety valve.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● FL-45, 4,5 kW	182101	926,00			
● FL-60, 6 kW	182102	1081,00			
● FL-80, 8 kW	182103	1150,00			
● FL-90, 9 kW	182104	1193,00			
● FL-120, 12 kW	182105	1286,00			
● FL-150, 15 kW	182106	1329,00			
● FL-180, 18 kW	182107	1486,00			

Control panels for steam generators with electric heater. The “Operating” light, steam room temperature display, working hour countdown, automatic disinfection function (ozone) can be observed outside the panel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● FAN - T, For 60/90 models	182201	281,00			
● FAN - M, For 120/180 models	182202	344,00			

STEAMER STEAM GENERATORS WITH ELECTRODE.

The product is not negatively effected from hard water. Automatic water filling and drainage. Device can be adjusted gradually and operated to the max. 10 kW level. Elektrode and tanks are washed automatically. Can be operated automatic and manual. Phase protection exists on the device. Body Stainless Steel 304 Quality. 40 x 200 mm LCD Board is on the device enabling to observe all the control values. 3 functional key gives oppurtunity for manual operation, automatic operation and stopping the system and draining. All devices are used with external control panels. 3 steam generators can be combined and controlled by 1 piece remote control.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● EL1000-3, up to 10 KW	182111	1884,00			

CONTROL PANEL FOR STEAMER STEAM GENERATORS WITH ELECTRODE.

Device is controlled with touch pad. The cabinet Lightning, ventilation and heating-steam function can be controlled separately with time clock trough the device. It can be programmed each week day separately. Same Control panel can control 3 pieces generators. Enables possibility to operate Monophase or Triphase .

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● ELKT1000	182211	788,00			



Steam Room Accessory Equipments

Steam Nozzle.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	182301	50,00	1		

Steam Bath Door. 8 mm thick tempered glass. Aluminium hinge, plastic handle. 71,5 x 200 x 5,5 cm

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	182401	605,00	1		

Steam Bath Door Handle. Made of plastic.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	1824011	56,00	1		

Adventure Shower

ADVENTURE SHOWER.

Adventure Showers enables different shower opportunities, with enriched special showerheads, cold and warm water with various intensities, refreshing fragrance dosing systems, rich light shows, thunder, nature sounds effects and featured sprays. Stimulates all the senses increases the feeling of relief and purifies. Easily maintained, operate without noise, easy assembly, 2 years spare parts warranty.

Types of Adventure Showers:

- 1- Tropical Storm Shower with 3 programs
- 2- Ocean Shower with 3 Programs
- 3- Polar Rain Shower with 2 Programs
- 4- Different Experience Shower with 2 Programs
- 5- Aroma Shower with 2 Programs
- 6- Fresh Aroma Shower with 2 Programs

All types include sound effects (mp3), perfumes dosing system, light effect system. Our Company can design different adventure showers according to demand. Different productions are possible such as , Multiple programs, different programs, different sound effects, adjustable program durations.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Adventure Shower with All inclusive Programs	183101	12362,00			

Prefabricated Construction Materials For SPA

Relaxation Beds. Made of Extruded polystyrene, XPS, hard foam and all surfaces are reinforced with fiber glass and covered with industrial plaster. There will no need of construction process, glass mosaics can be covered directly right after delivery. 920 x 700 x 1830 mm

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	184101	1606,00			

Steam Room Seats. Made of Extruded polystyrene, XPS, hard foam and all surfaces are reinforced with fiber glass and covered with industrial plaster. There will no need of construction process, glass mosaics can be covered directly right after delivery. 850 x 590 x 2000 mm

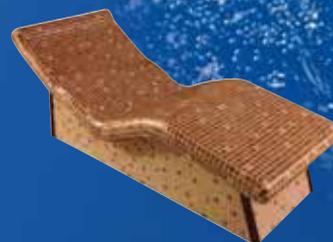
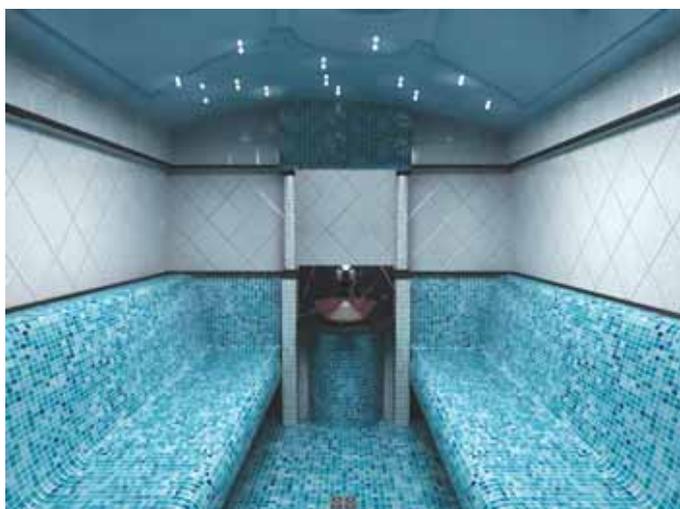
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	185101	1110,00			

Rounded Shower Cabin. Made of Extruded polystyrene, XPS, hard foam and all surfaces are reinforced with fiber glass and covered with industrial plaster. There will no need of constructive process, glass mosaics can be covered directly right after delivery. 50 x 1020 x 2000 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	186101	1985,00			

Spiral Shower Cabin. Made of Extruded polystyrene, XPS, hard foam and all surfaces are reinforced with fiber glass and covered with industrial plaster. There will no need of constructive process, glass mosaics can be covered directly right after delivery. 50x1575x1950x2000 mm

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	186102	3529,00			





Cascade Nozzles - Stainless Steel

Water level dependant foam-effect nozzles, should be operated under water level. Completely made of AISI 304 quality stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Cascade (50T) 1" Male threaded: Articulated. Ø 50 mm water column	161161	68,00	1		
● Cascade (70T) 1 1/2" Female threaded: Articulated. Ø 75 mm water column	161121	80,00	1		
● Cascade (90T) 2" Female threaded: Articulated. Ø 97 mm water column	161131	106,00	1		
● Cascade (110T) 2 1/2" Female threaded: Articulated. Ø 117 mm water column	161141	233,00	1		
● Cascade (130T) 3" Female threaded: Articulated. Ø 135 mm water column	161151	276,00	1		



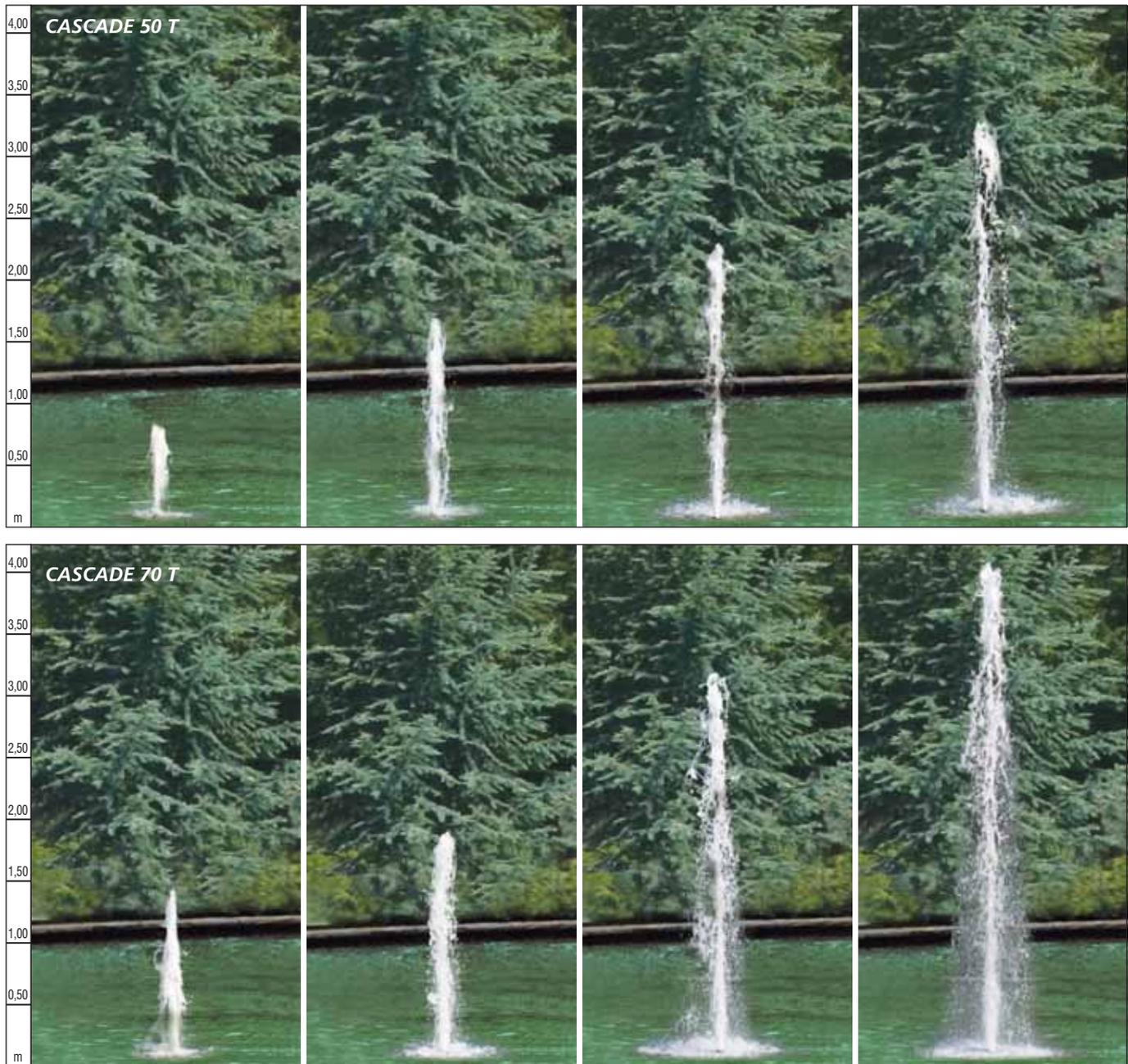
Cascade Nozzles - Bronze

Water level dependant foam-effect nozzles, should be operated under water level. Completely made of bronze.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Cascade (50T) 1" Male threaded: Articulated. Ø 50 mm water column	16111	149,00	1	0,722	0,0006
● Cascade (70T) 1 1/2" Female threaded: Articulated. Ø 75 mm water column	16112	170,00	1	1,828	0,0015
● Cascade (90T) 2" Female threaded: Articulated. Ø 97 mm water column	16113	233,00	1	2,346	0,0023
● Cascade (110T) 2 1/2" Female threaded: Articulated. Ø 117 mm water column	16114	403,00	1	2,732	0,0045
● Cascade (130T) 3" Female threaded: Articulated. Ø 135 mm water column	16115	615,00	1	14,194	0,0130



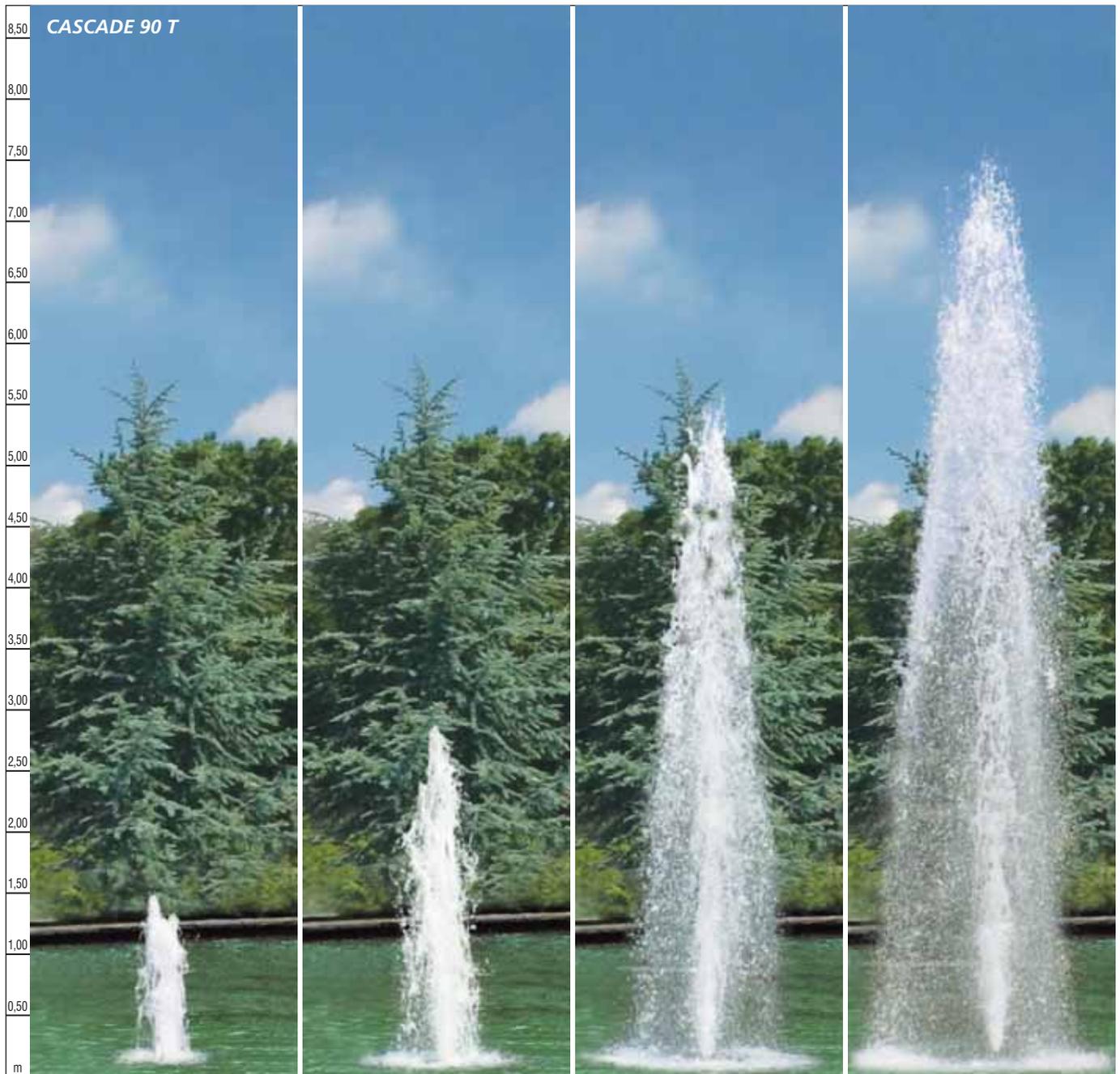
Cascade Nozzles



Flow and Pressure Indicators According to Nozzles Squirt Height

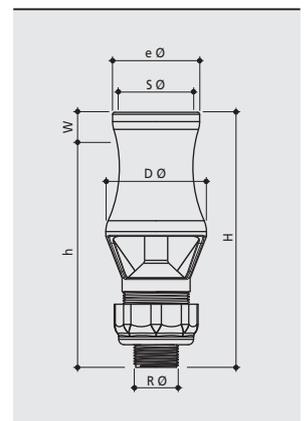
Squirt Height	CASCADE 50 T			CASCADE 70 T			CASCADE 90 T			CASCADE 110 T			CASCADE 130 T		
	Flow m ³ /h	Pressure requirement mSS	atm	Flow m ³ /h	Pressure requirement mSS	atm	Flow m ³ /h	Pressure requirement mSS	atm	Flow m ³ /h	Pressure requirement mSS	atm	Flow m ³ /h	Pressure requirement mSS	atm
0,25 m	1,37	1,1	0,11	2,62	0,8	0,08									
0,50 m	1,93	2,1	0,21	3,70	1,5	0,15	7,39	1,9	0,19						
0,75 m	2,36	3,2	0,32	4,54	2,3	0,23	8,59	2,6	0,26						
1,00 m	2,73	4,2	0,42	5,24	3,1	0,31	9,65	3,3	0,33	14,44	3,0	0,30	20,72	3,0	0,30
1,50 m	3,35	6,4	0,63	6,42	4,6	0,46	11,46	4,7	0,47	17,41	4,4	0,44	25,01	4,4	0,44
2,00 m	3,86	8,5	0,85	7,42	6,2	0,62	13,04	6,0	0,60	19,95	5,8	0,58	28,67	5,8	0,58
2,50 m	4,32	10,6	1,06	8,29	7,7	0,77	14,43	7,4	0,74	22,20	7,2	0,72	31,91	7,1	0,71
3,00 m	4,73	12,7	1,27	9,08	9,2	0,92	15,70	8,7	0,87	24,24	8,5	0,85	34,86	8,5	0,85
4,00 m	5,46	16,9	1,69	10,49	12,3	1,23	18,00	11,5	1,15	27,87	11,3	1,13	40,10	11,3	1,13
5,00 m				11,73	15,4	1,54	20,00	14,2	1,42	31,09	14,0	1,40	44,73	14,0	1,40
6,00 m				12,85	18,5	1,85	21,85	16,9	1,69	34,00	16,8	1,68	48,93	16,8	1,68
8,00 m							25,12	22,4	2,24	39,18	22,3	2,23	56,39	22,3	2,23
10,00 m							28,00	27,8	2,78	43,75	27,8	2,78	62,97	27,8	2,78
12,00 m										47,88	33,3	3,33	68,93	33,3	3,33
14,00 m										51,69	38,8	3,88	74,42	38,8	3,88
16,00 m													79,52	44,3	4,43
18,00 m													84,32	49,8	4,98
20,00 m													88,86	55,3	5,53

Cascade Nozzles

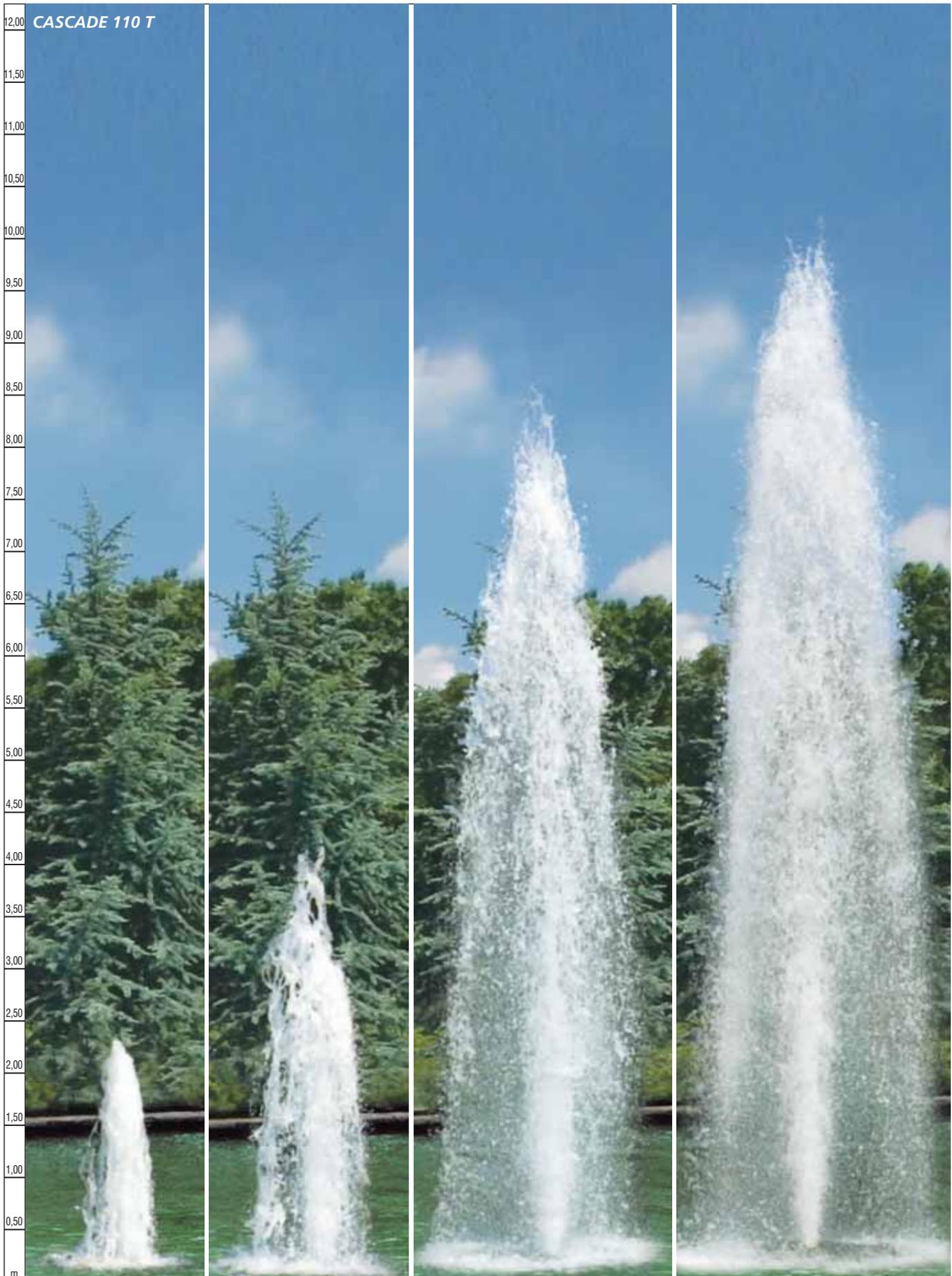


TECHNICAL CHARACTERISTICS

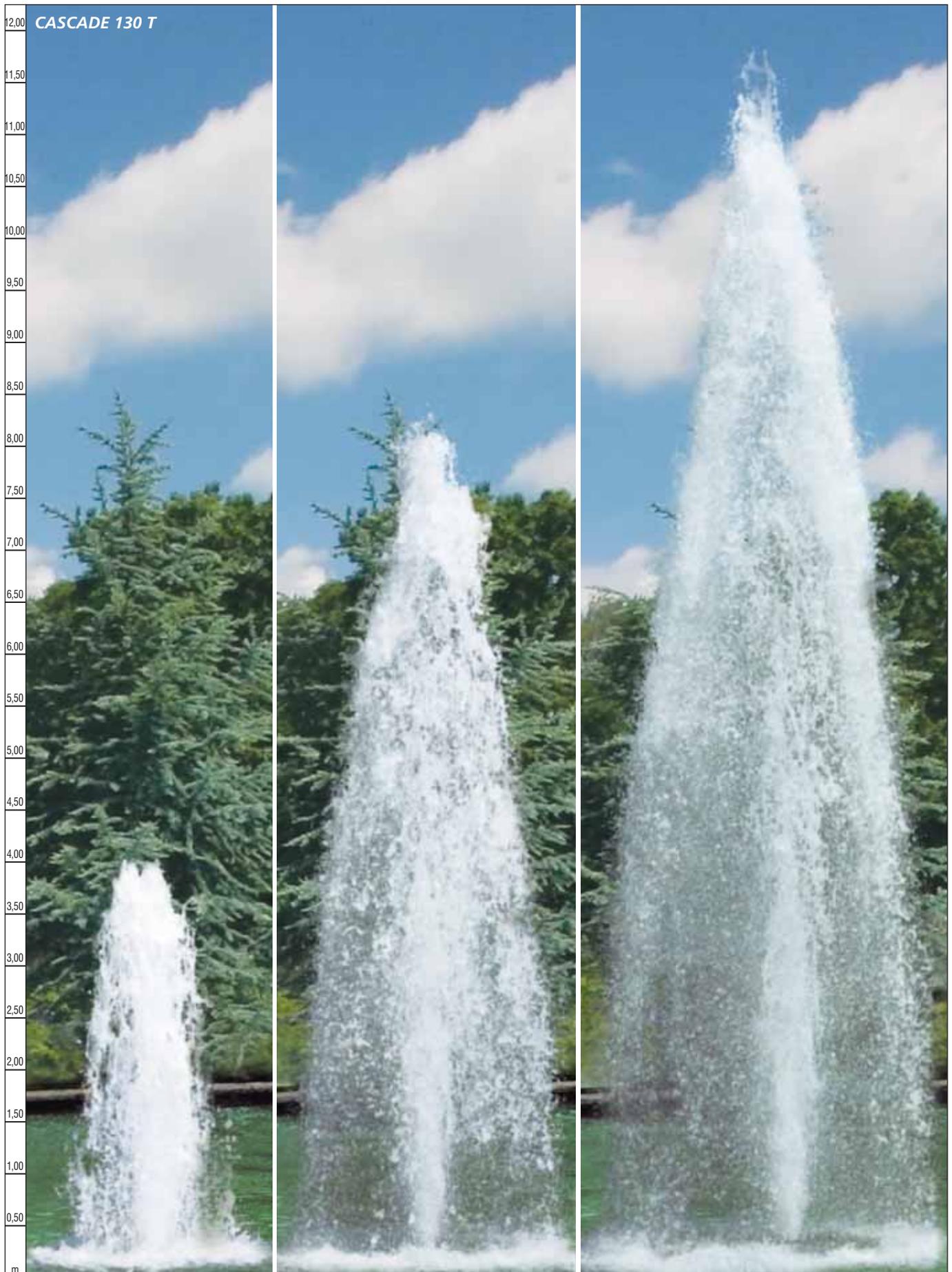
MODEL	50 T / 161111	70 T / 161121	90 T / 161131	110 T / 161141	130 T / 161151
S Ø (mm)	50	70	96		
R Ø (mm)	32 (1")	40 (1 1/2")	50 (2")	65 (2 1/2")	80 (3")
D Ø (mm)	74	90	117		
e Ø (mm)	63	82	110		
H (mm)	190	240	283		
h (mm)	170	215	253		
W (mm)	20	25	30		
WEIGHT (Kg)					



Cascade Nozzles



Cascade Nozzles



Finger Nozzles - Bronze

Made of bronze. Can be articulated up to 15°.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	161211	17,00	1	0,054	
● Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8 mm	161221	21,70	1	0,086	
● Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10 mm	161222	21,70	1	0,080	
● Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12 mm	161231	38,20	1	0,246	

Finger Nozzles - Bronze/Chrome plated - Adjustable

Chrome plated bronze. Can be articulated up to 15°. Flow adjusting valve over fountain.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	1612111	31,00	1		
● Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8,0 mm	1612211	45,35	1		
● Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10,0 mm	1612221	45,35	1		
● Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12,0 mm	1612311	68,00	1		

Finger Nozzles - Plastic/Chrome Plated - Adjustable

Made of plastic. Can be articulated up to 15°.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	161211PCR	11,40	1		
● Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8 mm	161221PCR	13,00	1		
● Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10 mm	161222PCR	13,00	1		
● Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12 mm	161231PCR	17,55	1		



Finger Nozzles - Plastic/Golden Plated - Adjustable

Made of plastic. Can be articulated up to 15°. (Please add unit prices for footed models)



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	161211PG	12,40	1		
● Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8 mm	161221PG	14,40	1		
● Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10 mm	161222PG	14,40	1		
● Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12 mm	161231PG	18,56	1		

Finger Nozzles - Plastic/Chrome Plated - Adjustable

Made of plastic. Can be articulated up to 15°.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	161211PC	12,40	1		
● Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8 mm	161221PC	14,40	1		
● Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10 mm	161222PC	14,40	1		
● Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12 mm	161231PC	18,56	1		

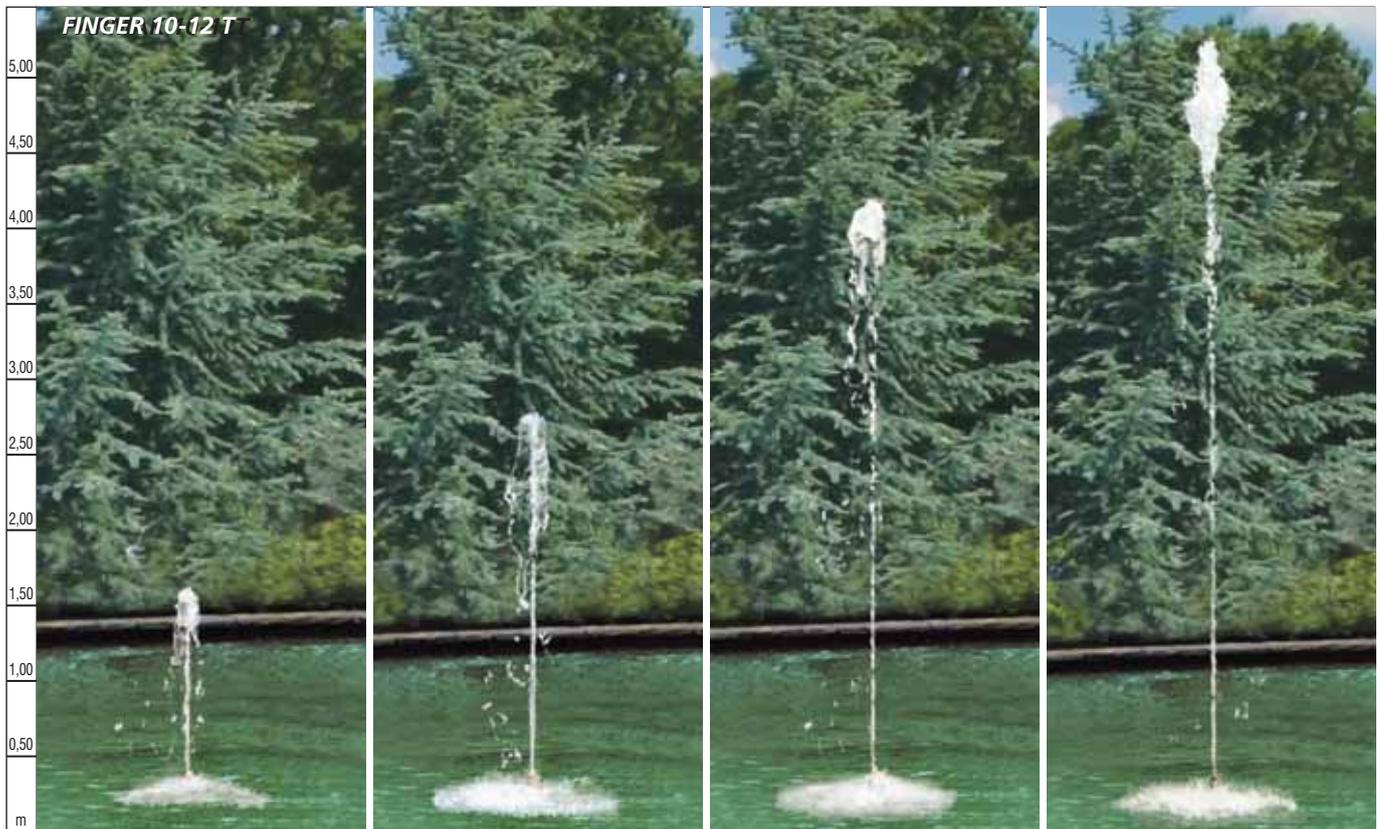
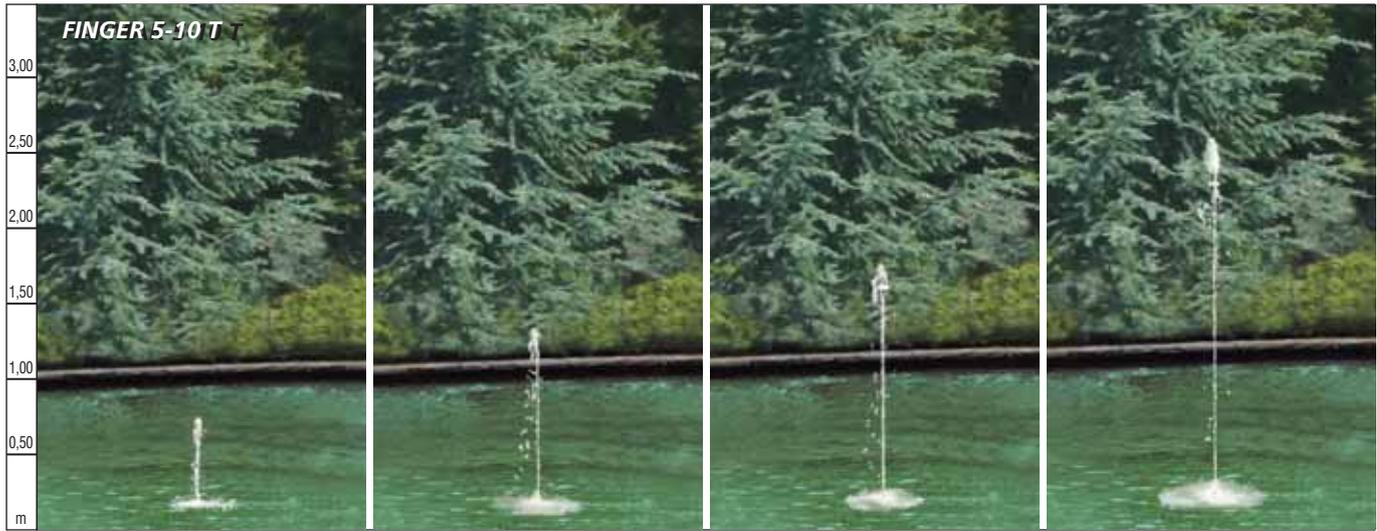
Finger Nozzles - Plastic/Black

Made of plastic. Can be articulated up to 15°.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Finger (3-6T) 3/8" Male Threaded. Water spray dia. Ø 6,0 mm	161211P	10,30	1		
● Finger (5-8T) 1/2" Male Threaded. Water spray dia. Ø 8 mm	161221P	12,40	1		
● Finger (5-10T) 1/2" Male Threaded. Water spray dia. Ø 10 mm	161222P	12,40	1		
● Finger (10-12T) 1" Male Threaded. Water spray dia. Ø 12 mm	161231P	16,50	1		

Finger Nozzles



Flow and Pressure Indicators According to Nozzles Squirt Height

Squirt Height	FINGER 3-6 T			FINGER 5-8 T			FINGER 5-10 T			FINGER 10-12 T		
	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm
0,25 m	0,23	0,30	0,03	0,41	0,30	0,03	0,65	0,30	0,03			
0,50 m	0,33	0,60	0,06	0,59	0,60	0,06	0,92	0,60	0,06	1,32	0,60	0,06
0,75 m	0,40	0,90	0,09	0,72	0,90	0,09	1,13	0,90	0,09	1,63	0,90	0,09
1,00 m	0,47	1,20	0,12	0,84	1,20	0,12	1,31	1,20	0,12	1,89	1,20	0,12
1,25 m	0,53	1,51	0,15	0,94	1,51	0,15	1,47	1,51	0,15	2,12	1,51	0,15
1,50 m	0,58	1,81	0,18	1,04	1,81	0,18	1,62	1,81	0,18	2,33	1,81	0,18
2,00 m	0,68	2,42	0,24	1,21	2,42	0,24	1,88	2,42	0,24	2,72	2,42	0,24
2,50 m	0,76	3,03	0,30	1,36	3,03	0,30	2,13	3,03	0,30	3,06	3,03	0,30
3,00 m	0,84	3,64	0,36	1,50	3,64	0,36	2,35	3,64	0,36	3,38	3,64	0,36
4,00 m	0,99	4,88	0,49	1,76	4,88	0,49	2,76	4,88	0,49	3,97	4,88	0,49
5,00 m				2,00	6,12	0,61	3,13	6,12	0,61	4,51	6,12	0,61
6,00 m							3,48	7,37	0,74	5,01	7,37	0,74
8,00 m										5,96	9,91	0,99

Geiser Nozzles - Stainless Steel

Water-level dependant foam-effect nozzles, should be operated under water level. Completely made in AISI 304 stainless steel and ABS plastic. Larger models (2 1/2" and 3") consist of threaded flange connection and massive stainless steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Geiser (20T) - 1" Male threaded: Water spray nozzle dia. Ø 20 mm	161311	98,00	1		
● Geiser (40T) - 1 1/2" Female threaded: Water spray nozzle dia. Ø 40 mm	161321	116,00	1		
● Geiser (60T) - 2" Female threaded: Water spray nozzle dia. Ø 60 mm	161331	144,00	1		
● Geiser (80T) - 2 1/2" Female threaded: Water spray nozzle dia. Ø 80 mm	161341	290,00	1		
● Geiser (100T) - 3" Female threaded: Water spray nozzle dia. Ø 100 mm	161351	581,00	1		



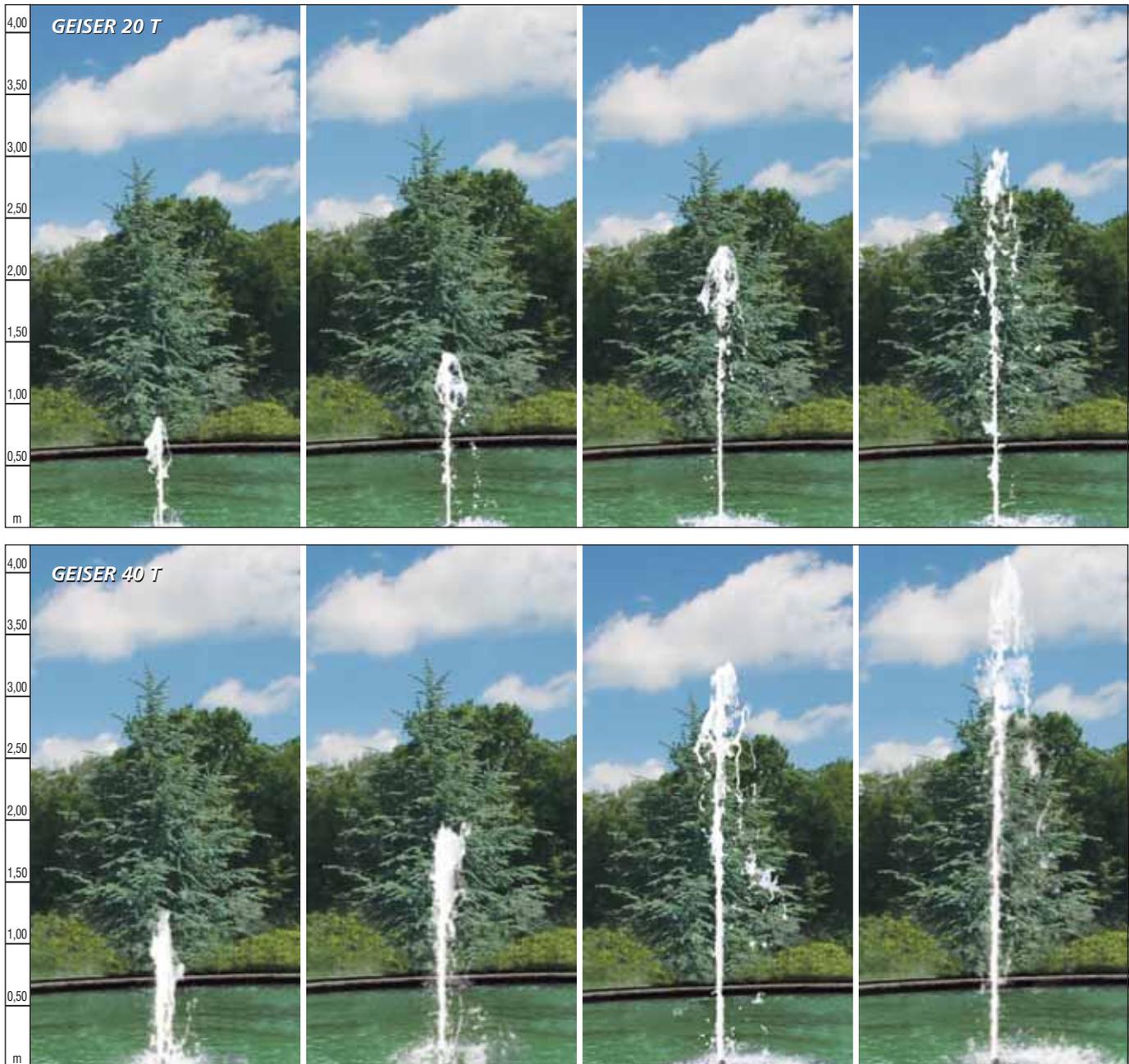
Geiser Nozzles - Bronze

Water-level dependant foam-effect nozzles, should be operated under water level. Completely made in bronze.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Geiser (20T) - 1" Male threaded: Water spray nozzle dia. Ø 20 mm	16131	170,00	1	1,054	
● Geiser (40T) - 1 1/2" Female threaded: Water spray nozzle dia. Ø 40 mm	16132	200,00	1	3,882	
● Geiser (60T) - 2" Female threaded: Water spray nozzle dia. Ø 60 mm	16133	342,00	1	3,210	
● Geiser (80T) - 2 1/2" Female threaded: Water spray nozzle dia. Ø 80 mm	16134	468,00	1	10,730	
● Geiser (100T) - 3" Female threaded: Water spray nozzle dia. Ø 100 mm	16135	601,00	1	15,200	



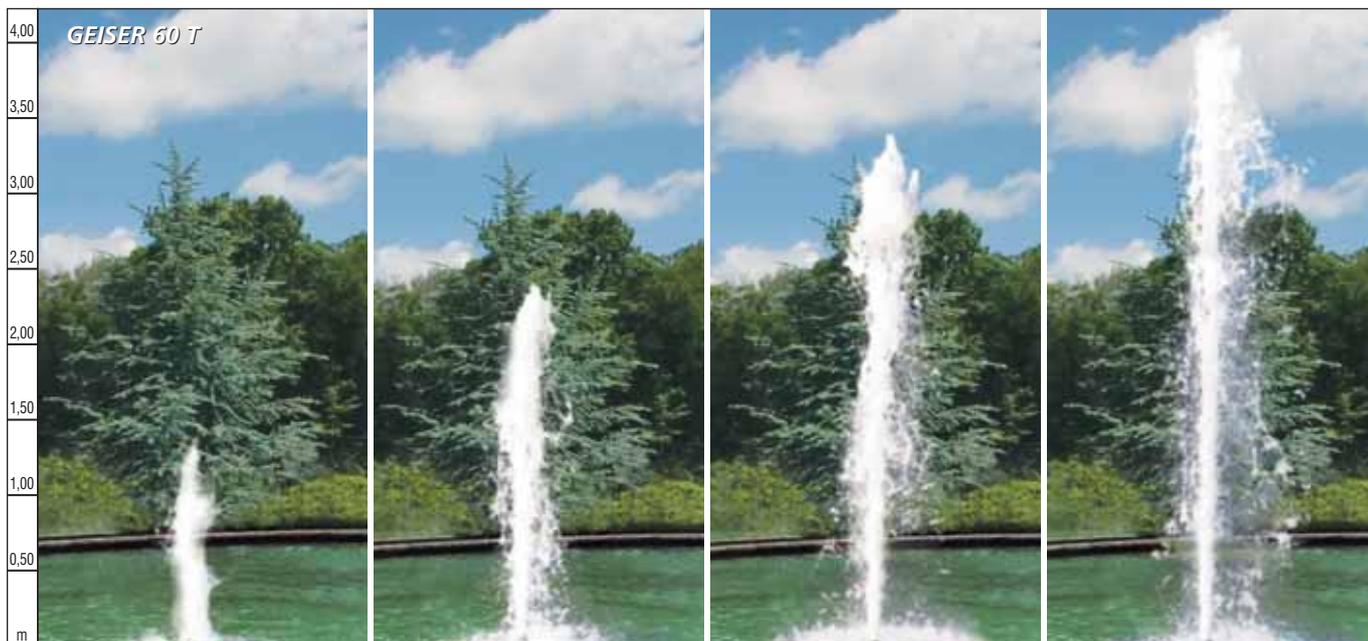
Geiser Nozzles



Flow and Pressure Indicators According to Nozzles Squirt Height

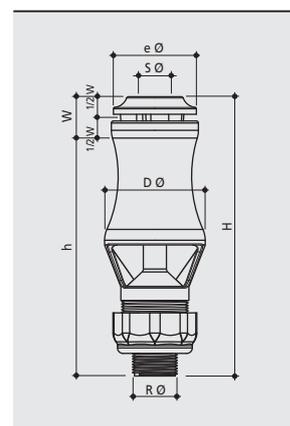
Squirt Height	GEISER 20 T			GEISER 40 T			GEISER 60 T			GEISER 80 T			GEISER 100 T		
	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm
0,50 m	1,83	1,9	0,19	4,05	1,8	0,18	7,90	2,2	0,22						
0,75 m	2,07	2,4	0,24	4,60	2,4	0,24	8,88	2,8	0,28						
1,00 m	2,28	3,0	0,30	5,08	2,9	0,29	9,78	3,4	0,34	15,62	3,5	0,35			
1,50 m	2,66	4,0	0,40	5,94	4,0	0,40	11,36	4,6	0,46	18,57	5,0	0,50			
2,00 m	3,00	5,1	0,51	6,68	5,0	0,50	12,74	5,8	0,58	21,10	6,5	0,65	31,14	6,8	0,68
2,50 m	3,29	6,2	0,62	7,35	6,1	0,61	13,98	6,9	0,69	23,37	7,9	0,79	34,00	8,1	0,81
3,00 m	3,57	7,2	0,72	7,97	7,1	0,71	15,12	8,1	0,81	25,44	9,4	0,94	36,62	9,4	0,94
4,00 m	4,06	9,4	0,94	9,08	9,2	0,92	17,19	10,5	1,05	29,13	12,3	1,23	41,39	12,0	1,20
5,00 m	4,50	11,5	1,15	10,06	11,3	1,13	19,03	12,8	1,28	32,41	15,2	1,52	45,66	14,6	1,46
6,00 m	4,90	13,6	1,36	10,96	13,5	1,35	20,70	15,2	1,52	35,38	18,2	1,82	49,56	17,2	1,72
8,00 m				12,56	17,7	1,77	23,70	19,9	1,99	40,68	24,0	2,40	56,52	22,4	2,24
10,00 m				13,98	21,9	2,19	26,37	24,6	2,46	45,37	29,9	2,99	62,79	27,6	2,76
12,50 m							29,36	30,5	3,05	50,62	37,2	3,72	69,80	34,1	3,41
15,00 m							32,07	36,4	3,64	55,37	44,5	4,45	76,16	40,6	4,06
17,50 m										59,75	51,8	5,18	82,04	47,1	4,71
20,00 m										63,83	59,1	5,91	87,51	53,6	5,36
25,00 m													97,55	66,6	6,66
30,00 m													106,65	79,6	7,96

Geiser Nozzles

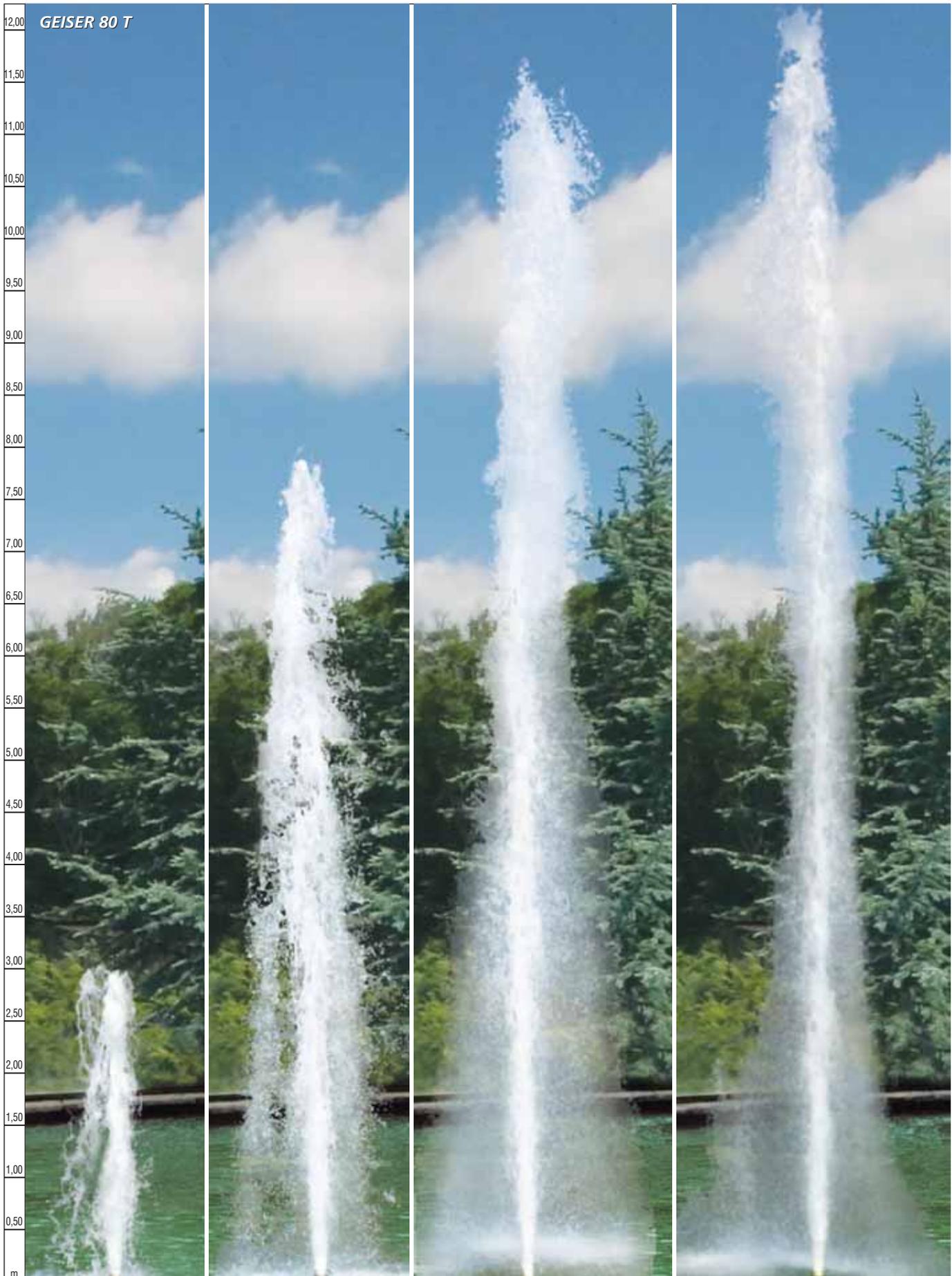


TECHNICAL CHARACTERISTICS

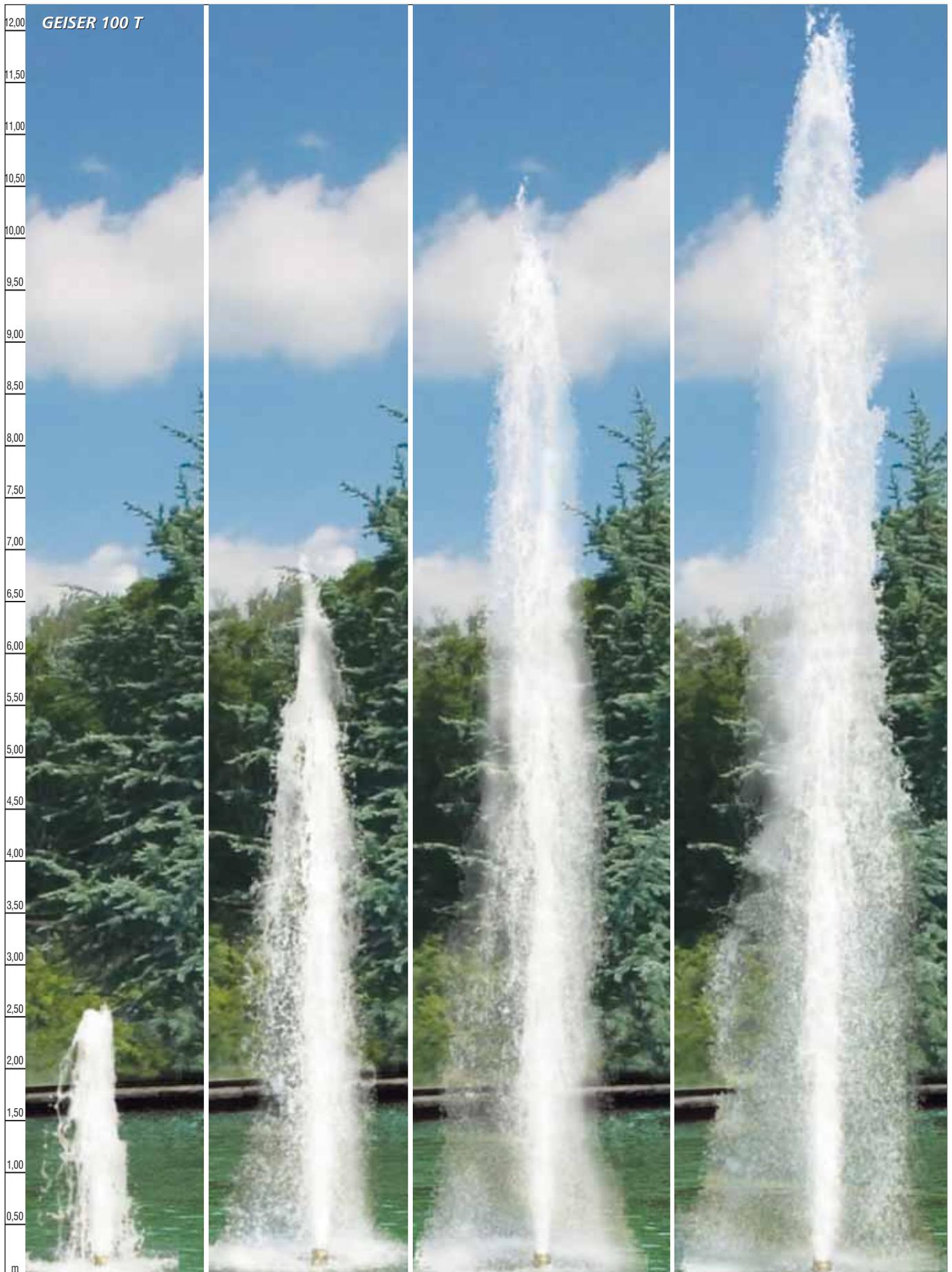
MODEL	20 T / 161311	40 T / 161321	60 T / 161331	80 T / 161341	100 T / 161351
S Ø (mm)	23	45	60	80	100
R Ø (mm)	32 (1")	40 (1 1/2")	50 (2")	65 (2 1/2")	80 (3")
D Ø (mm)	74	92	117		
e Ø (mm)	61	81	107		
H (mm)	207	277	325		
h (mm)	176	217	246		
W (mm)	31	60	80		
WEIGHT (Kg)					



Geiser Nozzles



Geiser Nozzles



Water Fan Nozzle

“Water Fan Nozzle” Made of Stainless Steel.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Water Fan Nozzle (115 - 15T), 1”	161111	213,00	1	1,798	0,002
• Duck Mouth, 1”	161113	213,00	1		
• Duck Mouth, 1 1/2”	161114	258,00	1		



Finger Jet Nozzle

“Finger Water Fan Nozzle” Made of Stainless Steel. Distributes the water with 60° angle from Ø 4,0 mm water jet. 1” male threaded connection.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Finger Water Fan (13 - 4T). 13 Mouth	1611121	268,00	1	2,814	0,003
• Finger Water Fan (25 - 4T). 25 Mouth	1611122	350,00	1	2,868	0,003
• Big Type Finger Water Fan (6 - 8T)	1611123	455,00			



Volkan Nozzles

Creates a water pattern consisting of a series of jets which rise in one or more steps.

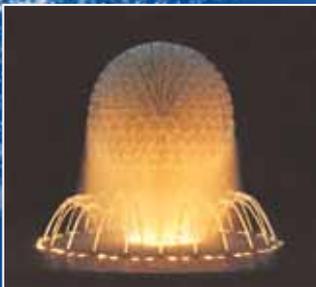
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Volkan (43 - 3T) 1" Male threaded : Made in plastic.	16143P	50,00	1	-	-
• Volkan (19 - 3T) 1" Male threaded : Water spray hole dia. Ø 3 mm x 19 pcs.	16142	213,00	1	1,118	0,0008
• Volkan (43 - 3T) 1" Male threaded : Water spray hole dia. Ø 3 mm x 43 pcs.	16143	577,00	1	1,160	0,0008
• Volkan (200/19 - 6T) 2" Male threaded : Consists of 1 x Ø 10 mm + 18 x Ø 6 mm finger nozzle	16144	679,00	1	4,154	0,0034
• Ditto, Made of golden plated plastic finger jets.	16144P	463,00			
• Volkan (300/19 - 8T) 2 1/2" Male threaded : Consists of 1 x Ø 12 mm + 18 x Ø 8 mm finger nozzle	16145	1442,00	1	9,250	



VOLKAN 200/19 - 6 T



VOLKAN 300/19 - 8 T



Water Bell Nozzles

Made in stainless steel. Adjustable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 30T : H= 30 cm 1" Male threaded.	161621	125,00	1	1,040	0,001
● 45T : Height = 45 cm 1" Male threaded.	161622	165,00	1	1,316	0,001
● 60T : H= 60 cm 1" Male threaded.	161623	234,00	1	1,538	0,002
● 30TP : H= 30 cm and can be extended. 1/2" Male threaded. Made in plastic.	16161P	128,00	1	0,148	0,001

Water Sphere Nozzles

127 Arms made in stainless steel are fitted on the central bronze sphere. Stands on a stainless steel pivot.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Water Sphere Nozzle 1500, Ø 1500 mm	161101	9888,00	1		
● Water Sphere Nozzle 2500, Ø 2500 mm	161102	11330,00	1		
● Half a sphere of water 1500, Ø 1500 mm	161103	7622,00	1		
● Half a sphere of water 2500, Ø 2500 mm	161104	8924,00	1		

Valves for Nozzle Adjustment

Chrome plated bronze. Female threaded nozzle side and male threaded pipe connection side.

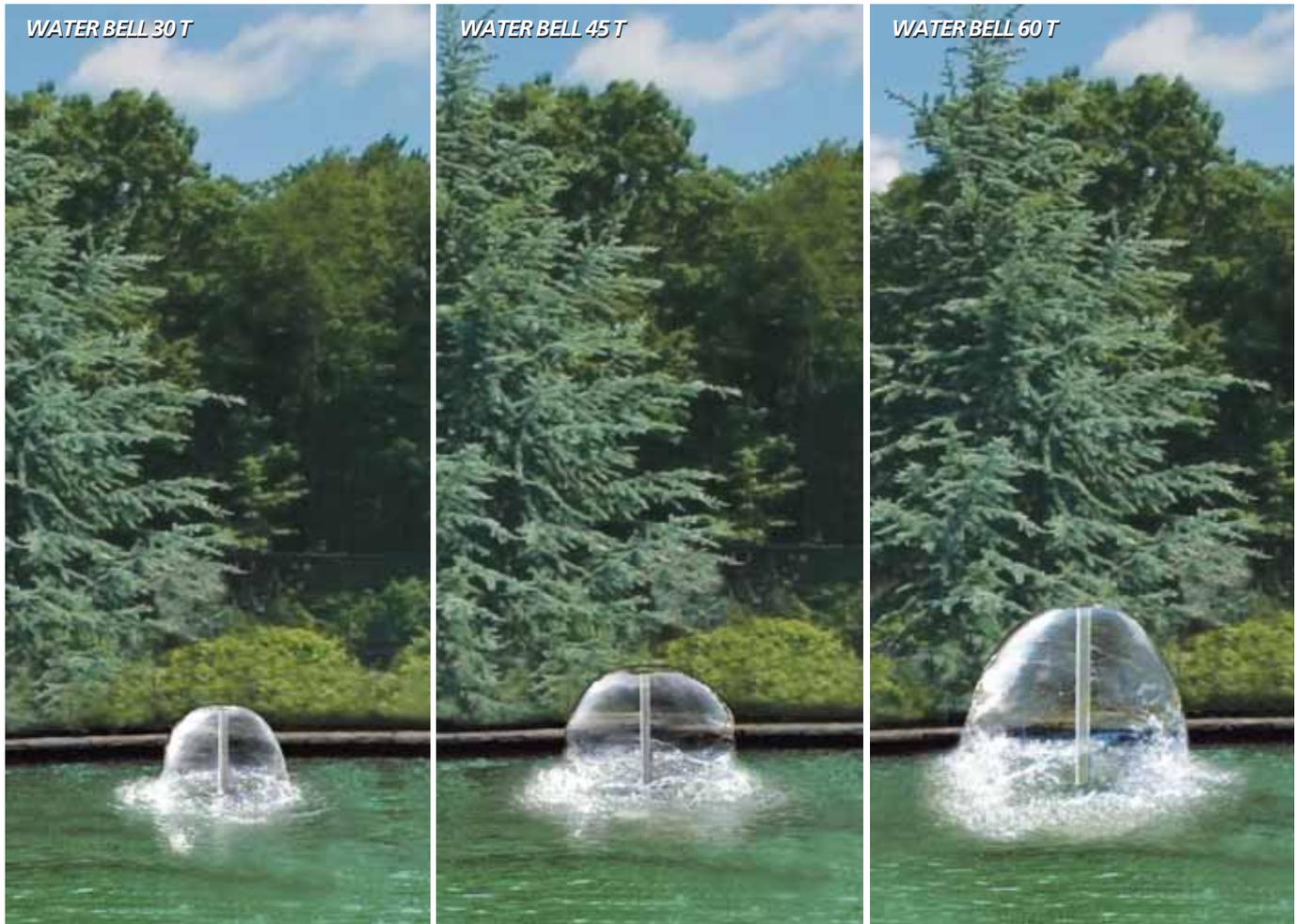
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 1/2"	16201	18,55	1		
● 3/4"	16202	29,00	1		
● 1"	16203	37,00	1		
● 1 1/2"	16204	77,00	1		
● 2"	16205	153,00	1		

Nozzle Joint

Female threaded nozzle side and male threaded pipe connection side.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 1" Plastic	16301	12,50	1		
● 1 1/2" Plastic	16302	16,50	1		
● 1" with Stainless Steel Nut	16303	22,00	1		
● 1 1/2" with Stainless Steel Nut	16304	26,00	1		

Water Bell Nozzles

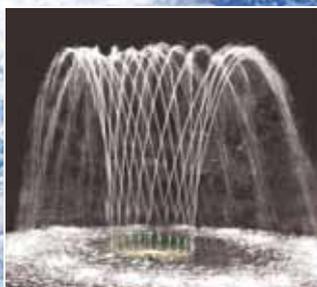


Flow and Pressure Indicators According to Nozzles Squirt Height

Bell Diameter	WATER BELL 30 T			WATER BELL 45 T			WATER BELL 60 T		
	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm
0,15 m									
0,20 m									
0,30 m	2,10	1,1	0,11						
0,40 m	2,58	1,3	0,13	2,58	1,4	0,14			
0,50 m	3,06	1,6	0,16	3,06	1,7	0,17	2,58		
0,60 m	3,54	2,0	0,20	3,54	2,1	0,21	3,06		
0,70 m	4,02	2,5	0,25	4,02	2,6	0,26	3,54		
0,90 m				4,50	3,2	0,32	4,02		
1,10 m							4,50	2,1	0,21
1,30 m							4,98	2,4	0,24
1,50 m								2,8	0,28

Water Star Nozzles

Made in bronze. O.D. Ø 750 mm. Water spray nozzle Ø 4 mm. Connection: 1 1/2"



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 12 / K3 - 4 / 750T with 12 arms	16101	545,00	1		
• 18 / K3 - 4 / 750T with 18 arms	16102	643,00	1		
• 24 / K3 - 4 / 750T with 24 arms	16103	741,00	1		

Plastic Water Star. Made of 36 pieces of 3/8" plastic finger jets. Dia Ø 1000 mm, water jet Ø 4,0 mm, connection 1 1/2".



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Plastic Water Star Nozzle 1000	16104	468,00	1	4,184	0,106

Ps: Please ask quotation for different diameters and models.

Water Pirouette Nozzle

Made in bronze. Effect is created by rotation.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• (M7 - 5T) 1/2" Male threaded	16191	350,00	1		
• (M7 - 10T) 1" Male threaded	16192	447,00	1	1,846	0,046

Water Star Nozzles

WATER STAR 24 / K3-4 / 750 T



Flow and Pressure Indicators According to Nozzles Squirt Height

Squirt Height	WATER STAR 12 / K3-4 / 750 T			WATER STAR 18 / K3-4 / 750 T			WATER STAR 24 / K3-4 / 750 T		
	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm
0,50 m	1,79	0,7	0,07	2,69	0,7	0,07	3,60	0,9	0,09
0,75 m	2,22	1,1	0,11	3,33	1,1	0,11	4,47	1,4	0,14
1,00 m	2,60	1,4	0,14	3,90	1,4	0,14	5,24	1,8	0,18
1,25 m	2,94	1,8	0,18	4,40	1,8	0,18	5,93	2,3	0,23
1,50 m	3,25	2,1	0,21	4,88	2,1	0,21	6,59	2,7	0,27
1,75 m	3,55	2,5	0,25	5,32	2,5	0,25	7,20	3,2	0,32
2,00 m	3,84	2,9	0,29	5,75	2,9	0,29	7,80	3,6	0,36
2,50 m	4,11	3,2	0,32	6,17	3,2	0,32	8,36	4,1	0,41
3,00 m	4,38	3,6	0,36	6,56	3,6	0,36	8,93	4,5	0,45
3,50 m	4,89	4,3	0,43	7,33	4,3	0,43	10,00	5,4	0,54
4,00 m	5,39	5,0	0,50	8,07	5,0	0,50	11,04	6,4	0,64
4,50 m	5,86	5,8	0,58	8,79	5,8	0,58	12,05	7,3	0,73

Spring Nozzles

Foam effect nozzle to be operated above the water level. Completely made in plastic and stainless steel. (Only model of 75-20T is stainless steel + bronze)

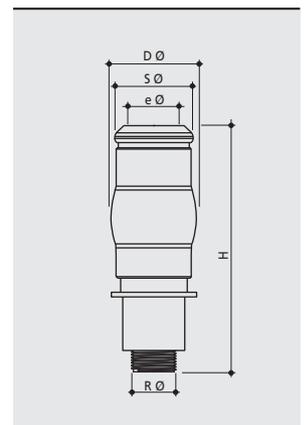


Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Spring (35 - 10E) 1" Male threaded: Water spray dia. Ø 32 mm. Adjustable.	161521	49,00	1	0,684	0,0004
• Spring (55 - 10E) 1" Male threaded: Water spray dia. Ø 50 mm. Adjustable.	161522	70,00	1	1,282	0,0008
• Spring (55 - 15E) 1 1/2" Male threaded: Water spray dia. Ø 50 mm. Adjustable.	16153	70,00	1	1,306	0,0008
• Spring (75 - 20T) 2" Male threaded: Water spray dia. Ø 75 mm. Adjustable.	16154	268,00	1	2,742	0,0020

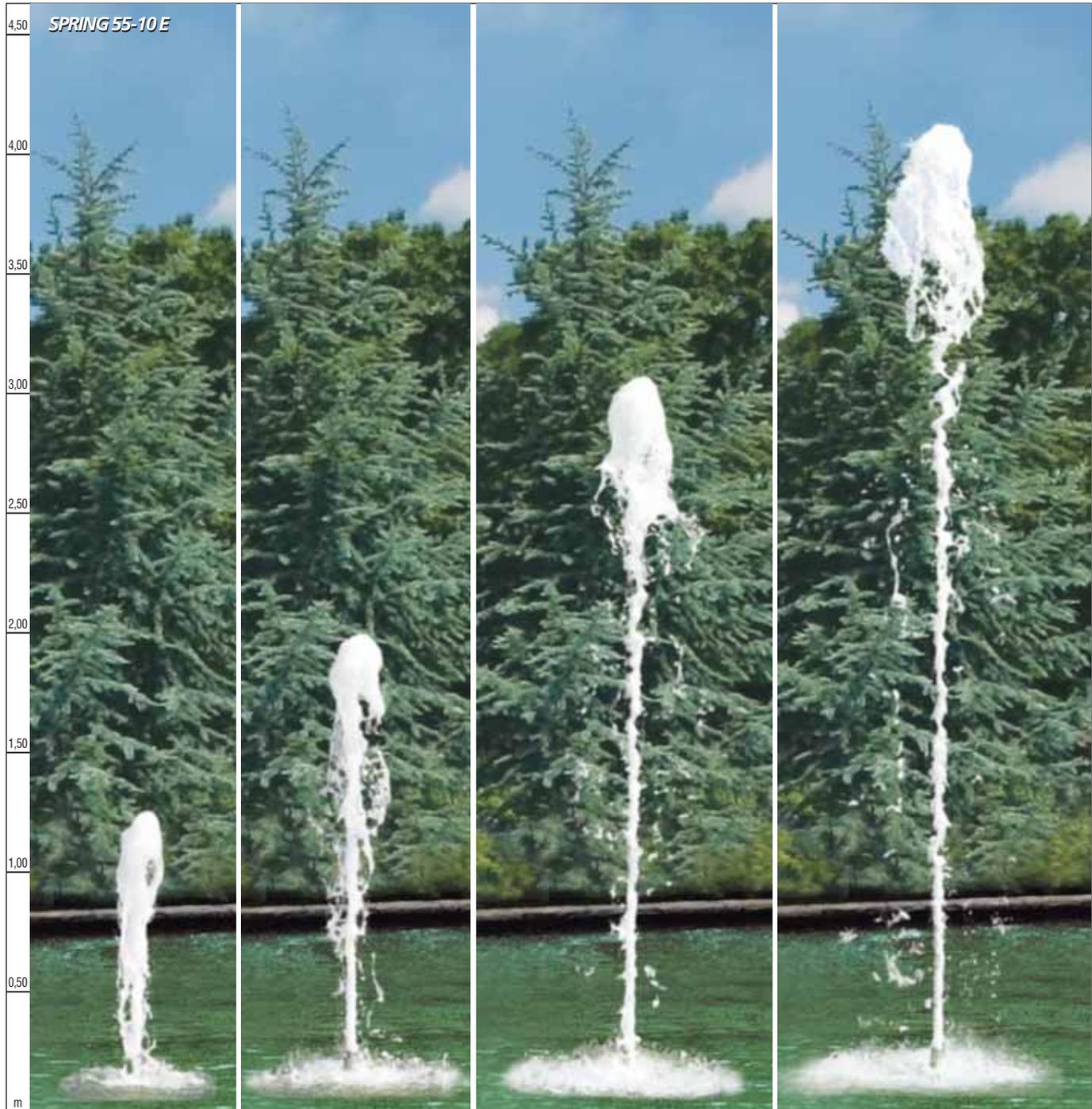


TECHNICAL CHARACTERISTICS

MODEL	35-10E	55-10E	55-15E	75-20T
S Ø (mm)	50	72	72	80
R Ø (mm)	32 (1")	32 (1")	40 (1 1/2")	50 (2")
D Ø (mm)	58	79	79	
e Ø (mm)	32,50	50	50	
H (mm)	153	178	180	
WEIGHT (Kg)				



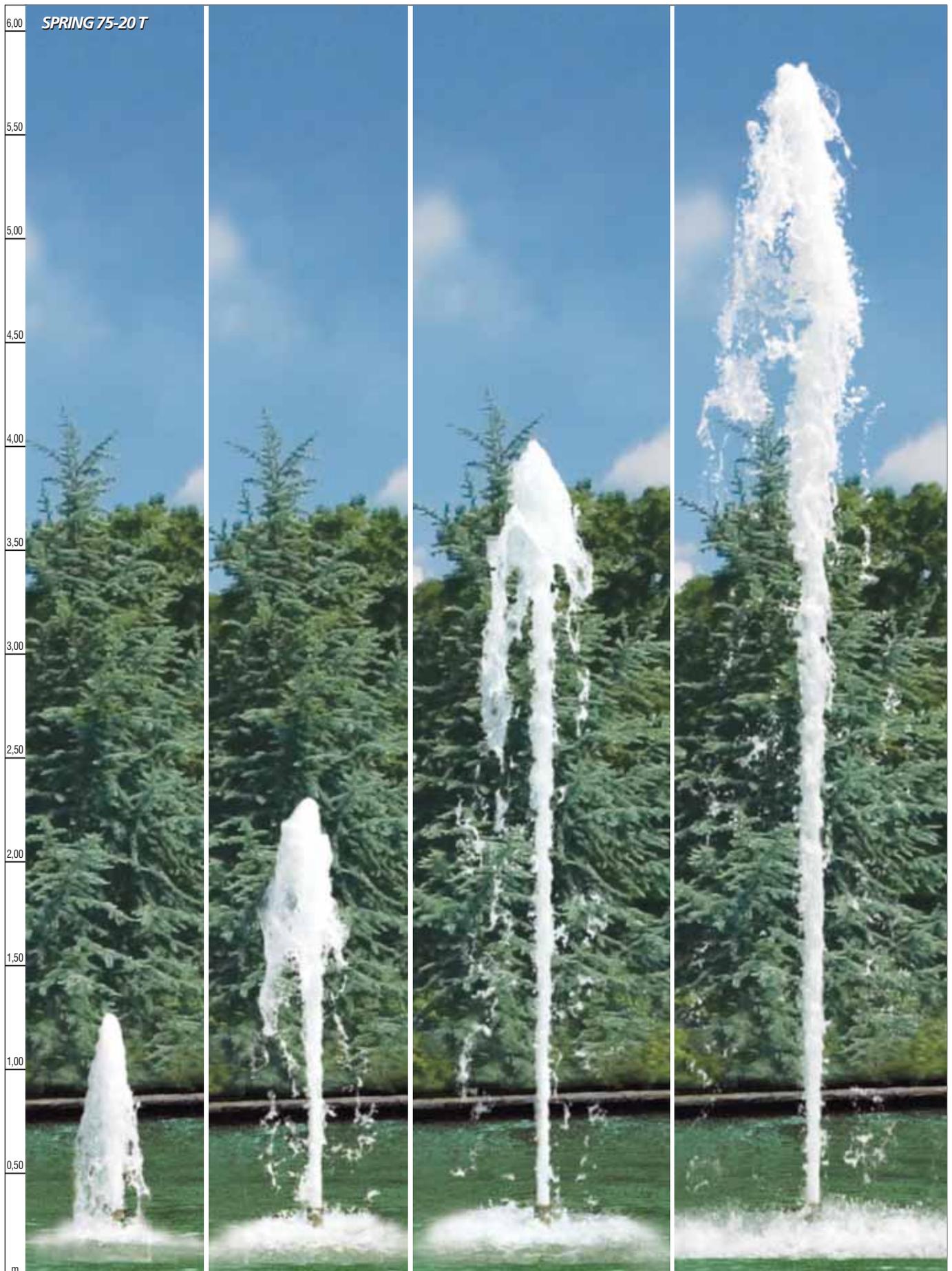
Spring Nozzles



Flow and Pressure Indicators According to Nozzles Squirt Height

Squirt Height	SPRING 35-10 E			SPRING 55-10 E			SPRING 55-15 E			SPRING 75-20 T		
	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm	Flow m ³ /h	Pressure requirement m / h	atm
0,25 m	2,33	0,7	0,07									
0,50 m	3,29	1,5	0,15	4,85	2,0	0,20	4,85	1,3	0,13	13,23	0,9	0,09
0,75 m	4,03	2,2	0,22	5,95	2,9	0,29	5,95	1,9	0,19	16,25	1,3	0,13
1,00 m	4,65	2,9	0,29	6,89	3,9	0,39	6,89	2,5	0,25	18,81	1,8	0,18
1,25 m	5,21	3,6	0,36	7,72	4,9	0,49	7,72	3,1	0,31	21,08	2,2	0,22
1,50 m	5,70	4,4	0,44	8,48	5,9	0,59	8,48	3,8	0,38	23,15	2,6	0,26
2,00 m	6,58	5,8	0,58	9,84	7,8	0,78	9,84	5,0	0,50	26,86	3,5	0,35
2,50 m				11,05	9,8	0,98	11,05	6,3	0,63	30,17	4,4	0,44
3,00 m							12,17	7,5	0,75	33,21	5,3	0,53
4,00 m							14,18	10,1	1,01	38,70	7,1	0,71
5,00 m							16,00	12,6	1,26	43,67	8,9	0,89
6,00 m							17,69	15,2	1,52	48,27	10,7	1,07

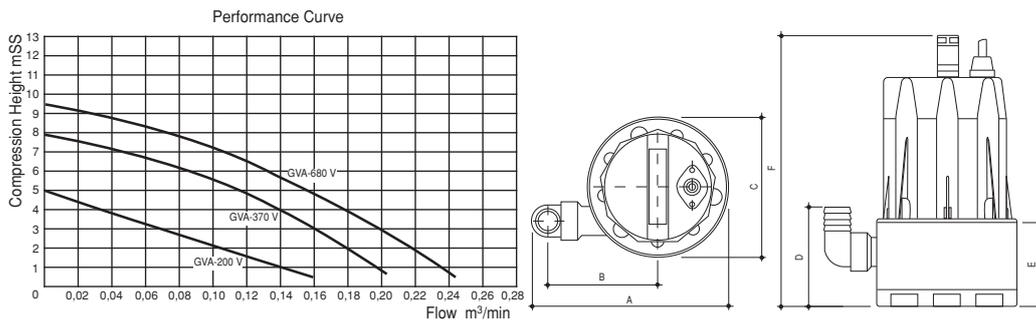
Spring Nozzles



Submersible Pumps

King Model: Plastic body, with mechanical - double seal, epoxy cable seal based, with thermic protection engine and has vortex impeller suitable to work with max.14 mm size particules. Suitable for continuous work on fountain nozzles.

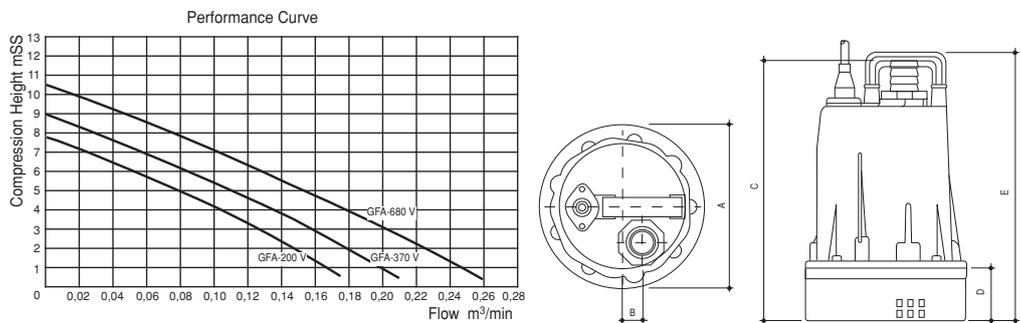
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● GV-200	163111	222,00	1		
● GV-370	163112	253,00	1		
● GV-680	163113	271,00	1		



Pump Type	Power (W)	Voltage (V)	Joint inch (mm)	Max. Compression Height (mSS)	Max. Flow Rate (m ³ /min)	Cable Section (mm ² xm)	Net Weight (Kg)	Dimensions (m m)					
								A	B	C	D	E	F
GVA-200 V	200	220	1 1/4" (32)	5	0,15	0,75 ² x 4	5	222	129	159	115	79	293
GVA-370 V	370	220	1 1/4" (32)	8	0,20	0,75 ² x 4	6	228	129	159	117	106	320
GVA-680 V	680	220	1 1/2" (40)	9,5	0,24	0,75 ² x 4	7	241	129	159	137	125	339

Gold Model: Plastic body, with mechanical - double seal, epoxy cable seal based, with thermic protection engine and has vortex impeller suitable to work with max.14 mm size particules. Suitable for continuous work on fountain nozzles.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● GF-200	163121	222,00	1		
● GF-370	163122	253,00	1		
● GF-680	163123	271,00	1		



Pump Type	Power (W)	Voltage (V)	Joint inch (mm)	Max. Compression Height (mSS)	Max. Flow Rate (m ³ /min)	Cable Section (mm ² xm)	Net Weight (Kg)	Dimensions (m m)				
								A	B	C	D	E
GFA-200 V	200	220	1 1/4" (32)	7,7	0,17	0,75 ² x 4	5,2	159	43	291	58	273
GFA-370 V	370	220	1 1/4" (32)	9	0,20	0,75 ² x 4	6,5	159	43	325	86	300
GFA-680 V	680	220	1 1/2" (40)	10,5	0,25	0,75 ² x 4	6,8	159	43	348	108	320



NEW !

Decorative Wall Nozzles

GEMAS Wall Nozzles. Made of polyester and the surface finish is made with various aging paints. Standart trims are antique copper, antique brass, antique silver and oxide. Special implemetations can be made according to special demands.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Small Lionhead, Antique Copper	1122411	200,00	1		
• Large Lionhead, Antique Copper	1122421	238,00	1		
• Plain Bowl Waterfall, Antique Copper	1122431	263,00	1		
• Slotted Bowl Waterfall, Antique Copper	1122241	263,00	1		
• Snail, Antique Copper	1122251	163,00	1		
• Antique Badge, Antique Copper	1122261	125,00	1		



Small Lionhead,
Antique Copper



Large Lionhead,
Antique Copper



Plain Bowl Waterfall



Plain Bowl Waterfall,
Antique Copper



Slotted Bowl Waterfall,
Antique Copper



Snail, Antique Copper



Antique Badge,



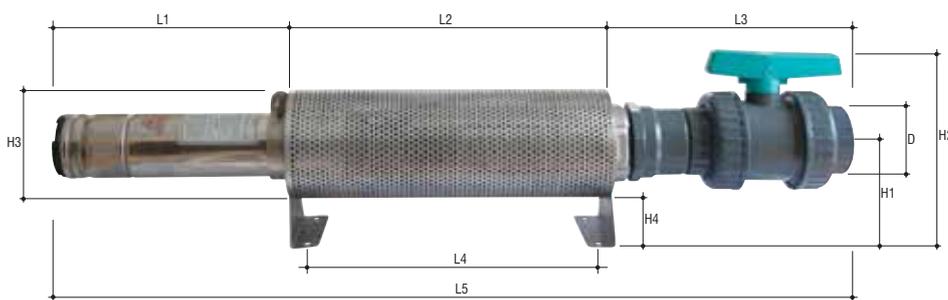
Submersible Pumps for Fountains

High pressure - High Flow Submersible deepwell pumps: Such pumps with below technical specs are made of stainless steel (AISI 304) including its fan being capable of working long time by minimum maintenance thanks to the stainless steel pre-filter. All pumps are complete with a ball or butterfly valve suitable to their connection diameter. Low profile of pumps provide usage in shallow ornamental pools. Easy to be fixed to side nozzle collectors and nozzles saving significantly from laborious and expensive pipe installation. It's vitally important to take precautions in control panels of pumps against electric leakage. All pump models are manufactured upon customer's order. Delivery time is approximately 15 days. Please ask quotation for AISI 316 quality pumps.



TECHNICAL CHARACTERISTICS

Step	<i>Stainless Steel (AISI 304), Optional (AISI 316)</i>
Fan	<i>Stainless Steel (AISI 304), Optional (AISI 316)</i>
Pump shaft	<i>X22 CrNi 17</i>
Step rubber	<i>Nitrile Rubber</i>
Filter	<i>Stainless Steel (AISI 304), Optional (AISI 316)</i>
Pump suction adapter	<i>Stainless Steel (AISI 304), Optional (AISI 316)</i>
Pump Output Connection	<i>Stainless Steel (AISI 304), Optional (AISI 316)</i>
Throttle	<i>Stainless Steel (AISI 304), Optional (AISI 316)</i>
Max. Sand Amount	<i>50 gr/m³</i>
Max. departure p	<i>20 (kalls)</i>
Frequency	<i>50 Hz</i>
Max. working noise	<i>70 dB <</i>
Class of motor protection	<i>IP 68</i>
Motor Body	<i>Stainless Steel (AISI 304)</i>
Max Water Temperature	<i>40°C</i>
Motor Rotation Direction	<i>Anti-clockwise direction</i>
Speed	<i>2900 speed/min.</i>



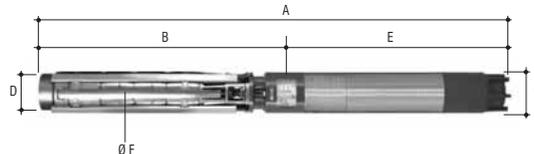
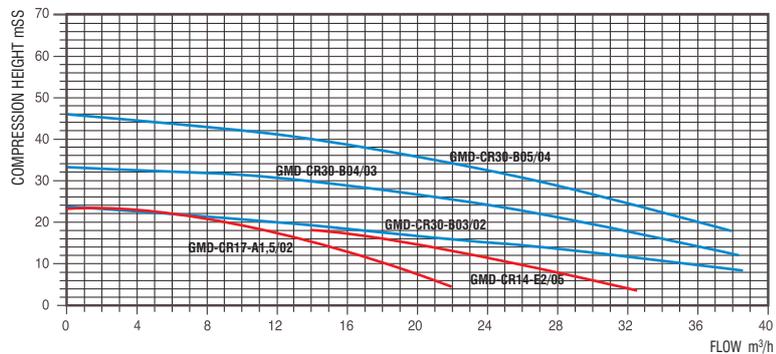
PUMP TYPE	DIMENSIONS (mm)									
	Ø D	L1	L2	L3	L4	L5	H1	H2	H3	H4
GMD-CR14-E2/05	2"	435	500	183	470	1168	200	301	200	100
GMD-CR17-A1.5/02	2"	289	500	183	470	1022	200	301	200	100
GMD-CR30-B03/02	3"	405	500	264	470	1219	200	337	200	100
GMD-CR30-B04/03	3"	565	600	264	570	1379	200	337	200	100
GMD-CR30-B05/04	3"	530	700	264	670	1544	200	337	200	100
GMD-CR46-C04/02	4"	399	600	414	570	1463	200	350	200	100
GMD-CR46-C07/03	4"	540	600	414	570	1604	250	400	300	100
GMD-CR60-D03/01	4"	425	500	414	470	1289	200	350	200	100
GMD-CR77-E07/01	5"	482	600	380	570	1512	250	480	300	100
GMD-CR77-E10/02	5"	560	700	380	670	1690	250	480	300	100
GMD-CR135-G10/01-1	6"	536	700	408	670	1694	250	498	300	100
GMD-CR135-G10/01	6"	516	700	408	670	1674	250	498	300	100
GMD-CR135-G25/02-1	6"	712	900	408	870	2100	250	498	300	100

Submersible Pumps for Fountains



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• GMD-CR14-E2/05M - 2 HP Mono.	1631201M	1500,00	1		
• GMD-CR14-E2/05 - 2 HP Tri.	1631201	1500,00	1		
• GMD-CR17-A1,5/02 - 1,5 HP Tri.	1631211	2122,00	1		
• GMD-CR30-B03/02 - 3 HP Tri.	1631224	2554,00	1		
• GMD-CR30-B04/03 - 4 HP Tri.	1631225	2830,00	1		
• GMD-CR30-B05/04 - 5,5 HP Tri.	1631223	3145,00	1		

PERFORMANCE CURVES



PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS												
						CAPACITY m ³ /h												
						HP	KW	220 V	380 V	4	6	8	10	12	14	16	17	18
GMD-CR14-E2/05	5	2	1,5	11,50	4,00	32,00	31,00	29,00	28,00	25,00	23,00	18,00	16,50	14,00	-	-	-	
GMD-CR17-A1,5/02	2	1,5	1,1	-	3,00	-	-	19,80	18,00	16,20	14,40	13,50	12,60	10,80	9,00	7,20	-	
GMD-CR30-B03/02	2	3	2,2	-	5,00	-	-	38,50	36,00	31,00	28,80	22,00	21,60	18,00	14,40	10,80	-	

PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS									
						CAPACITY m ³ /h									
						HP	KW	220 V	380 V	14	18	21	24	26	28
GMD-CR30-B04/03	3	4	3	-	7,00	36,00	32,40	28,80	25,20	21,60	18,00	14,40	10,80	7,20	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS									
						CAPACITY m ³ /h									
						HP	KW	220 V	380 V	20	25	28	32	34	37
GMD-CR30-B05/04	4	5,5	4	-	9,00	36,00	32,40	28,80	25,20	21,60	18,00	14,40	10,80	7,20	-

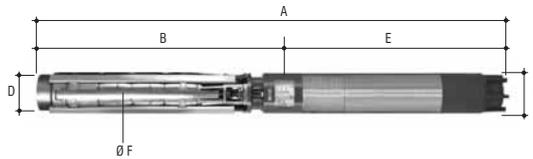
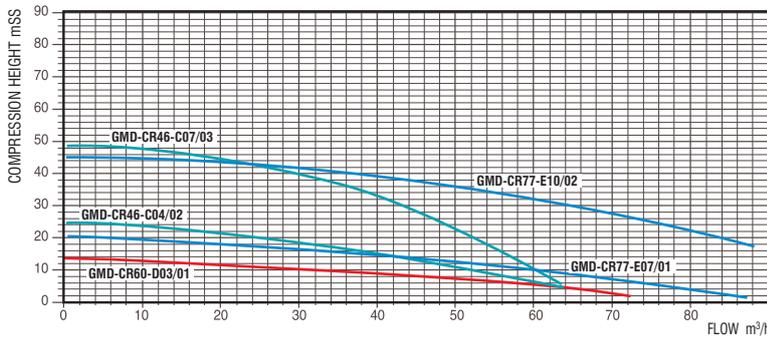
PUMP TYPE	MOTOR TYPE	VOLTAGE (V)	DIMENSIONS (mm)						WEIGHT (Kg)		
			A	B	Ø C	D	E	Ø F	Pompa	Motor	Toplam
GMD-CR14-E2/05M	G095MC/02-M	220	985	510	95	2" *11 diş	475	96	6,000	14,000	20,000
GMD-CR14-E2/05	G095MC/02-T	380	955	510	95	2" *11 diş	445	96	6,000	12,000	18,000
GMD-CR17-A1,5/02	G095MC/1,5-T	380	839	414	95	3" *11 diş	415	134	6,100	11,000	17,100
GMD-CR30-B03/02	G095MC/03-T	380	955	480	95	3" *11 diş	475	135	6,600	15,000	21,600
GMD-CR30-B04/03	G 095MC/04-T	380	1115	575	95	3" *11 diş	540	135	8,700	18,000	26,400
GMD-CR30-B05/04	G 095MC/05-T	380	1280	670	95	3" *11 diş	610	135	10,800	20,000	30,800



Submersible Pumps for Fountains

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● GMD-CR46-C04/02 - 4 HP Tri.	1631231	3269,00	1		
● GMD-CR60-D03/01 - 3 HP Tri.	1631241	2900,00	1		
● GMD-CR77-E07/01 - 7,5 HP Tri.	1631251	5926,00	1		
● GMD-CR46-C07/03 - 7,5 HP Tri.	1631232	3794,00	1		
● GMD-CR77-E10/02 - 10 HP Tri.	1631252	6295,00	1		

PERFORMANCE CURVES



PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS											
		HP	KW	220 V	380 V	4	5	9	10	12	15	16	18	19	20	22	25
GMD-CR46-C04/02	2	4	3	-	5,00	-	-	54,00	52,00	48,00	43,20	39,60	36,00	26,00	28,80	18,00	-
GMD-CR60-D03/01	1	3	2,2	-	5,80	64,80	61,20	46,80	43,20	18,00	-	-	-	-	-	-	-
GMD-CR77-E07/01	1	7,5	5,5	-	12,00	-	79,20	68,40	62,00	61,20	54,00	36,00	24,00	18,00	-	-	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS								
		HP	KW	220 V	380 V	17	24	27	30	33	36	40	45	48
GMD-CR46-C07/03	3	7,5	5,5	-	7,00	54,00	50,50	46,80	43,20	39,60	36,00	28,80	18,00	-

PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS									
		HP	KW	220 V	380 V	23	27	28	29	30	33	35	42	44	47
GMD-CR77-E10/02	2	10,00	7,5	-	18,00	79,20	72,00	68,40	64,80	61,20	57,60	54,00	36,00	18,00	-

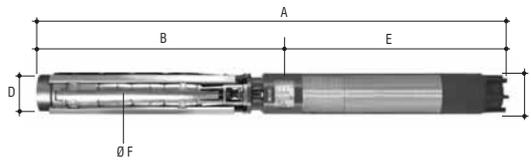
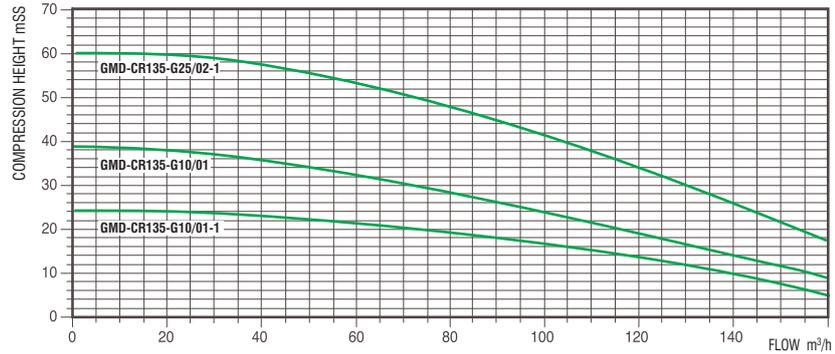
PUMP TYPE	MOTOR TYPE	VOLTAGE (V)	DIMENSIONS (mm)						WEIGHT (Kg)		
			A	B	Ø C	D	E	Ø F	Pompa	Motor	Toplam
GMD-CR46-C04/02	G 095MC/04	380	1049	509	95	3"-4" *11 diş	540	145	8,650	16,500	25,150
GMD-CR46-C07/03	G 145MC/07	380	1190	620	145	3"-4" *11 diş	570	145	11,500	42,000	53,500
GMD-CR60-D03/01	G0 95MC/03-T	380	875	400	95	2"-4" *11 diş	475	145	6,200	15,000	21,200
GMD-CR77-E07/01	G 145MC/07	380	1132	562	145	5" *11 diş	570	171	19,000	42,000	61,000
GMD-CR77-E10/02	G 145MC/10	380	1310	690	145	5" *11 diş	620	171	23,000	47,000	70,000

Submersible Pumps for Fountains



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● GMD-CR135-G10/01-1 -10 HP Tri.	1631261	7750,00	1		
● GMD-CR135-G15/01-15 HP Tri.	1631262	7916,00	1		
● GMD-CR135-G25/02-1 -25 HP Tri.	1631263	9220,00	1		

PERFORMANCE CURVES



PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS									
		HP	KW	220 V	380 V	7	8	13	16	17	18	19	23	24	
GMD-CR135-G10/01-1	1	10	7,5		16,00	151,2	144,0	126,0	108,0	90,0	72,0	54,0	36,0	-	

PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS									
		HP	KW	220 V	380 V	11	17	20	22	24	27	28	36	39	
GMD-CR135-G10/01	1	15	11		23,50	151,2	144,0	126,0	108,0	90,0	72,0	54,0	36,0	-	

PUMP TYPE	STEP NUMBER	MOTOR		AMP		COMPRESSION HEIGHT mSS									
		HP	KW	220 V	380 V	21	26	32	39	43	47	50	58	59	
GMD-CR135-G25/02-1	2	25	18,5		40	151,2	144,0	126,0	108,0	90,0	72,0	54,0	36,0	-	

PUMP TYPE	MOTOR TYPE	VOLTAGE (V)	DIMENSIONS (mm)							WEIGHT (Kg)		
			A	B	Ø C	D	E	Ø F	Pompa	Motor	Toplam	
GMD-CR135-G10/01-1	G 145MC/10	380	1286	666	145	6" *11 dis	620	210	31,000	47,000	78,000	
GMD-CR135-G15/01	G 145MC/15	380	1366	666	145	6" *11 dis	700	210	31,000	58,000	89,000	
GMD-CR135-G25/02-1	G 145MC/25	380	1692	822	145	6" *11 dis	870	210	38,000	76,000	114,000	

Submersible Pumps For Fountain

Submersible Pumps

PQC5000F Model. IP 68, plastic body with mechanical seal, ceramic shaft and 10 m cable. (2 x 0,5 mm) Max. water temperature is 35°C, ambient temperature is 40°C. 230V/50Hz. Dimensions: 267 x 223 x 132 mm. Models with fountain has flow regulating valve.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PQC5000F, 100 W - With Fountain	163131	120,00			
• PQC5000P, 100 W	163131F	112,00			

BQC8003 Model. IP 68, plastic body with mechanical seal, ceramic shaft and 10 m cable. (2 x 0,5 mm) Max. water temperature is 35°C, ambient temperature is 40°C. 230V/50Hz. Dimensions: 195 x 100 x 175 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• BQC8003F, 140 W - With Fountain	163141	120,00			
• BQC8003, 140 W	163141F	112,00			

PQC18000 Model. IP 68, plastic body with mechanical seal, ceramic shaft and 10 m cable. (2x0,5 mm) Max. water temperature 35°C. Ambient temperature is 40°C. 230V/50Hz. Dimensions: 340 x 340 x 180 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PQC18000, 250 W	163151	196,00			

PQC18000 Model. IP 68, plastic body with mechanical seal, ceramic shaft and 10 m cable. (2 x 0,5 mm) Max. water temperature is 35°C, ambient temperature is 40°C. 230V/50Hz. Dimensions: 340 x 340 x 180 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PFC18000, 250 W	163161	206,00			

PEJ20000 Model. IP 68, plastic body with mechanical seal, ceramic shaft and 10 m cable. (2 x 0,5 mm) Max. water temperature is 35°C, ambient temperature is 40°C. 230V/50Hz. Dimensions: 320 x 120 x 160 mm. With Flow Control. Connections 3/4", 1", 1 1/2".

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PEJ20000, 400 W	163171	206,00			

PAJ13000 Model. IP 68, plastic body with mechanical seal, ceramic shaft and 10 m cable. (2 x 0,5 mm) Max. water temperature is 35°C, ambient temperature is 40°C. 230V/50Hz. Dimensions: 400 x 140 x 165 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PAJ13000, 400 W	163181	206,00			

PAJ18000 Model. IP 68, plastic body with mechanical seal, ceramic shaft and 10 m cable. (2 x 0,5 mm) Max. water temperature is 35°C, ambient temperature is 40°C. 230V/50Hz. Dimensions: 400 x 140 x 165 mm.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PAJ18000, 420 W	163191	206,00			



Submersible Pumps For Fountain - With UV System



Submersible Pumps - With UV System

PUC Model: IP 68, plastic body with mechanical seal, ceramic shaft and 10m cable. (2 x 0,5 mm) Max. water temperature is 35°C, ambient temperature is 40°C. 230V/50Hz. Dimensions: (PUC613) l: 350 mm. (PUC139) l: 350 mm. Complete with UV-C (13W) disinfection system. Both model can be used for up to 9 m³ pools.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• PUC139, 28 W	164131	96,00	1		
• PUC613, 22 W	164132	88,00	1		

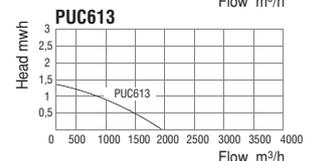
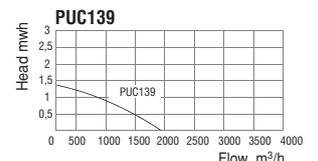
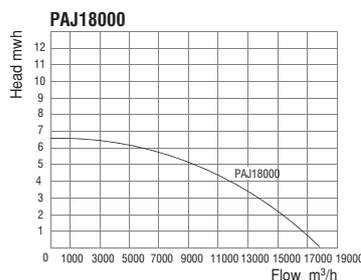
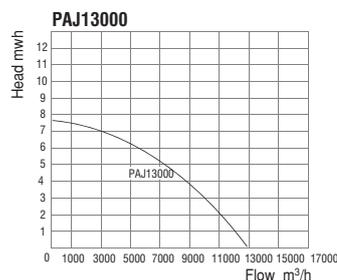
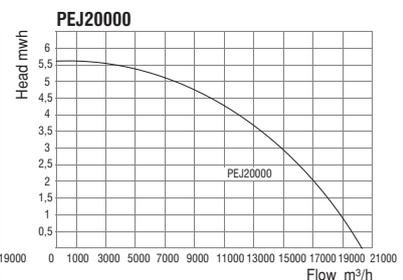
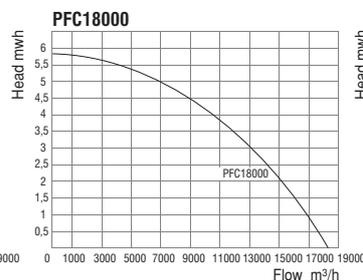
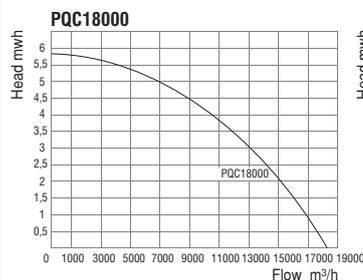
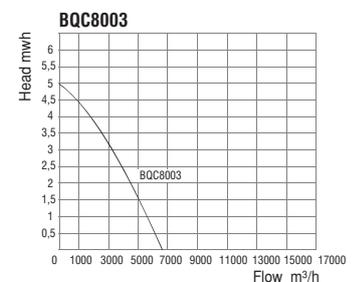
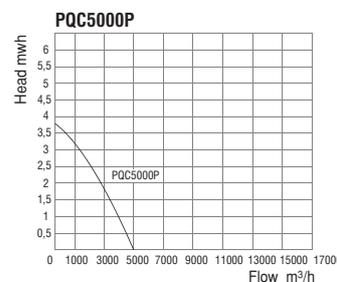
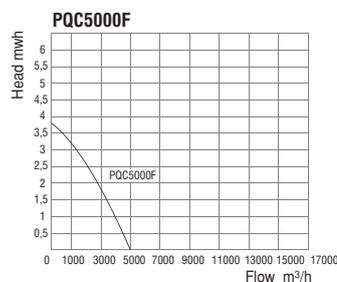
Pond Bio Filters - With UV-C System



FPC Model: IP 68, plastic body with mechanical seal, ceramic shaft and 10m cable. (2 x 0,5 mm) Max. water temperature is 35°C, ambient temperature is 40°C. 230V/50Hz. Complete with UV-C (13W) disinfection system. Dimensions: FPC5000 - 380 x 380 x 410 mm, FPC250 - 380 x 380 x 510 mm. FPC5000 can be used for up to 8 m³ ponds, FPC250 can be used for up to 10 m³ ponds. FPC250 needs to be chosen for fish ponds.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• FPC5000, 11 W - 9 m ³ /h	16513	96,00	1		
• FPC250, 11 W - 10 m ³ /h	16514	88,00	1		

Performance Curve



Footed Underwater Lights

“**SPOT 01**”. PAR 38, 150 W or 120 W / 24 V plastic body, footed fountain light. Double cable outlets. Colored lens can be adapted.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
•	05021	39,00	1		
• Ditto, with Stainless Steel Frame	05021SF	64,00	1		

“**SPOT 01**”. Rainbow 126 PAR 38 RGB LED bulb, plastic body, footed fountain light. Central PCB. Double cable union.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• RGB 5 mm Round LED-126 pcs	160211	75,00	1		
• Ditto, with Stainless Steel Frame	160211SF	88,00	1		

“**SPOT 01**”. Rainbow 9 PAR 38 RGB Power LED bulb, plastic body, footed fountain light. Central PCB. Double cable union. Including lens.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• RGB Power LED-9 pcs	160212	85,00	1		
• Ditto, with Stainless Steel Frame	160212SF	108,00	1		

Ps: Regarding control panel and other options of RGB LED fountain lights, please see Section 5; "PAR 38 LED Bulbs"

“**SPOT 02**”. 50 W/12 V refractory exclusive plastic body, footed fountain light.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Single cable union. Outlet at back.	05022	36,00	4		
• Ditto, Stainless Steel Frame	05022C	79,00	4		

“**SPOT 02**”. Rainbow 36 PAR 38 RGB LED bulb, plastic body, footed fountain light. Central PCB.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Single cable union. Outlet at back.	160221	66,00	4		
• Ditto, Stainless Steel Frame	160221C	109,00	4		

Ps: Regarding control panel and other options of RGB LED fountain lights, please see Section 5; "Mini LED Bulbs"

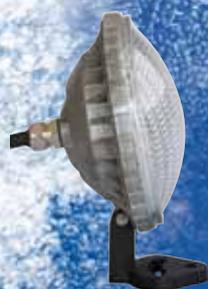
“**SPOT 02**”. Rainbow 3 RGB Power LED bulb, plastic body, footed fountain light. Central PCB. Including lens.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Single cable union. Outlet at back.	1602212	63,00	4		
• Ditto, Stainless Steel Frame	1602212C	100,00	4		

Ps: Regarding control panel and other options of RGB LED fountain lights, please see Section 5; "Mini LED Bulbs"



Aluminium Body - Footed Underwater Lights



“**SPOT 04**”. Rainbow RGB PAR 56 Power LED bulb, chrome plated aluminium body, plastic footed fountain light. **Single cable union**, outlet at back. Central control. Including lens.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Rainbow 9 - OSRAM bulb 12 V	1632321	218,00	1		
● Rainbow 18 - OSRAM bulb 24 V	1632421	283,00	1		
● Rainbow 36 - OSRAM bulb 24 V	1632521	299,00	1		
● Rainbow 18 - 24 V	1632222	220,00	1		



“**SPOT 04**”. Rainbow RGB PAR 56 Power LED bulb, chrome plated aluminium body, plastic footed fountain light. **Double cable union**, outlet at back. Central control. Including lens.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Rainbow 9 - OSRAM bulb 12 V	1632322	238,00	1		
● Rainbow 18 - OSRAM bulb 24 V	1632422	303,00	1		
● Rainbow 36 - OSRAM bulb 24 V	1632522	319,00	1		
● Rainbow 18 - 24 V	1632223	240,00	1		

Ps: Regarding control panel and other options of RGB LED fountain light, please have a look at relevant section (5th) to "RGB LED Bulbs Control Panels"

Stainless Steel Body - Footed Underwater Lights

“**SPOT 03**”. Rainbow RGB Power LED bulb, AISI 304 quality stainless steel body, plastic footed fountain light. **Single cable union**. Outlet at back. Central control. With 50 cm Cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 3, 3 Power LED	16431	83,00	1		
• Rainbow 6, 6 Power LED	16432	99,00	1		

“**SPOT 06**”. Rainbow RGB Power LED bulb, AISI 304 quality stainless steel body, plastic footed fountain light. **Single cable union**. Outlet at back. Central control. With 50 cm Cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 9, 9 power LED	16433	125,00	1		
• Rainbow 12, 12 power LED	16434	136,00	1		

“**SPOT 07**”. Rainbow RGB Power LED bulb, AISI 304 quality stainless steel body, plastic footed fountain light. **Single cable union**. Outlet at back. Central control. With 50 cm Cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Rainbow 15, 15 power LED	16435	155,00	1		
• Rainbow 18, 18 power LED	16436	172,00	1		

Stainless Steel Body-Underwater Lights with Fountain Nozzles

“**SPOT 05**”. Underwater light to be coupled with fountain nozzles. 304 quality stainless steel body and single union. 15° light angle with Power LED. Different Adaptors are used for different size nozzles (for exp. 1”, 1 1/2”, 2”). For this reason nozzles diameter should be mentioned during the order. (Nozzles are NOT included to the price). 13 different light models are available and are controlled by a Central Control Panel. With 50 cm 4 x 15 Cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 12 Power LED	16531SS	247,00	1		
• 18 Power LED	16532SS	264,00	1		

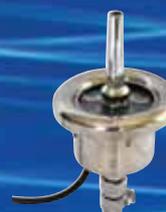
“**SPOT 03-K**”. Underwater light coupled with Finger fountain nozzle. 304 quality stainless steel body and single union. Nozzle (Ø10 mm) bottom connection is with swivel system and regulation valve (1/2” or 1”). 15° light angle with Power LED. 13 different light models are available and are controlled by a Central Control Panel. With 50 cm 4 x 15 Cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 3 Power LED, 1/2”	16431F1	153,00	1		
• 6 Power LED, 1/2”	16432F1	176,00	1		
• 3 Power LED, 1”	16431F2	160,00	1		
• 6 Power LED, 1”	16432F2	183,00	1		

Ps: 1- Regarding control panel and other options of RGB LED fountain light, please have a look at relevant section to "RGB LED Bulbs Control Panels"

2- All the lights mentioned above can be produced "Double Union" according to demand. And can be connected serial.

3- All the lights mentioned above can be 1, 1,5 and 2 m cable length. Please ask price.



Stainless Steel Body - Underwater Lights for Fountains

“SPOT 09-K”. Underwater light combined with fountain nozzles. 304 quality stainless steel body and single union. Also nozzle (Ø10 mm) bottom connection is with swivel system and regulation valve (1/2” or 1”). 15° light angle with Power LED. 13 different light models are available and controlled by a Central Control Panel. With 50 m cable.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 9 Power LED, With 1” Fountain	16433F3	257,00	1		

Stainless Steel Pool Light Feet

Adjustable for all type stainless steel body underwater lights

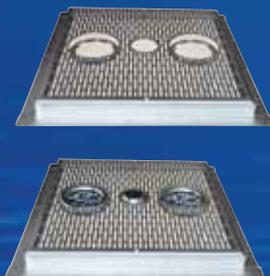
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Single	16431Y015	21,00	1		
● Double	16431Y025	36,00	1		



Dry Pool Systems

Dry surface fountain designed on a bunker walking floor grade made out concrete or polyester and dimensions light combinations 304 quality stainless steel. Dismountable cover and frame. Light housings are designed for SPOT 6 . Fountain port is for fountains max. 2”. Different designs can be done according to demand.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 300 x 300 mm	16433DF1	314,00	1		
● 400 x 400 mm	16433DF2	354,00	1		
● 500 x 500 mm	16433DF3	392,00	1		



Ps: 1- Regarding control panel and other options of RGB LED fountain light, please have a look at relevant section (5th) to "RGB LED Bulbs Control Panels"

2- All the lights mentioned above can be produced "Double Union" according to demand. And can be 3- All the lights mentioned above can be 1, 1,5 and 2 m cable length. Please ask price.

Fountain + Light Clamps

SPOT 03/02 LIGHT CLAPMS. Made out 304 quality stainless steel. Designed single / double or triple for different fountain and light combinations. Installation is as the picture on the side.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Single, For 1/2" Fountain	1640011	16,50			
● Single, For 1" Fountain	1640021	16,50			
● Single, For 1 1/2" Fountain	1640031	16,50			
● Single, For 2" Fountain	1640041	16,50			
● Double, For 1/2" Fountain	1640012	29,00			
● Double, For 1" Fountain	1640022	29,00			
● Double, For 1 1/2" Fountain	1640032	29,00			
● Double, For 2" Fountain	1640042	29,00			
● Triple, For 1/2" Fountain	1640013	36,00			
● Triple, For 1" Fountain	1640023	36,00			
● Triple, For 1 1/2" Fountain	1640033	36,00			
● Triple, For 2" Fountain	1640043	36,00			

SPOT 06 LIGHT CLAPMS. Made out 304 quality stainless steel. Designed single / double or triple for different fountain and light combinations. Installation is as the picture on the side.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Single, For 1/2" Fountain	1641011	18,00			
● Single, For 1" Fountain	1641021	18,00			
● Single, For 1 1/2" Fountain	1641031	18,00			
● Single, For 2" Fountain	1641041	18,00			
● Double, For 1/2" Fountain	1641012	30,50			
● Double, For 1" Fountain	1641022	30,50			
● Double, For 1 1/2" Fountain	1641032	30,50			
● Double, For 2" Fountain	1641042	30,50			
● Triple, For 1/2" Fountain	1641013	38,00			
● Triple, For 1" Fountain	1641023	38,00			
● Triple, For 1 1/2" Fountain	1641033	38,00			
● Triple, For 2" Fountain	1641043	38,00			

Light Cables

IP68 LIGHT-CABLE CONNECTIONS. One side Male Socket. (If underwater addition is made, underwater tube should be used. (See chapter 5)

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 1 m Length	16431Y022	8,30			
● 1,5 m Length	16431Y023	12,50			
● 2 m Length	16431Y024	12,50			
● Ditto, Double Socket For light serial connection					
● 0,5 m Length	16431Y031	7,00			
● 1 m Length	16431Y032	12,50			
● 1,5 m Length	16431Y033	16,00			
● 2 m Length	16431Y034	20,00			







OUTDOOR POOL



Gemas Fiberglass Reinforced Polyester (FRP) Swimmingpools



GEMAŞ FRP - WITH SKIMMER.

Have being produced for about 30 years. 5 different FRP Swimmingpool Models are Available in Gemaş Product Range.

ADVANTAGES OF FRP SWIMMING POOLS:

FRP Swimming Pools are steady and durable. They are durable against the Chemicals, heat shocks, UV lights and any type of weather conditions.

FRP Swimming Pools are leakproof. Those which are produced as Monoblock body are certainly leakproof.

FRP Swimming Pools are hygienic. Materials which are used during their production are in convenience with international hygienic requirements

FRP Swimming Pools are free of algae. Algae which is seen on the joints of the surfaces made out Ceramics and Porcelain, is not seen in these composite swimming pools.

FRP Swimming Pools every precaution against electrical Risks are taken. Residual-current circuit breaker, earthing and pneumatic system are the most important issues.

In FRP Swimming Pools, every color in RAL catalogue is applicable.

FRP Swimming Pools monoblock and prefabric structure enables a fast construction as also all pool equipments are mounted at Factory. It takes approximately 10 days.



Gemas Fiberglass Reinforced Polyester Swimmingpools (FRP)

GMS-1000, GMS Eliptical-1000, GMS-940, GMS-840 and GMS-585 models are manufactured. Prices are valid for the delivery Exworks / Gemas AS Izmir Factory.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● GMS - 1000		32,000	1	1,400	60,000
● GMS Eliptical - 1000		28,500	1	1,150	40,000
● GMS - 940		31,000	1	1,250	48,000
● GMS - 840		28,000	1	1,060	40,000
● GMS - 585		18,500	1	700	20,000

GEMAS COMPOSITE SWIMMING POOL CONSTRUCTION:



TECHNICAL SPECIFICATIONS

MODEL	Width	Length	Depth	Volume (m ³)	Weight (kg)
GMS - 1000	400	1000	170/175	60	1400
GMS Elips - 1000	410	985	111/180	40	1150
GMS - 940	400	940	152/162	48	1250
GMS - 840	360	840	175	40	1060
GMS - 585	285	585	140	20	700

Skimmer Liner Pool Ladders

GEMAS Embedded Liner Pool Ladder. Made of polyester and reinforced with wood. Complete with Connection Flange and PVC concealing flange. Anti-slip steps.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
<ul style="list-style-type: none"> ● l: 227 cm w: 152 cm h: 151,5 cm For oval pools. Massage or counter current system can be mounted.	17401	1531,00	1		
<ul style="list-style-type: none"> ● l: 184 cm w: 106 cm h: 104,5 cm For rectangular pools.	17402	863,00	1		
<ul style="list-style-type: none"> ● Ladder with massage chair (pls see side page) l: 184 cm w: 106 cm h: 104,5 cm	17403	1190,00	1		



PVC Liner Repair Kit

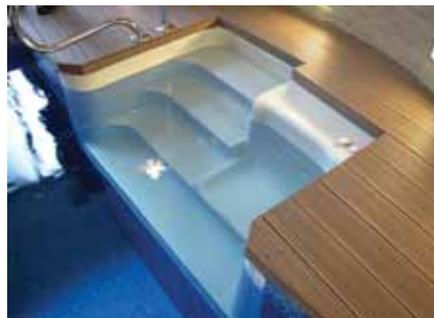
Liner Repair Kit. 30 ml. Can be used for underwater repairs.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
●	17211	18,00		0,116	



4.0 x 2.5 m Indoor heated pool – (Ulus, Etiler-Istanbul)

- 2 x Massage Station
- 1 x Counter current
- Ladder with massage chair
- Composite Deck



PVC Membrane Pool Coating

Coating Membrane: 1,5 mm wall thickness. Manufactured of laminated double layer PVC film and fortified with polyester mesh. Can be implemented in every type of pools by using equipments of a liner pool. Sold per 25 m roll. Price per m².



8273 Antislip Blue



8272 Antislip Blue

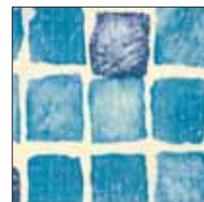
Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● 8273 Blue-Width: 1,65 m	17201	27,00			
● 8273 Light blue-Width: 1,65 m	17202	27,00			
● Snapir 102 Mosaic pattern-Width: 1,50 m	17203	34,00			
● Galit 103 Marble pattern-Width: 1,50 m	17204	34,00			
● 8273 Antislip blue-Width: 1,60 m	17205	36,00			
● 8272 Antislip blue-Width: 1,60 m	17206	36,00			



8273 Blue



8272 Blue



Snapir 102



Galit 103

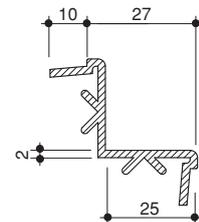
Ps: Colour of above pictures may differ from original products.

PVC laminated Stainless sheet. PVC laminated Stainless sheet with dimensions of 2 x 1 m. Used as a detection strip in PVC membrane covered pools.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Blue - price per piece	17214	213,00	1		
● PVC special conduit side profile (m)	03751	4,40			



Overflow Detailed



PVC profile. Special conduit side profile for overflow membrane pools.

NEW!



Liquid PVC - 1 l.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Light blue 8272	17212	52,50	1	0,994	
● Blue 8273	17213	52,50	1	0,994	
● Transparent, Alkorplan	1781037001	76,00	1		

PVC Membrane Pool Borders

ALKORPLAN POOL BORDERS. Width: 24 cm, with different designs, self glued. Each roll is 100 mm length. Patterns are lacque protected. It gives aesthetic choice for single color liners or membrane coated pools. Prices are for 1 m.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Florentine Plus	1735215133	8,25	100 m		
• Pompei PlusGrey-Blue	1735215140	8,25	100 m		
• Mykonos Blue	1735215145	8,25	80 m		
• Carthage Blue	1735215144	8,25	100 m		
• Ipanema Blue	1735215104	8,25	100 m		
• Olympus Blue	1735215123	8,25	100 m		



Carthage Blue



Olympus Blue



Mykonos Blue



Pompei PlusGrey-Blue



Ipanema Blue



Florentine Plus

Custom Pool Liners

Made of 0,75 thickness Alkorplan Liners. Dimensions accustomed to demand. Basic Stock options are Adriatic Blue and Persian Blue. All liner productions are delivered with upper peripheral profile for the installation to the coping. The prices mentioned below are valid for flat base and rectangular shaped productions. Prices are for m² surface area.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Adriatic Blue	1700367203K	31,25			
• Persian Blue	1735315286K	44,00			
• Liner Hang Profile	17227	3,75			

NEW !



Liner Hang Profile





PVC Membrane Pool Coating

Alkorplan Standart Coating Membrane. 1,5 mm wall thickness. Manufactured of laminated double layer PVC film and fortified with polyester mesh. Can be implemented in every type of pools by using equipments of a liner pool. Sold as width 1,65 m per 25 m roll. Price per m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Light Blue	1735066213	33,25			
• Adriatic Blue	1735066201	33,25			
• Turquoise	1735066205	33,25			
• White	1735066206	33,25			
• Sand Beige	1735066225	33,25			
• Grey	1735066229	33,25			

Alkorplan 2000 Coating Membrane. 1,5 mm wall thickness. Manufactured of laminated double layer PVC film and fortified with polyester mesh. Special lacquer protection. 5 years warranty against discoloration. Can be implemented in every type of pools by using equipments of a liner pool. Sold as width 1,65 m per 25 m roll. Price per m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Light Blue	1735216205	40,00			
• Adriatic Blue	1735216203	40,00			
• Turquoise	1735216204	40,00			
• White	1735216202	40,00			
• Sand Beige	1735216210	40,00			
• Grey	1735216217	40,00			
• Dark Grey	1735216227	40,00			
• Black	1735216219	40,00			

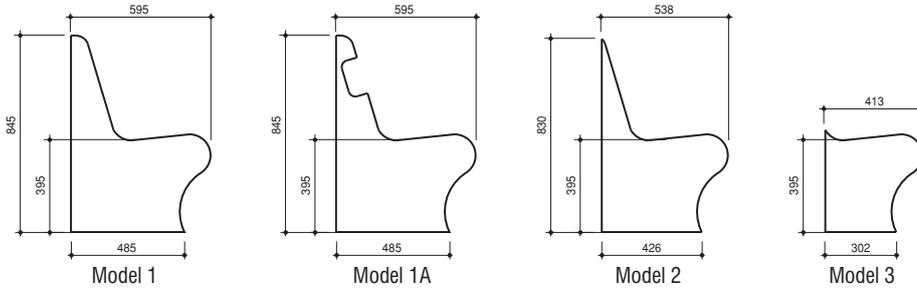
Alkorplan 3000 Printed Pattern Coating Membrane. 1,5 mm wall thickness. Manufactured of laminated double layer PVC film and fortified with polyester mesh. Special lacquer protection. 5 years warranty against discoloration. Can be implemented in every type of pools by using equipments of a liner pool. Sold as width 1,65 m per 25 m roll. Price per m².

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• Persian Blue	1735417217	49,00			
• Persian Sand	1735417220	49,00			
• Marble	1735417213	49,00			
• Byzantine Gray	1735417212	49,00			
• Byzantine Blue	1735417209	49,00			
• Mosaic	1735417202	49,00			
• Carrara	1735417214	49,00			
• Genoa Blue	1735417205	49,00			
• Provenza	1735417204	49,00			
• Platinum	1735417301	49,00			

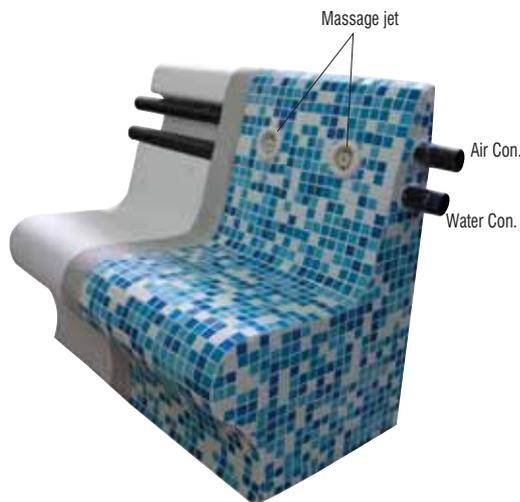


GEMAS STROPOOL Seats

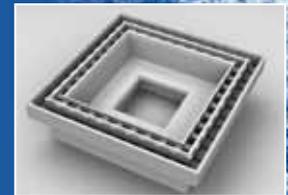
Stropool Seat. Made of extruded hard polystyren, the surfaces have been reinforced with mesh plaster. Model 1 can be ordered as Model 1A which allows easy installation to massage jet standart length 1 m.



Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● Model 1	17911	540,00	1		
● Model 1A	17912	563,00	1		
● Model 2	17913	540,00	1		
● Model 3	17914	413,00	1		



RECTONSPA-TK
Seat Detail



RECTONSPA-TK
Top View



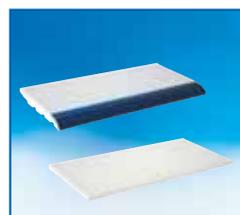
Porcelain Pool Handle and Antislip

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 12,2 x 24,5 x 2 cm Handle	1711AP	12,40			
• 12,2 x 24,5 x 0,9 cm Antislip	1712AP	6,20			
• 24,5 x 24,5 x 2 cm Square Handle	1714P	19,25			
• 12 x 12 cm Handle Internal Corner	1711CI1	9,70			
• 24,5 x 24,5 cm Square Handle	17141	19,25			
• 24,5 x 24,5 cm Handle Internal Corner	1714CI1	39,90			
• 12 x 12 x 0,9 cm Antislip Internal Corner	1711CO1	6,20			
• 12 x 12 cm Handle External Corner	1714	12,40			
• 24,5 x 24,5 cm Handle External Corner	1714CO1	39,90			
• 12 x 12 x 0,9 cm Antislip External Corner	1712CO1	6,20			

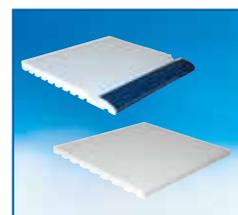


Porcelain Pool Handle and Antislip - Striped Design

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
• 12,2 x 24,5 x 2 cm Handle	1711A	11,70		11,050	0,008
• 12,2 x 24,5 x 1,5 cm Antislip	1712	5,50		12,840	0,008
• 12,2 x 24,5 x 0,8 cm Stair-Step Antislip	1713	5,00		12,696	0,007
• 12,2 x 24,5 x 0,8 cm Antislip	1712A	1,65		9,346	0,007
• 24,5 x 24,5 x 2 cm Square Handle	1714	19,00			
• 24,5 x 24,5 x 0,8 cm Square Antislip	1715	4,00			
• Handle Internal Corner (for 1711)	1711CI	9,70		11,376	0,008
• Handle External Corner (for 1711)	1711CO	9,70		11,376	0,008
• Antislip Internal Corner (for 1712)	1712CI	5,50		10,100	0,008
• Antislip External Corner (for 1712)	1712CO	5,50		10,100	0,008
• Handle Internal Corner (for 1714)	1714CI	39,00			
• Handle External Corner (for 1714)	1714CO	39,00			
• Antislip Corner (for 1715)	1715C	4,00			



1713 - 1712A



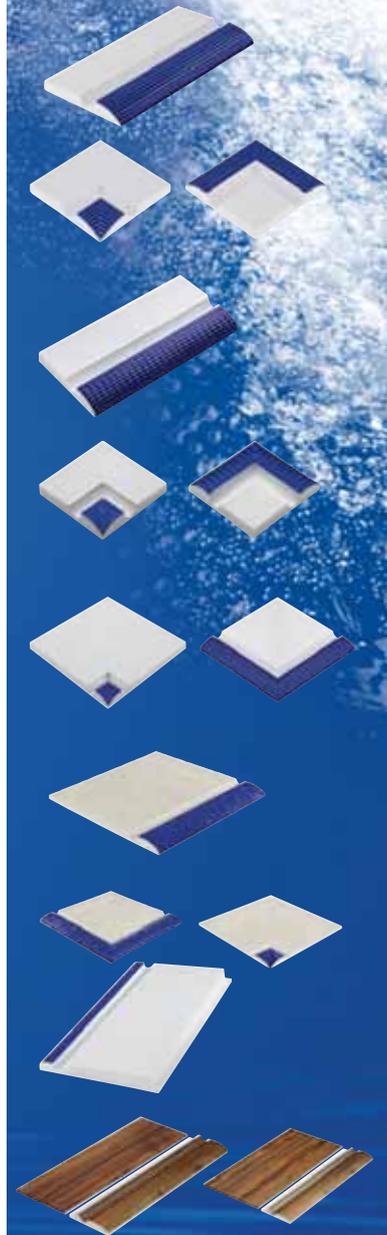
1714 - 1715



1711CO - 1712CO

Porcelain Pool Handle and Antislip

Description	Code	List Price Euro	Pieces/box	Weight Kg
● 12,5 x 25 cm Striped Handle (Cobalt Blue)	18C150107		10	5,700
● 12,5 x 12,5 cm Striped Handle Internal Corner-(Cobalt Blue)	18C150307		10	5,700
● 12,5 x 12,5 cm Striped Handle External Corner-(Cobalt Blue)	18C150407		10	5,700
● 12,5 x 25 cm Petit Carre Handle (Cobalt Blue)	1810200		8	5,080
● 12,5 x 12,5 cm Petit Carre Handle Internal Corner-(Cobalt Blue)	1830200		8	5,080
● 12,5 x 12,5 cm Petit Carre Handle External Corner-(Cobalt Blue)	1840200		8	5,080
● 25 x 25 cm Petit Carre Handle with Outlet-L-(Cobalt Blue)	18172100		8	8,930
● 25 x 25 cm Petit Carre Handle-L Internal Corner (Cobalt Blue)	1837200		8	8,930
● 25 x 25 cm Petit Carre Handle-L External Corner (Cobalt Blue)	1847200		8	8,930
● 25 x 25 cm Petit Carre Profiled Handle-L (Cobalt Blue)	1817227		8	13,520
● 25 x 25 cm Petit Carre Profiled Handle-L Internal Corner (Cobalt Blue)	1837227		8	13,520
● 25 x 25 cm Petit Carre Profiled Handle-L External Corner (Cobalt Blue)	1847227		8	13,520
● 33 x 33 cm Apache Handle (Unglazed)	181072000		4	9,360
● 33 x 33 cm Apache Handle Internal Corner (Unglazed)	181072000iK		4	9,360
● 33 x 33 cm Apache Handle External Corner (Unglazed)	181072000DK		4	9,360
● 33 x 33 cm Apache Handle (Cobalt Blue)	181072007		4	9,360
● 33 x 33 cm Apache Handle Internal Corner (Cobalt Blue)	181072007iK		4	9,360
● 33 x 33 cm Apache Handle External Corner (Cobalt Blue)	181072007DK		4	9,360
● 25 x 50 cm Elegant Profiled Handle-XL (Unglazed)	181066027		4	15,670
● 25 x 25 cm Elegant Profiled Handle XL Internal Corner (Unglazed)	181066027iK		4	15,670
● 25 x 25 cm Elegant Profiled Handle XL External Corner (Unglazed)	181066027DK		4	15,670
● 25 x 45 cm NaturalWood Handle-Cotto	1810191404			
● 32 x 45 cm NaturalWood Handle-Cotto	1810201404			
● 12,5 x 25 cm Petit Carre Antislip-(Unglazed)	1820200		32	15,160
● 12,5 x 12,5 cm Petit Carre Antislip Corner-(Uglazed)	1850200		32	15,160
● 12,5 x 25 cm Petit Carre Profiled Antislip (Unglazed)	1820220		10	15,160
● 12,5 x 25 cm Petit Carre Profiled Antislip-Internal Corner	18502203			
● 12,5 x 25 cm Petit Carre Profiled Antislip-Eternal Corner	18502204			
● 25 x 25 cm Petit Carre Pavrimento Antislip-L (Unglazed)	1825200		16	15,170
● 25 x 25 cm Petit Carre Pavrimento Antislip-L (Unglazed-Corner)	1825200K			

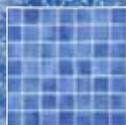



Glass Mosaics

GEMAS GLASS MOSAICS. (All Glass Mosaics are with Paper)



38 x 38 KSMS-01



38 x 38 KSMS-02

Description	Code	List Price Euro	Pieces/box	Weight Kg
● KSMS-01 Sprayed Turquoise 38 x 38 cm	17062	22,00		
● KSMS-01 Sprayed Blue 38 x 38 cm	17061	22,00		
● KSMS-01 Sprayed Turquoise 25 x 25 cm	17041	14,20		
● KSMS-02 Sprayed Blue 25 x 25 cm	17031	14,20		
● MIX-13 Mix Blue 25 x 25 cm	17011	15,20		
● MIX-15 Mix Blue + White 25 x 25 cm	17051	15,20		
● For Net Application		6,40		



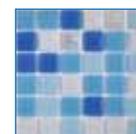
25 x 25 KSMS-01



25 x 25 KSMS-02



25 x 25 MIX-13



25 x 25 MIX-15

Leakproofing Materials



"Fix a leak" leakproofing chemical. Prevents leakage on the body or mechanical installation of filled pools. No matter what construction material of pool or massage pool is, it can be used successfully with installation materials such as PVC, ABS, poly plastics, copper, steel etc. A single bottle of "fix a leak" is efficient per 100 m³ pool. Minimum volume of water that a full bottle can be implemented is 2 m³. If a more concentrated implementation is required, pool should be drained after the implementation process. Please request usage instructions for further details.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● FIX A LEAK Leakproofing Chemical	17301	72,10	1	1,300	

NEW !



American "LEAK SEALER" Leakproofing Chemical. Prevents leakage on the body or mechanical installation of filled pools. No matter what construction material of pool or massage pool is, it can be used successfully with installation materials such as PVC, ABSi poly plastic, copper, steel etc. A single bottle of "Leak Sealer" can be used up to 60 m³ pool. It's efficient up to 2,5 cm leak in 24 hours for home pools. Please request usage instruction for further details.

Description	Code	List Price Euro	Pieces/box	Weight Kg	Volume m ³
● LEAK SEALER Leakproofing Chemical	17303	30,00	1		



Quality Policy

GEMAS

Genel Muhendislik Mekanik Sanayi
ve Ticaret A.S.

targets to be a universally well known
company in its sector.

In order to achieve that

Gemas embraces:

- Constant increase in customer satisfaction.
- Continuous development in production technology and efficiency.
- Continuous progress in all activities as the main principles of the company.

General Manager

İbrahim ÜSTÜNES

Date of Issue: 30.03.2005

UNICERT



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Universal GmbH
Certification Services

This certificate is granted to the organization,

GEMAS GENEL MUHENDISLIK MEKANIK SAN. VE TIC. A.S.

Mimar Sinan Mh. Yasemin Sk. No:16 Kemberburgaz
Eyup/ISTANBUL/TURKEY

by review of SA1.003006 numbered report for the scope

**PRODUCTION AND SALES OF POOL AND MASSAGE POOL
EQUIPMENTS, ACCESSORIES, WATER SAVING SYSTEMS,
POOL CHEMICALS AND DISINFECTION EQUIPMENTS**

to certify that a quality management system in accordance with
standard's clauses is established and being implemented

DIN EN ISO 9001:2008

Certificate No : QMS 0712 002940

Date of Issue : 2015-07-23

Expiry Date : 2017-07-22

Certificate Period : 3 years (2nd year)



Deutsche
Akkreditierungsstelle
D-ZM-16058-01-00

Universal GmbH



The authenticity of this certificate can be confirmed online or by e-mail to the Head Office via:

Universal GmbH, Hugo-Eckener-Strasse 29, 50829 Köln Germany T: + 49 221 16 899 184 www.uni-cert.de info@uni-cert.de



YÖNETİM SİSTEM SERTİFİKASI

Certificate of Registration

Sertifika No / Certificate No: B-160417

İlk Onay Tarihi:	Yeniden Düzenleme Tarihi:	Geçerlilik Tarihi:	Bitiş Tarihi:
Initial Registration Date:	Re-issue Date:	Expiry Date:	End Date:
23/08/2016	---	22/08/2017	22/08/2019

İş bu sertifika aşağıda adı geçen kuruluşun yönetim sistem sertifikasıdır.
This is to certify that the management system of:

GEMAŞ GENEL MÜHENDİSLİK MEKANİK SANAYİ VE TİCARET ANONİM ŞİRKETİ

İTOB Organize Sanayi Bölgesi 10001 Sokak No:28 Menderes İzmir / TÜRKİYE

Bu sertifika, kuruluşun sistemini, istenen standardda sürdürülebilirliği durumunda ve Proks tarafından yılda en az bir kez yapılacak gözetim denetimlerinin başarılı geçmesi sonucunda yukarıda belirtilen tarihe kadar geçerlidir.

This certificate will remain current subject to the company maintaining its system to the required standard and the result of the surveillance audits which will be carried out at the least once in a year.

Aşağıdaki bilgiler Proks tarafından onaylanmıştır.
Has been approved by Proks:



ISO/IEC 27001:2013

Kapsam:
Scope of Activities:

Üretim, Lojistik, İnsan Kaynakları, Satış, Pazarlama
Finans - Muhasebe ve Bilgi Teknolojileri Süreçleri İçindeki Bilgi Varlıklarının Bilgi Güvenliğini Sağlamak ve Yönetmek
Geçerli Uygulanabilirlik Bildirgesi (SOA) Rev.00 - 20.01.2016

İmza: 
Sign: Alper Öztürk
Genel Müdür

Proks Belgelendirme ve Özel Eğitim Hizmetleri Ticaret Ltd. Şti. - Erzene Mahallesi 114 Sokak No:3/1 Bornova İzmir
info@proks.co - www.proks.co

Bu sertifikanın kapsamına ve ilgili standard gerekliliklerinin uygulanabilirliğine ait detaylı bilgi Proks'a danışılarak elde edilebilir.
Further clarification regarding the scope of this certificate and the applicability of the relevant standards requirements may be obtained by consulting Proks.
Bu sertifikanın tüm hakları Proks'a aittir ve geri alma hakkına sahiptir.
This Certificate is a property of Proks and must be returned on request.

Sertifikanın geçerliliği QR kod kullanılarak kontrol edilebilir.
Validity of Certificate could be controlled by QR Code.



СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р
ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ



СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС TR.AB28.H17603

Срок действия с 16.02.2015 по 15.02.2018

№ 1681696

ОРГАН ПО СЕРТИФИКАЦИИ пер. № РОСС RU.0001.11AB28 ОРГАН ПО СЕРТИФИКАЦИИ продукции ООО "СЕРКОНС". 115114, г. Москва, ул. Дербеневская, д. 20, стр. 16. Телефон (495) 7821708, факс (495) 7821708, адрес электронной почты info@serconsrus.com.

ПРОДУКЦИЯ Оборудование для бассейнов т.м. «GEMAS»: решетки перелива, уголки, профили, скиммеры, вакуумные насадки подающие и вакуумная форсунка, донные фильтры, донные сливы.
Серийный выпуск.

код ОК 005 (ОКП):

22 9100

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
ГОСТ Р 50962-96 (п.п. 3.6.1)

код ТН ВЭД России:

3926 90 970 9

ИЗГОТОВИТЕЛЬ «GEMAS GENEL MUHENDISLIK MEKANIK SANAYI VE TIC.A.S.».
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Адрес: Mimar Sinan Mah.Yasemin Sokak No.16 Kemerburgaz –ISTANBUL -Turkiye, Турция.
Телефон (+90 232)799 03 60, факс (+90 232)799 02 67.

НА ОСНОВАНИИ протокола испытаний № 85-02-15 от 05.02.2015 г. Испытательный центр Общество с ограниченной ответственностью «АкадемСиб», аттестат аккредитации регистрационный № РОСС RU.0001.21AB09 действителен до 01.08.2016 года, фактический адрес: 630024, Российская Федерация, Новосибирская область, город Новосибирск, улица Бетонная, дом 14

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Схема сертификации: 3.



Руководитель органа

Эксперт

(Handwritten signature)
подпись

А.А. Григорьев

инициалы, фамилия

И.Н. Попков

инициалы, фамилия

Сертификат не применяется при обязательной сертификации

ТАМОЖЕННЫЙ СОЮЗ

СЕРТИФИКАТ СООТВЕТСТВИЯ



№ TC RU C-TR.MЮ62.B.01521

Серия RU № 0244455

ОРГАН ПО СЕРТИФИКАЦИИ продукции Общества с ограниченной ответственностью «ПРОММАШ ТЕСТ». Место нахождения: 115114, Российская Федерация, город Москва, Дербеневская набережная, дом 11, помещение 60. Фактический адрес: 115114, Российская Федерация, город Москва, Дербеневская набережная, дом 11, помещение 60. Телефон: +7 (495) 775-48-45, факс: +7 (495) 775-48-45, адрес электронной почты: info@prommashtest.ru. Аттестат аккредитации регистрационный № РОСС RU.0001.11МЮ62 выдан 01.12.2014 года Федеральной службой по аккредитации

ЗАЯВИТЕЛЬ Общество с ограниченной ответственностью «ДС Компания».

Основной государственный регистрационный номер: 1107746937374.

Место нахождения: 105037, Российская Федерация, город Москва, улица 3-я Парковая, дом 9, офис 18
Фактический адрес: 105037, Российская Федерация, город Москва, улица 3-я Парковая, дом 9, офис 18
Телефон: 84955184754, факс: 84955184754, адрес электронной почты: dc.company2000@gmail.com

ИЗГОТОВИТЕЛЬ «GEMAS GENEL MUHENDISLIK MEKANIK SANAYI VE TIC.A.S.».

Место нахождения: Турция, Mimar Sinan Mah.Yasemin Sokak No.16 Kemerburgaz –ISTANBUL
Фактический адрес: Турция, Mimar Sinan Mah.Yasemin Sokak No.16 Kemerburgaz –ISTANBUL

ПРОДУКЦИЯ Светильники встраиваемые для бассейнов, предназначенные для использования со светодиодными и галогеновыми лампами торговой марки «GEMAS», изготавливаемые по EN 60598-2-18 1994 TS EN 60598-2-18 2001 EN 60598-1-18 2008 TS EN 60598-2- 2009, EN 60598-2-18 2008/A11 2009 TS EN 60598 2009/A11 2010, EN 61558-1-2005 TS EN 61558 -1 2008 ,EN 61558-2- 2005 /A1 2009 TS EN 61558-1 2008/A1 2010, EN 61558-2-6 2010 TS EN 61558-2-6 2009.

Серийный выпуск

КОД ТН ВЭД ТС 9405 40 990 8

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза
ТР ТС 020/2011 "Электромагнитная совместимость технических средств"

СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ протоколов испытаний №№ 1103-02-15, 1104-02-15 от 27.02.2015 года. Испытательный центр Общество с ограниченной ответственностью «АкадемСиб», аттестат аккредитации регистрационный № РОСС RU.0001.21AB09 действителен до 01.08.2016 года, фактический адрес: 630024, Российская Федерация, Новосибирская область, город Новосибирск, улица Бетонная, дом 14; акта анализа состояния производства № 01811АП от 03.02.2015 года органа по сертификации продукции Общества с ограниченной ответственностью «ПРОММАШ ТЕСТ»

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Срок службы 5-10 лет согласно технической документации изготовителя. Срок хранения указан в товаросопроводительной документации, приложенной к изделию.

СРОК ДЕЙСТВИЯ С 02.03.2015 ПО 01.03.2020 ВКЛЮЧИТЕЛЬНО



Руководитель (уполномоченное
лицо) органа по сертификации

Эксперт (эксперт-аудитор)
(эксперты (эксперты-аудиторы))

(Handwritten signature)
(подпись)

(Handwritten signature)
(подпись)

А.П. Филатчев

(инициалы, фамилия)

Е.В. Морозова

(инициалы, фамилия)



СЕРТИФИКАТ СООТВЕТСТВИЯ

№ ТС RU C-TR.AJ32.B.00419

Серия RU № 0247666

ОРГАН ПО СЕРТИФИКАЦИИ продукции Общества с ограниченной ответственностью Центр "ПрофЭкс".
 Место нахождения: 115114, Российская Федерация, город Москва, улица Дербеневская, дом 24, строение 3.
 Фактический адрес: 115114, Российская Федерация, город Москва, улица Дербеневская, дом 24, строение 3.
 Телефон: 8 (495) 268-06-77, факс: 8 (495) 668-12-79, адрес электронной почты: info@profeks.ru. Аттестат аккредитации регистрационный № РОСС RU.0001.11AJ32 выдан 09.07.2013 года Федеральной службой по аккредитации

ЗАЯВИТЕЛЬ Общество с ограниченной ответственностью «ДС Компания».
 Основной государственный регистрационный номер: 1107746937374.
 Место нахождения: 105037, Российская Федерация, город Москва, улица 3-я Парковая, дом 9, офис18
 Фактический адрес: 105037, Российская Федерация, город Москва, улица 3-я Парковая, дом 9, офис18
 Телефон: 84955184754, факс: 84955184754, адрес электронной почты: dc.company2000@gmail.com

ИЗГОТОВИТЕЛЬ «GEMAS GENEL MUHENDISLIK MEKANIK SANAYI VE TIC.A.S.».
 Место нахождения: Турция, Mimar Sinan Mah.Yasemin Sokak No.16 Kemerburgaz –ISTANBUL
 Фактический адрес: Турция, Mimar Sinan Mah.Yasemin Sokak No.16 Kemerburgaz –ISTANBUL

ПРОДУКЦИЯ Лампы светодиодные (ампулы) для бассейнов торговой марки «GEMAS»,
 изготавливаемые по IDD.769.06.021.
 Серийный выпуск

КОД ТН ВЭД ТС 8541 40 100 0

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза
 ТР ТС 020/2011 "Электромагнитная совместимость технических средств"

СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ протокола испытаний № 1132-02-15 от 27.02.2015 года.
 Испытательный центр Общество с ограниченной ответственностью «АкадемСиб»,
 аттестат аккредитации регистрационный № РОСС RU.0001.21AB09 действителен до 01.08.2016 года,
 фактический адрес: 630024, Российская Федерация, Новосибирская область, город Новосибирск,
 улица Бетонная, дом 14; акта анализа состояния производства № 00436АП от 03.02.2015 года органа
 по сертификации продукции Общества с ограниченной ответственностью Центр "ПрофЭкс".

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Срок службы 5-10 лет согласно технической документации
 изготовителя. Срок хранения указан в товаросопроводительной документации, приложенной к изделию.

СРОК ДЕЙСТВИЯ С 03.03.2015 ПО 02.03.2020 ВКЛЮЧИТЕЛЬНО



Руководитель (уполномоченное
 лицо) органа по сертификации

Эксперт (эксперт-аудитор)
 (эксперты (эксперты-аудиторы))

[Handwritten signature]
 (подпись)

[Handwritten signature]
 (подпись)

Я.А. Козлова
 (инициалы, фамилия)

К.А. Маслякова
 (инициалы, фамилия)

ТАМОЖЕННЫЙ СОЮЗ

СЕРТИФИКАТ СООТВЕТСТВИЯ



№ TC RU C-TR.МЮ62.В.01524

Серия RU № 0244458

ОРГАН ПО СЕРТИФИКАЦИИ продукции Общества с ограниченной ответственностью «ПРОММАШ ТЕСТ». Место нахождения: 115114, Российская Федерация, город Москва, Дербеневская набережная, дом 11, помещение 60. Фактический адрес: 115114, Российская Федерация, город Москва, Дербеневская набережная, дом 11, помещение 60. Телефон: +7 (495) 775-48-45, факс: +7 (495) 775-48-45, адрес электронной почты: info@prommashtest.ru. Аттестат аккредитации регистрационный № РОСС RU.0001.11МЮ62 выдан 01.12.2014 года Федеральной службой по аккредитации

ЗАЯВИТЕЛЬ Общество с ограниченной ответственностью «ДС Компания».

Основной государственный регистрационный номер: 1107746937374.

Место нахождения: 105037, Российская Федерация, город Москва, улица 3-я Парковая, дом 9, офис 18

Фактический адрес: 105037, Российская Федерация, город Москва, улица 3-я Парковая, дом 9, офис 18

Телефон: 84955184754, факс: 84955184754, адрес электронной почты: dc.company2000@gmail.com

ИЗГОТОВИТЕЛЬ «GEMAS GENEL MUHENDISLIK MEKANIK SANAYI VE TIC.A.S.».

Место нахождения: Турция, Mimar Sinan Mah.Yasemin Sokak No.16 Kemerburgaz –ISTANBUL

Фактический адрес: Турция, Mimar Sinan Mah.Yasemin Sokak No.16 Kemerburgaz –ISTANBUL

ПРОДУКЦИЯ Электрические фильтры для бассейна торговой марки «GEMAS», моделей: Neptune, Filtrex, Filtrex-Norm Plus, Filtrex- HB, Premium, Turbidron, Ikarus, Filtrone, изготавливаемые по 97/23/EC, 97/23/AT.

Серийный выпуск

КОД ТН ВЭД ТС 8421 21 000 9

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза ТР ТС 004/2011 "О безопасности низковольтного оборудования"; Технического регламента Таможенного союза ТР ТС 020/2011 "Электромагнитная совместимость технических средств"

СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ протоколов испытаний №№ 1098-02-15, 1099-02-15 от 27.02.2015 года. Испытательный центр Общество с ограниченной ответственностью «АкадемСиб», аттестат аккредитации регистрационный № РОСС RU.0001.21AB09 действителен до 01.08.2016 года, фактический адрес: 630024, Российская Федерация, Новосибирская область, город Новосибирск, улица Бетонная, дом 14; акта анализа состояния производства № 01811АП от 03.02.2015 года органа по сертификации продукции Общества с ограниченной ответственностью «ПРОММАШ ТЕСТ»

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Срок службы 5-10 лет согласно технической документации изготовителя. Срок хранения указан в товаросопроводительной документации, приложенной к изделию.

СРОК ДЕЙСТВИЯ С 03.03.2015 ПО 02.03.2020 ВКЛЮЧИТЕЛЬНО



М.П.

Руководитель (уполномоченное лицо) органа по сертификации

Эксперт (эксперт-аудитор)
(эксперты (эксперты-аудиторы))

02.03.2020

(подпись)

А.П. Филагчев

(инициалы, фамилия)

Е.В. Морозова

(инициалы, фамилия)