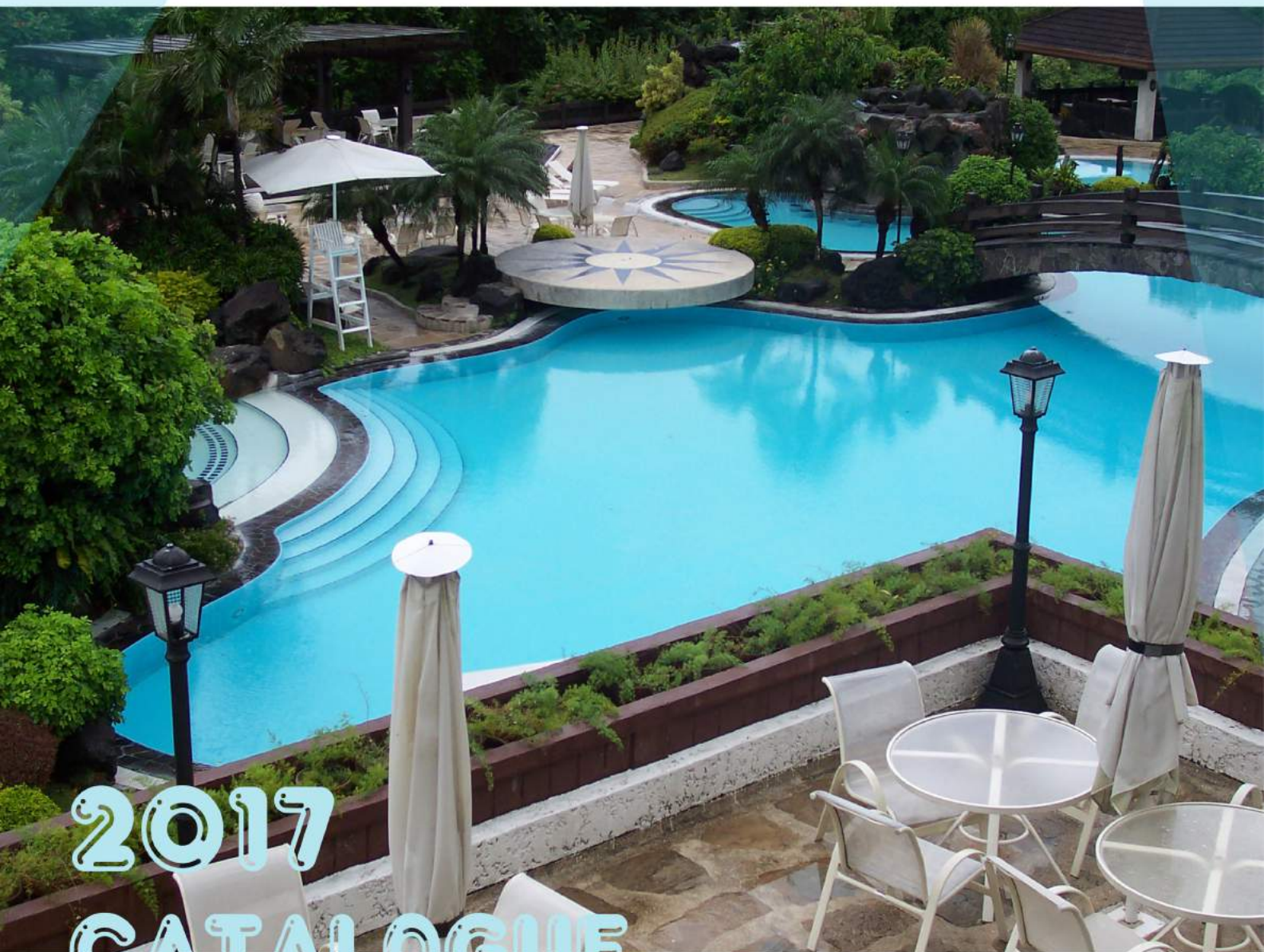


Your best swimming pool equipments

bro pools
all for your pool



2017
CATALOGUE

bro-pools.com

About Us

Bropools is an international company established in Spain dedicated in manufacturing and distributing high quality equipments and accessories for swimming pools.

With factory space and advanced technology imported from Europe, BROPOOLS provides reliable and certified products of European Standard at competitive prices. BROPOOLS is working today with distributors and industrial partners in over the world



BROPOOLS products have been carefully designed to guarantee the comfort and security for the final users. You will find BROPOOLS products as reliable solutions to your perfect pool.

Maintaining the quality of pool water is BROPOOLS priority and we stringently test our products to ensure they are easy to install, require minimum maintenance, and provide long term pool care.

BROPOOLS' factory and warehouses capacity commits to allow quick and efficient fulfillment of any order, BROPOOLS maintain a suitable stock of the most popular items in warehouse. With an international oriented team, BROPOOLS guarantee a quick and reliable understanding of your requirements with an efficient and safe logistic service.



Accessories



Sand filters



Skimmers

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Pool Pumps



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Cleaning Equipment



SAND FILTERS



SAND FILTERS

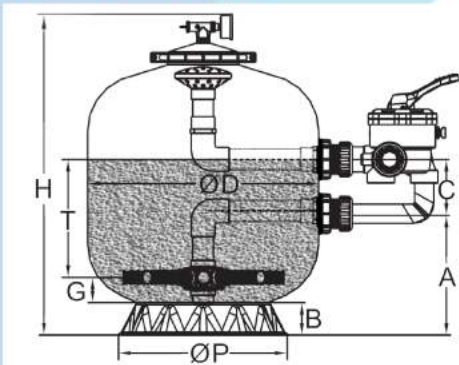
BWS BOBBIN SIDE MOUNT

FIBREGLASS SAND FILTERS

- The filter tank is made of an inner fibreglass bladder to resist implosion and high pressure capability.
- This process is recognised as one of the strongest methods of manufacturing a noncorrosive high strength filter tank.
- All components are injection moulded from high strength engineering plastics.
- Available from 400mm up to 900mm.
- Inner component materials are made of last generation plastic resins.
- The cover is fixed with a clamp system that is easy to remove and quickly locks in place.
- The maximum working pressure is 2.5kg/cm². - BWS sand filters go together with valve for models using 1.5" and 2" connections.



SPECIFICATIONS

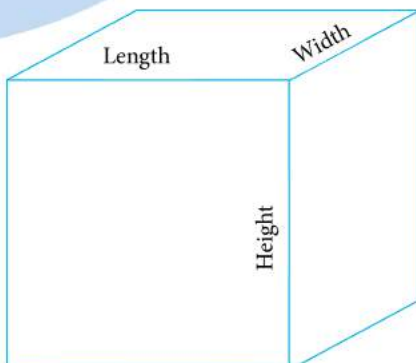


MODEL	FILTER Ø	CONNECTIONS inch	FLOW RATE m ³ /h	SAND WEIGHT (kg)	NET WEIGHT (kg)	VOLUME (m ³)
30101	400	1.5	6	50	12	0.22
30102	460	1.5	8	75	15	0.22
30103	500	1.5	10	100	16	0.22
30104	600	1.5	14	150	18.5	0.35
30105	700	1.5	18	200	20.6	0.44
30106	750	2	21	200	21.9	0.68
30107	800	2	24	330	23.8	0.68
30108	900	2	30	410	28.6	0.9

VALVES



PACKAGING



MODEL	Packaging tank box size (mm)			Packaging valve box size (mm)		
	Length	Width	Height	Length	Width	Height
30101	540	540	740	600	400	330
30102	540	540	740	600	400	330
30103	540	540	740	600	400	330
30104	650	650	830	600	400	330
30105	730	730	830	600	400	330
30106	840	840	960	730	550	330
30107	840	840	960	730	550	330
30108	940	940	1020	730	550	330

SAND FILTERS

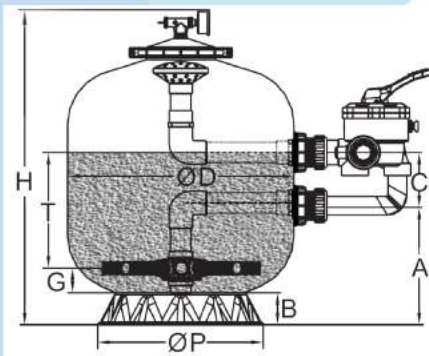
BWS GRANDE BOBBIN SIDE MOUNT

FIBREGLASS SAND FILTERS

- The base is made of fiberglass making it strong and durable.
- Available from 1050mm up to 1200mm.
- Inner component materials are made of last generation plastic resins.
- The cover is fixed with a clamp system that is easy to remove and quickly locks in place.
- The maximum working pressure is 2.5kg/cm².
- BWS sand filters go together with valve for models using 2" and 3" flange.



SPECIFICATIONS

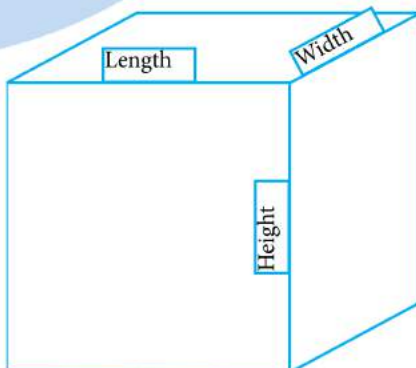


MODEL	FILTER Ø (mm)	CONNECTIONS inch	FLOW RATE m ³ /h	SAND WEIGHT (kg)	NET WEIGHT (kg)	VOLUME (m ³)
33010	1050	2	43	680	66.5	1.33
33012	1050	3 flange	43	680	71.5	1.33
33013	1200	2	56	850	81.5	1.71
33015	1200	3 flange	56	850	86.5	1.71

VALVES



PACKAGING



MODEL	Packaging tank box size (mm)			Packaging valve box size (mm)		
	Length	Width	Height	Length	Width	Height
33010	1100	1100	1220	730	550	330
33012	1100	1100	1220	-	-	-
33013	1220	1220	1270	730	550	330
33015	1220	1220	1270	-	-	-

SAND FILTERS

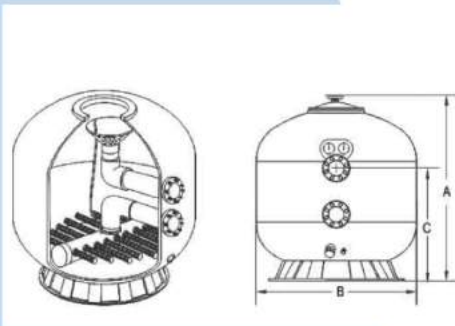
MAGNUM BOBBIN SIDE MOUNT

FIBREGLASS COMMERCIAL SAND FILTERS

- Filter tank made in polyester and non-corrosive fiberglass filaments winding.
- All internal components and connections are injection moulded PVC.
- Extra deep sand bed allows efficient filtration and backwashing.
- Designed to be assembled with butterfly valve and 2X3 oil pressure gauges are included.
- Large service opening (manhole) gives easy access to inside part of filter (optional)
- Sight glass made of top quality material (optional).
- Maximum operating pressure 4kg/cm².
- UV resistant surface enables the filters to work in the direct sunlight.
- Best choice for an efficient water filtration for public swimming pool and industrial water treatment system.

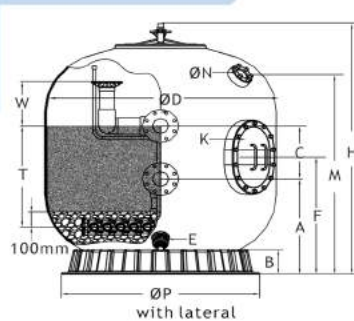


SPECIFICATIONS



MODEL	FILTER Ø (mm)	CONNECTIONS (mm)	FLOW RATE (m ³ /h)	SAND WEIGHT (kg)	GRAVE WEIGHT (kg)	FILTER AREA (m ²)
32002	1200	90	45	1250	300	1.13
32003	1400	110	61	1760	500	1.54
32004	1600	110	80	2450	750	2.01
32005	1800	160	101	3100	750	2.54
32006	2000	160	125	3800	1150	3.14
32007	2350	200	175	5275	1800	4.34
32008	2500	200	200	5950	2200	4.9

TECHNICAL PARAMETERS



MODEL	Ø D (mm)	H (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	K (mm)	M (mm)	N (mm)	Ø P (mm)	T (mm)	W (mm)
32002	1200	1400	560	165	340	60	740	180*180	1150	80	980	600	300
32003	1400	1600	650	165	350	60	800	400*300	1250	80	1215	700	300
32004	1600	1750	680	215	450	60	875	400*300	1450	80	1450	800	320
32005	1800	1950	730	215	550	60	910	400*300	1650	80	1610	850	320
32006	2000	2140	800	240	550	60	1050	400*300	1700	80	1800	900	350
32007	2350	2350	940	240	600	60	1070	450*350	1800	80	2010	100	400
32008	2500	2450	960	240	600	60	1100	450*350	1900	80	2010	1050	400

POOL PUMPS



POOL PUMPS

MARATHON

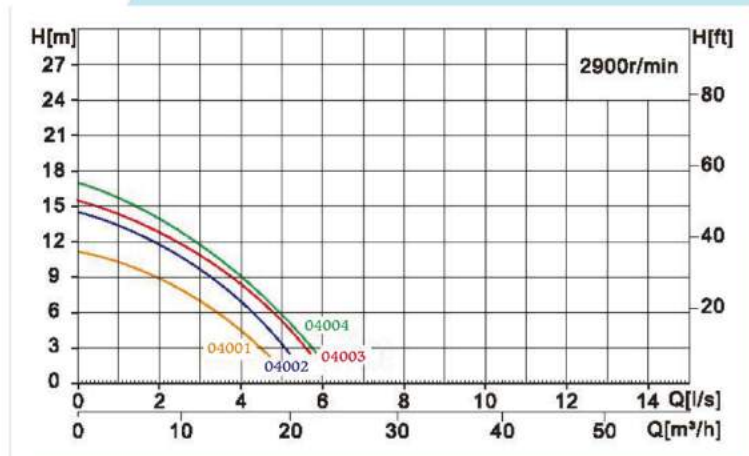
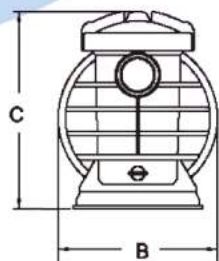
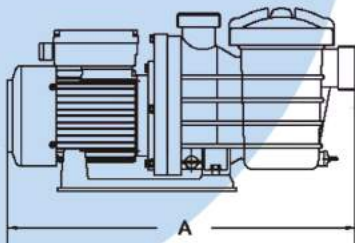
SELF - PRIMING POOL PUMPS

- Designed for domestic swimming pools or spa pools
- Pump housing, impeller are made of high reinforce plastic.
- Strong self - priming performance.
- Low energy consumption.
- Extremely quiet running.
- Using TPI bearing.
- Build in thermal protection.
- IPX5 waterproof standard.
- Available in 220V/50Hz; 110V/60Hz.



CHARACTERISTICS AND DIMENSIONS

MODEL	Motor Power (HP)	Voltage (V)	Frequency (RPM)	Flow rate (m ³ /h)	Head (m)	Connections (mm)	Packing dimension (mm)		
							Length	Width	Height
04001	0.75	220	2850	16.8	11	48/50	535	250	330
04002	1	220	2850	18.6	14.5	48/50	535	250	330
04003	1.25	220	2850	20.4	15.5	48/50	535	250	330
04004	1.5	220	2850	21	17	48/50	535	250	330



POOL PUMPS

05 MARATHON SERIES

SELF - PRIMING POOL PUMPS

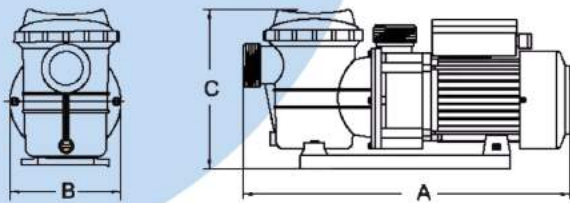
- Designed for domestic swimming pools or spa pools
- Pump housing, impeller are made of high reinforce plastic.
- Low energy consumption.
- Extremely quiet running.
- Using TPI bearing.
- Build in thermal protection.
- IPX5 waterproof standard.
- Available in 220V/50Hz; 110V/60Hz.



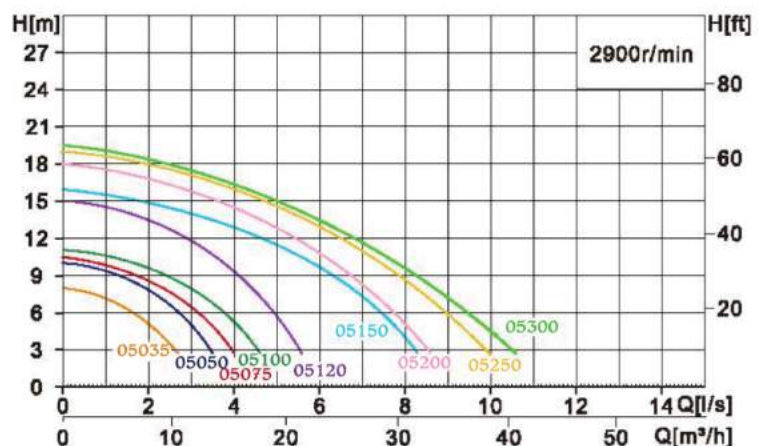
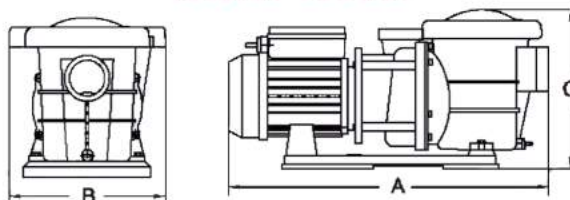
CHARACTERISTICS AND DIMENSIONS

MODEL	Power (HP)	Voltage (V)	Frequency (RPM)	Flow rate (m/h)	Head (m)	Connections (mm)	Packaging dimension (mm)		
							Length	Width	Height
05035	0.33	220	2850	9.6	8	48/50	475	195	295
05050	0.5	220	2850	12.6	10	48/50	475	195	295
05075	0.75	220	2850	14.4	10.5	48/50	495	195	295
05100	1	220	2850	16.5	11	48/50	495	195	295
05120	1.2	220	2850	20	15	48/50	545	195	295
05150	1.5	220	2850	30	16	60/63	600	295	345
05200	2	220	2850	31	18	60/63	600	295	345
05250	2.5	220	2850	36	19	60/63	600	295	345
05300	3	220/380	2850	38	19.5	60/63	600	295	345

05035 - 05120



05150 - 05300



POOL PUMPS

06 MARATHON SERIES

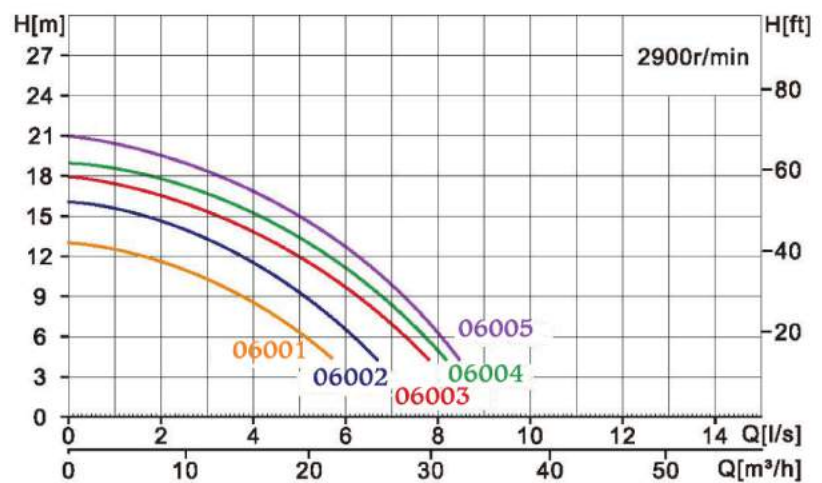
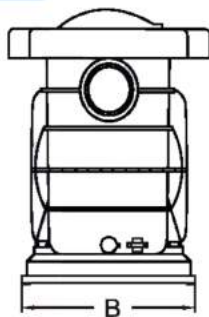
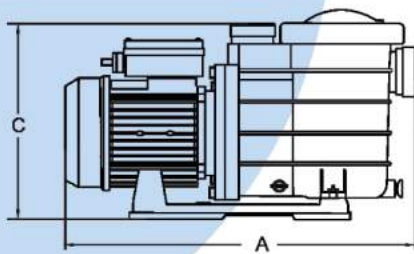
SELF - PRIMING POOL PUMPS

- Designed for domestic swimming pools or spa pools
- Pump housing, impeller are made of high reinforce plastic.
- Super flow, high head, high efficiency.
- Using TPI bearing.
- Build in thermal protection.
- IPX5 Waterproof standard



CHARACTERISTICS AND DIMENSIONS

MODEL	Power (HP)	Voltage (V)	Frequency (RPM)	Flow rate (m ³ /h)	Head (m)	Connections (mm)	Packaging dimension (mm)		
							Length	Width	Height
06100	1	220	2850	21	13	60/63	630	290	400
06150	1.5	220	2850	24	16	60/63	630	290	400
06200	2	220	2850	28	18	60/63	630	290	400
06250	2.5	220	2850	29.5	19	60/63	630	290	400
06300	3	220/380	2850	30.5	21	60/63	630	290	400



POOL PUMPS

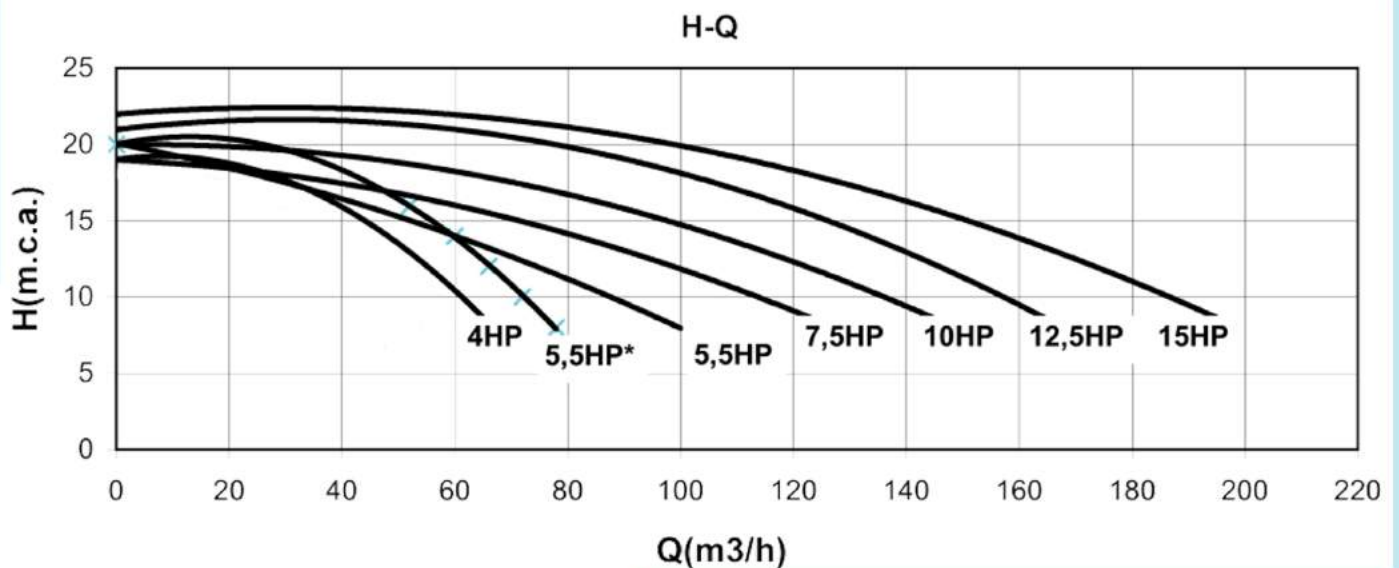
07 OLYMPIA SERIES

CAST IRON PUMPS

- Brospools' line of cast iron Olympia pump is designed for use in public pools as well as other installations dedicated to the supply, distribution and circulation of clean water
- Our cast iron pumps are designed to provide optimum performance levels, handling flows of up to 190 m³/h at 10 M.W.H.
- Olympia 3000 R.P.M. centrifugal pump with built-in volute and pre-filter.
- Outlets include flange connections in accordance with DIN-2501 PN16 standard.
- Suction/discharge connections from DN80-3" to DN 125-5".
- The motor complies with IP-54 protection standards and Class F insulation.
- AISI-316 stainless steel shaft and spring-loaded mechanical seal.
- AISI-304 stainless steel pre-filter strainer basket.



CURVES

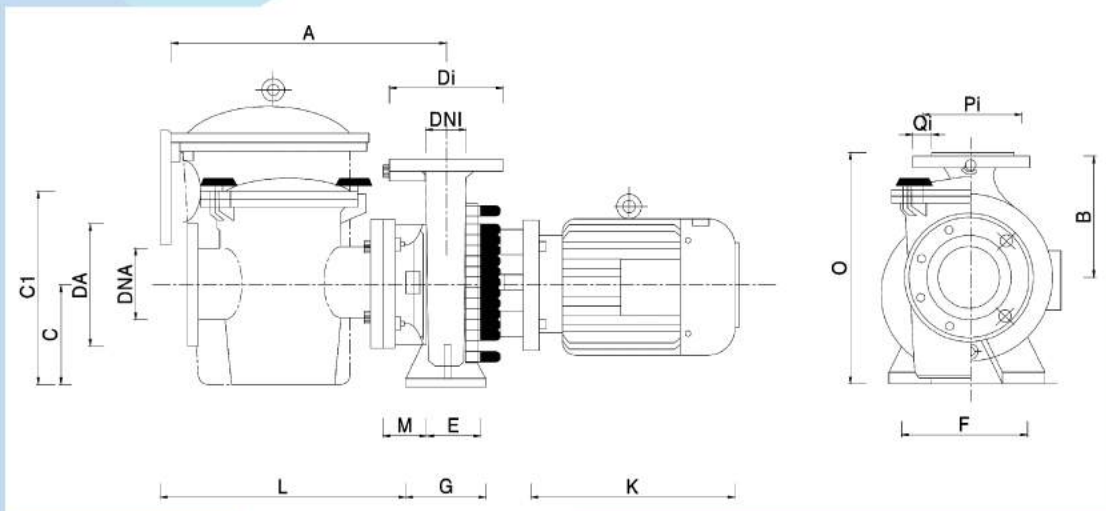


POOL PUMPS

07 OLYMPIA SERIES

CHARACTERISTICS AND DIMENSIONS

MODEL	Power (kW)	Voltage (V)	Impeller	Hz	Rpm	Da	Di	DNA	DNI
07040	4	230/400	Cast Iron	50	3000	200	200	80 - 3"	81 - 3"
07055A	5.5	230/400	Cast Iron	50	3000	200	200	81 - 3"	82 - 3"
07055B	5.5	230/400	Bronze	50	3000	200	200	82 - 3"	83 - 3"
07075A	7.5	230/400	Cast Iron	50	3000	220	220	100 - 4"	100 - 4"
07075B	7.5	230/400	Bronze	50	3000	220	220	100 - 4"	100 - 4"
07100A	10	230/400	Cast Iron	50	3000	220	220	100 - 4"	100 - 4"
07100B	10	230/400	Bronze	50	3000	220	220	100 - 4"	100 - 4"
07125A	12.5	230/400	Cast Iron	50	3000	220	220	100 - 4"	100 - 4"
07125B	12.5	230/400	Bronze	50	3000	220	220	100 - 4"	100 - 4"
07150A	15	230/400	Cast Iron	50	3000	250	250	125 - 5"	125 - 5"
07150B	15	230/400	Bronze	50	3000	250	250	125 - 5"	125 - 5"



MODEL	A	B	C	E	F	G	J	K	L	M	O	Pi
07040	485	180	160	70	212	100	435	245	888	65	340	160
07055A	485	180	160	70	212	100	435	245	888	65	340	160
07055B	485	180	160	70	212	100	435	245	888	65	340	160
07075A	487	205	160	95	187	125	425	315	976	55	365	180
07075B	487	205	160	95	187	125	425	315	976	55	365	180
07100A	487	205	160	95	187	125	425	315	976	55	365	180
07100B	487	205	160	95	187	125	425	315	976	55	365	180
07125A	487	205	160	95	187	125	425	355	1016	55	365	210
07125B	487	205	160	95	187	125	425	355	1016	55	365	210
07150A	517	233	181	95	187	125	425	355	1029	70	365	210
07150B	517	233	181	95	187	125	425	355	1029	70	365	210

POOL PUMPS

BR WATER PUMPS

QDS - A SERIES

- Two pole induction motor (n=2850 rp.m)
- Insulation Class B
- Protection IP68
- Single - Phase 220v/50Hz, 60Hz if request
- 3m maximum immersion depth
- Liquid temperature up to 350C
- Maximum ambient temperature 400C
- Component: Construction
- Pump body: Technopolymer for QDP, AISI 304 SS for QDS-C/D
- Suction Filter: Technopolymer for QDP & QDS-A, AISI 304 SS for QDS-C/D
- Impeller: Noryl
- Motor Shaft: AISI 420 SS, AISI 304 SS if request
- Mechanical: Ceramic/ Graphite



CHARACTERISTICS

MODEL	Power (kW)		Q (m3/h)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1
	KW	HP	Q (l/min)	0	15	30	45	60	75	90	105	120	135
QDS-250A/C/D	0.25	0.34	H	6	5.5	5.3	5	4.4	3.5	2.6	1.2		
QDS-370A/C/D	0.37	0.5		7	6.5	6	5.5	5	4.5	3.8	2.8	1.5	
QDS-550A/C/D	0.55	0.75		9	8	7.5	7	6.5	6	5.5	5	4	3
QDS-750A/C/D	0.75	1		10	9	8.5	8	7.5	7	6.5	v	4.8	4

HEAT PUMPS

bropool.com



HEAT PUMPS

BRO A SERIES 1P

POOLS WITH CONSTANT HEAT PUMPS

- High efficiency and eco - friendly by using R410a refrigerant gas.
- COP (co-efficient of Performance) of up to 6, reduce the running cost by 70 - 80% compared with other ordinary hot water equipment.
- Can heat and cool the water or keep water temperature constant for pool.
- Dual speed fan for extra energy efficiency and noise reduction.
- Suitable for Koi ponds as well as swimming pool or sauna, spa.
- We fuse intelligent, wireless, central control and monitor multiple units with full IT company internet interface that can be applied worldwide.
- Titanium heat exchanger use patented high performance titanium exchanger made from one model by Bro Pools Company.
- It has more stable performance which leads to efficient heat transfer without any dangers of corrosion from chlorine in the water and creates a longer lifespan.
- The elegant digital remote control and panel, patented socket - style.
- PGB make maintains easier and operation simple.
- Use the high - efficiency, low sound rotary or scroll compressor, low noise fan.
- The new generation water flow switch with better performance and longer lifetime.
- Defrosting under low temperature to avoid freezing works down to - 10°C.



CHARACTERISTICS

MODEL	Heating power (kW)	Input (kW)	Current (A)	COP (kW/kW)	Max heat input (kW)	Max current (A)	Noise (m)	Connections (mm)	Flow rate (m/h)
BRO-A14-1P	14	2.6	12.4	5.3	3.5	16.8	54	50	8
BRO-A17-1P	17	3.3	15.8	5.2	4.3	20.7	55	50	10
BRO-A21-1P	21	3.8	18.2	5.5	5.1	24.6	57	50	12
BRO-A21-1P	21	4	7.2	5.2	5.1	9.5	57	50	12
BRO-A26-1P	26	4.7	8.4	5.5	6.4	11.4	57	50	15
BRO-A35-1P	31	5.8	10.4	5.3	7.7	13.9	59	50	18

- Power supply 220 - 240V/1P H/50Hz
- Controller: LED/LCD
- Heat exchanger: Titanium Coil
- Fan speed: RPM

- Compressor: BRO-A14-1P Rotary; BRO-A17-1P - BRO-A35-1P Scroll.
- Pressure Drop: kpa

HEAT PUMPS

BRO A SERIES 3P

POOLS WITH CONSTANT HEAT PUMPS

- High efficiency and eco – friendly by using R410a refrigerant gas.
- COP (co-efficient of Performance) of up to 6, reduce the running cost by 70 – 80% compared with other ordinary hot water equipment.
- Can heat and cool the water or keep water temperature constant for pool.
- Dual speed fan for extra energy efficiency and noise reduction.
- Suitable for Koi ponds as well as swimming pool or sauna, spa.
- We fuse intelligent, wireless, central control and monitor multiple units with full IT company internet interface that can be applied worldwide.
- Titanium heat exchanger use patented high performance titanium exchanger made from one model by Bro Pools Company.
- It has more stable performance which leads to efficient heat transfer without any dangers of corrosion from chlorine in the water and creates a longer lifespan.
- The elegant digital remote control and panel, patented socket – style.
- PGB make maintains easier and operation simple.
- Use the high – efficiency, low sound rotary or scroll compressor, low noise fan.
- The new generation water flow switch with better performance and longer lifetime.



CHARACTERISTICS

MODEL	Heating power (kW)	Input (kW)	Current (A)	COP (kW/kW)	Max heat input (kW)	Max current (A)	Noise (m)	Connections (mm)	Flow rate (m/h)
BRO-A17-3P	17	3.3	15.8	5.2	4.4	21.1	55	50	10
BRO-A17S-3P	17	3.4	6.1	5	4.4	7.9	57	50	10
BRO-A21-3P	21	4.1	7.3	5.1	5.5	9.8	57	50	12
BRO-A26-3P	26	5	8.9	5.2	6.8	12.1	57	50	15
BRO-A353P	35	6	10.7	5.2	8.1	14.4	59	50	18

- Power supply 380 - 400V/3P H/50Hz
- Controller: LED/LCD
- Heat exchanger: Titanium Coil
- Fan speed: RPM

- Compressor: Scroll.
- Pressure Drop: kpa

HEAT PUMPS

BRO B SERIES 3P

POOLS WITH CONSTANT HEAT PUMPS

- High efficiency and eco – friendly by using R410a refrigerant gas.
- COP (co-efficient of Performance) of up to 6, reduce the running cost by 70 – 80% compared with other ordinary hot water equipment.
- Can heat and cool the water or keep water temperature constant for pool.
- Dual speed fan for extra energy efficiency and noise reduction.
- Suitable for Koi ponds as well as swimming pool or sauna, spa.
- We fuse intelligent, wireless, central control and monitor multiple units with full IT company internet interface that can be applied worldwide.
- Titanium heat exchanger use patented high performance titanium heat exchanger made from one model by Bro Pools Company.
- It has more stable performance which leads to efficient heat transfer without any dangers of corrosion from chlorine in the water and creates a longer lifespan.
- The elegant digital remote control and panel, patented socket – style.
- PGB make maintains easier and operation simple.
- Use the high – efficiency, low sound rotary or scroll compressor, low noise fan.
- The new generation water flow switch with better performance and longer lifetime.



CHARACTERISTICS

MODEL	Heating power (kW)	Input (kW)	Current (A)	COP (kW/kW)	Max heat input (kW)	Max current (A)	Noise (m)	Connections (inch)	Flow rate (m/h)
BRO-B45-3P	45	8.7	15.6	5.2	11.4	20.4	60	2	24
BRO-B55-3P	55	10.4	18.6	5.3	14	25.1	60	2	30
BRO-B90-3P	90	16.7	29.9	5.4	22.5	40.2	62	3	52
BRO-B135-3P	135	24.5	87.7	5.5	34.5	61.6	65	4	77

- Power supply 380 - 400V/3P H/50Hz
- Controller: LED/LCD
- Heat exchanger: Titanium Coil
- Fan speed: RPM

- Compressor: PC14 Rotary; PC17 - PC 35 Scroll.
- Pressure Drop: kpa

PORTABLE FILTERS



bropools

PORTABLE FILTERS

PF0025

CHARACTERISTICS

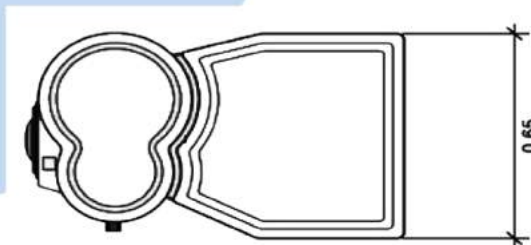
- This specially engineered, self contained filtration unit is installed on the wall of your pool requiring on piping and using the built in skimmer and outlet jets.
- The built in filter element and light make this an all round easy unit to install for any type of pool.
- The specially designed for UV and chemical protection for long lasting durability.



SPECIFICATIONS

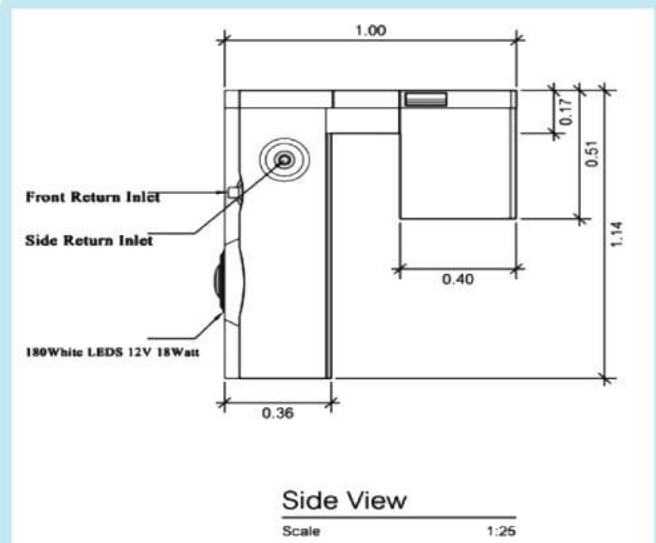
MODEL	Power (HP)	Flow rate (m/h)	Precision of filtration	Pool volume (m)	Net weight (kg)
PF0025	1.5	25	5 micron	80	60

DIMENSIONS



Top View

Scale 1:25



Side View

Scale 1:25

UNDERWATER LIGHTS



UNDERWATER LIGHTS

TLT SERIES

WALL MOUNTED LED POOL LIGHTS

- Corrosion resistance
- Trim ring color: White/ Blue
- Operating voltage: AC 12V
- Working temperature: -20°C - 45°C
- Lifespan: 50.000 hours
- Warranty: 2 years

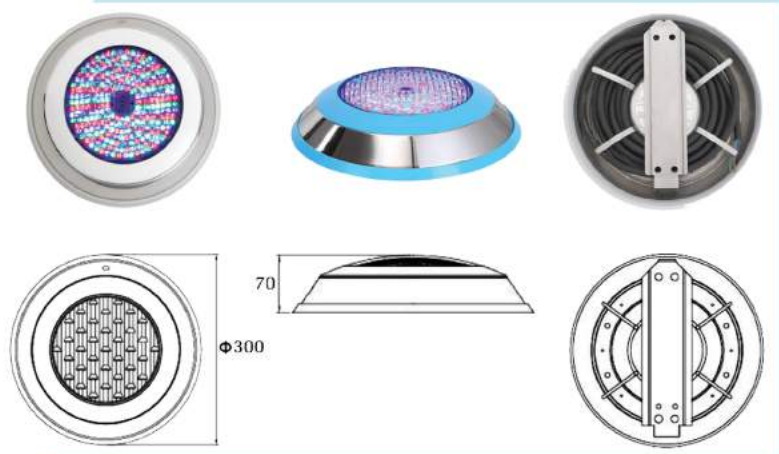


SPECIFICATIONS

MODEL	Light source	LED quality (pcs)	Power (W)	Luminous Flux (LM)	
				Pure white/ Warm white	RGB
TLT LED 10	SMD 2835 LED	144	10	750	360
TLT LED 18A	SMD 2835 LED	252	18	1400	650
TLT LED 18B	SMD 5050 LED	105	18	1400	650
TLT LED 30	SMD 2835 LED	441	30	2200	1100
TLT LED 35	SMD 2835 LED	546	35	2600	1300

DIMENSIONS

- Dimensions (mm): 300*70
- Body material: Stainless steel 304/316



UNDERWATER LIGHTS

TLP SERIES

TLP LED POOL LIGHTS

- Corrosion resistance
- Trim ring color: White/ Blue
- Operating voltage: AC 12V
- Working temperature: -20°C - +35°C
- Lifespan: 50.000 hours
- Warranty: 2 years



SPECIFICATIONS

MODEL	Light source	LED quality (pcs)	Power (W)	Luminous Flux (LM)	
				Pure white/ Warm white	RGB
TLP LED 12	High power led 12*1W	12	12	900	450
TLT LED 18	High power led 18*1W	18	18	1400	650
TLP LED 24	High power led 24*1W	24	24	1800	900
TLP LED 36	High power led 12*3W	12	36	2200	1100

DIMENSIONS

- Dimensions (mm): 300*70
- Body material: Stainless steel 304/316



TRANSFORMERS

TRANSFORMER FOR UW LIGHTS

CHARACTERISTICS

- Manufactured according to the rules UNE – EN 61558 and directive CE.
- IP – 657 housing protection degree.
- Transformer Class II.
- Total Protection against electric shock.
- Frequency 50/60 Hz.



SPECIFICATIONS

MODEL	T50	T100	T300	T500	
INPUT CORD	Cable H05RN - F			-	
PRIMARY	Input voltage	120VAC/230VAC		220V	
	Input frequency	50Hz/60Hz		-	
	Input Power (W)	50.59	105	305	500
	Input Current (no load) (mA)	80	71	1.5	-
SECONDARY	1 Output Voltage (no load)	12.2V		12/24VAC	
	1 Output Current (load) (A)	3.95	4.37	24	-
	1 Output Power	50	100	300	500
	Short circuit Protection	Temperature fuse			

LADDERS



LADDERS

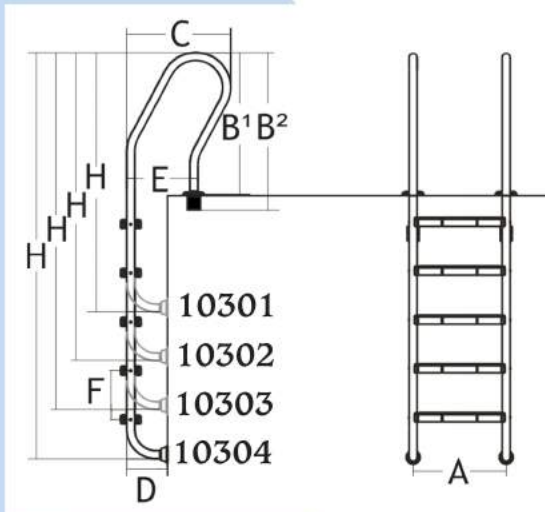
SS304 HANDRAIL LADDERS

STRONG, DURABLE AND RELIABLE LADDERS

- All ladders are manufactured of stainless steel tube with diameter 43mm, width 500mm in a shiny polished finish.
- The stainless steel steps are wide (500mm), safe and convenient to use.
- The safety design guards against slippage or cuts.
- Each ladder style can be supplied with 2, 3, 4 or 5 steps.
- Come with plastic stoppers that rest against the pool wall and protect it from damage, as well as with an anchor point, for a grounding connection.



SPECIFICATIONS AND DIMENSIONS



MODEL	10301	10302	10303	10304
Steps	2	3	4	5
A (mm)	500	500	500	500
B1 (mm)	640	640	640	640
B2 (mm)	710	710	710	710
C (mm)	490	490	490	490
D (mm)	180	180	180	180
E (mm)	320	320	320	320
F (mm)	250	250	250	250
H (mm)	1330	1580	1830	2080

LADDER SPARE PARTS



ESCUTCHEON



FOOT PAD

STEP



HOLDING BRACKET



ANCHOR

LADDERS

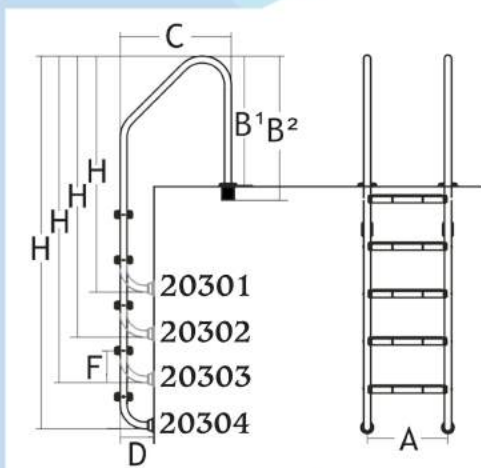
STANDARD HANDRAIL LADDERS

STRONG, DURABLE AND RELIABLE LADDERS

- All ladders are manufactured of stainless steel tube with diameter 43mm, width 500mm in a shiny polished finish.
- The stainless steel steps are wide (500mm), safe and convenient to use.
- The safety design guards against slippage or cuts.
- Each ladder style can be supplied with 2, 3, 4 or 5 steps.
- Come with plastic stoppers that rest against the pool wall and protect it from damage, as well as with an anchor point, for a grounding connection.



SPECIFICATIONS AND DIMENSIONS



MODEL	20301	20302	20303	20304
Steps	2	3	4	5
A (mm)	500	500	500	500
B1 (mm)	720	720	720	720
B2 (mm)	790	790	790	790
C (mm)	645	645	645	645
D (mm)	180	180	180	180
E (mm)	320	320	320	320
F (mm)	250	250	250	250
H (mm)	1320	1570	1820	2070

LADDER SPARE PARTS



ESCUTCHEON



FOOT PAD

STEP



HOLDING BRACKET



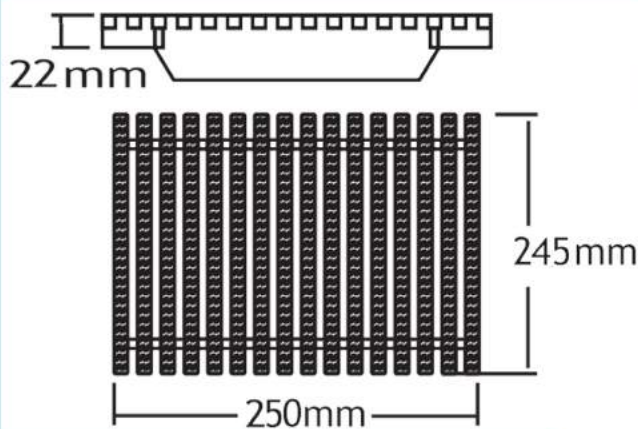
ANCHOR

POOL GRATINGS



GRATINGS

TRANSVERSAL GRATINGS



- Clicking with cable. (49 units per m)
- Built using homopolymer PP, with additives for protection against UV rays.

MODEL	h	Channel width	Grating width
01013	22	200	195
01014	22	250	245

TRANSVERSAL GRATINGS FOR CURVES



- Snaps together on central spine allowing for flexibility between tiles. (45 units per metre).
- Built using homopolymer PP, with additives for protection against UV rays.



MODEL	h	Channel width	Grating width
01015	22	200	195
01016	22	250	245
01017	22	300	295
01018	22	340	335

WATER TREATMENT



WATER TREATMENT

CHLORINE CHEMICAL

SHOCK CHLORINE 90% TABLETS

- Swimming pools require a constant level of chlorine in the water at all times.
- The moment that chlorine drops below 1.0 ppm, algae and bacteria begin to thrive. 1.0 ppm is a generally accepted minimum for public pool health standards, however recent studies have suggested that cyanuric acid in the pool water has a suppressive effect on the mobility and strength of free chlorine molecules.
- The Shock Chlorine can be used in 3 cases, When filling the pool with water : 5 days (20 gum.) per 50 Cb.m. to be placed in the skimmer or in a chlorine dispenser until the ideal chlorine level is reached.
- NET WEIGHT: 5kg/ unit



LONG LASTING CHLORINE 70% TABLETS

- Chlorine today is one of the most widely produced chemicals in the whole world, finding its way into a multitude of products.
- Just about any manufactured product uses chlorine at one step along the way. Chlorine is also used in many industries for disinfection or sanitizing of surfaces, equipment or aqueous solutions, including pool water.
- The blocks of long lasting chlorine are highly concentrated (available chlorine 84% minimum) and make permanent chlorination of the pools possible. Their use has an effect on the pH, does not clog the filters and does not cause cloudiness in the water.
- Using: 1 tablet in 50cbm pool water for 4 - 5 long day.
- NET WEIGHT: 5kg/ unit; 200g/tablet



LONG LASTING CHLORINE 70% POWDER



- The blocks of long lasting chlorine are highly concentrated (available chlorine 84% minimum) and make permanent chlorination of the pools possible. Their use has an effect on the pH, does not clog the filters and does not cause cloudiness in the water.
- Properly Chlorine level: 1 - 1.5ppm.
- Direction for use: In order to maintain pool chlorine daily, use long lasting Chlorine 1.2kg in 100 cbm of pool water. 2 - 3 times per week.

WATER TREATMENT

pH CHEMICALS

GRANULAR pH MINUS

- pH Minus is used to adjust the pH level of pool water to be between 7.2-7.6 for the optimum efficiency of water treatment. Add pH Minus when the pH level is above 7.6

DIRECTION FOR USE:

- In order to lower pH level 0.1, use pH Minus 0.5 Kg. in 50 cb.m. of pool water.
- The dosage given is approximately.
- Regularly Check and adjust pH to be at appropriate level. For the optimum efficiency, add pH Minus into skimmer of filter basket and make sure to remove all other chemicals from the filter basket before adding.



GRANULAR pH PLUS

- pH Plus is used to adjust the pH level of pool water to be between 7.2-7.6 for the optimum efficiency of water treatment. Add pH Plus when the pH level is above 7.2.

DIRECTION FOR USE:

- In order to raise up pH level 0.2 , use pH Plus 0.5 Kg. in 50 cb.m. of pool water.
- The dosage given is approximately.
- Regularly check and adjust PH to be at appropriate level.
- For the optimum efficiency, add pH Plus in to skimmer of filter basket and make sure to remove all other chemicals from the filter basket before adding.



WATER TREATMENT

pH CHEMICALS



POWDER pH MINUS

- pH Minus is used to adjust the pH level of pool water to be between 7.2-7.6 for the optimum efficiency of water treatment. Add pH Minus when the pH level is above 7.6

- Net weight: 25kg/unit

DIRECTION FOR USE:

- In order to lower pH level 0.1, use pH Minus 1 Kg. in 100 cb.m. of pool water.
- The dosage given is approximately.
- Regularly Check and adjust pH to be at appropriate level. For the optimum efficiency, add pH Minus into skimmer of filter basket and make sure to remove all other chemicals from the filter basket before adding.



POWDER pH PLUS

- pH Plus is used to adjust the pH level of pool water to be between 7.2-7.6 for the optimum efficiency of water treatment. Add pH Plus when the pH level is above 7.2.

- Net weight: 25kg/unit

DIRECTION FOR USE:

- In order to raise up pH level 0.2, use pH Plus 1 Kg. in 100 cb.m. of pool water.
- The dosage given is approximately.
- Regularly check and adjust PH to be at appropriate level.
- For the optimum efficiency, add pH Plus in to skimmer of filter basket and make sure to remove all other chemicals from the filter basket before adding.

POOL FITTINGS



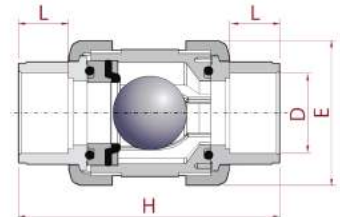
FITTINGS

BALL CHECK VALVES

UP - B. 67. SF1

- PVC - U body
- Female solvent socket
- Metric series
- O - rings in EPDM

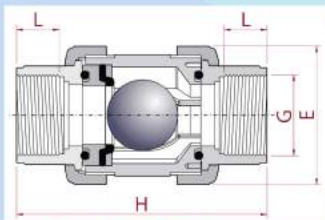
MODEL	D (mm)	REF	DN (mm)	PN (mm)	L (mm)	H (mm)	E (mm)
22078	20	05 67 220	15	16	16	84	52
22079	25	05 67 225	20	16	19	108	62
22080	32	05 67 232	25	16	22	119	70
22174	40	05 67 240	32	16	26	142	84
25697	50	05 67 250	40	16	31	162	94
25698	63	05 67 263	50	16	38	192	117
22175	75	05 67 275	65	10	44	232	148
22176	90	05 67 290	80	10	51	269	179
22177	110	05 67 310	80	10	51	269	179



UP - B. 67. FT1



- PVC - U body
- BSP female thread
- O - rings in EPDM

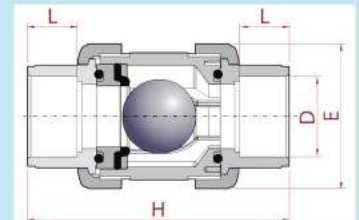


MODEL	G (inch)	REF	DN (mm)	PN (mm)	L (mm)	H (mm)	E (mm)
22061	1/2	05 67 420	15	16	16	84	52
22062	3/4	05 67 425	20	16	19	108	62
22085	.1	05 67 432	25	16	22	119	70
22086	1 1/4	05 67 440	32	16	26	142	84
25699	1 1/2	05 67 450	40	16	31	167	104
25700	2	05 67 463	50	16	38	192	117
22087	2 1/2	05 67 475	65	10	44	232	148
22088	3	05 67 490	80	10	51	269	179
22089	4	05 67 510	80	10	61	279	179

UP - B. 67. SF4

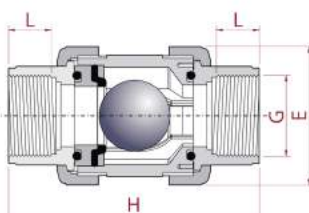
- PVC - U body
- Female solvent socket
- Metric series
- O - rings in Viton

MODEL	G (mm)	REF	DN (mm)	PN (mm)	L (mm)	H (mm)	E (mm)
22090	20	05 67 220 VI	15	16	16	84	52
22091	25	05 67 225 VI	20	16	19	108	62
22092	32	05 67 232 VI	25	16	22	119	70
22239	40	05 67 240 VI	32	16	26	142	84
25701	50	05 67 250 VI	40	16	31	162	94
25702	63	05 67 263 VI	50	16	38	192	117
22240	75	05 67 275 VI	65	10	44	232	148
22241	90	05 67 290 VI	80	10	51	269	179
22242	110	05 67 310 VI	80	10	51	269	179



UP - B. 67. FT4

- PVC - U body
- BSP female thread
- O - rings in viton



MODEL	D (inch)	REF	DN (mm)	PN (mm)	L (mm)	H (mm)	E (mm)
22243	1/2	05 67 420 VI	15	16	16	84	52
22244	3/4	05 67 425 VI	20	16	19	108	62
22267	1	05 67 432 VI	25	16	22	119	70
22268	1 1/4	05 67 440 VI	32	16	26	142	84
25703	1 1/2	05 67 450 VI	40	16	31	167	104
25704	2	05 67 463VI	50	16	38	192	117
22269	2 1/2	05 67 475VI	65	10	44	232	148
22270	3	05 67 490 VI	80	10	51	269	179
22893	4	05 67 510 VI	80	10	61	279	179

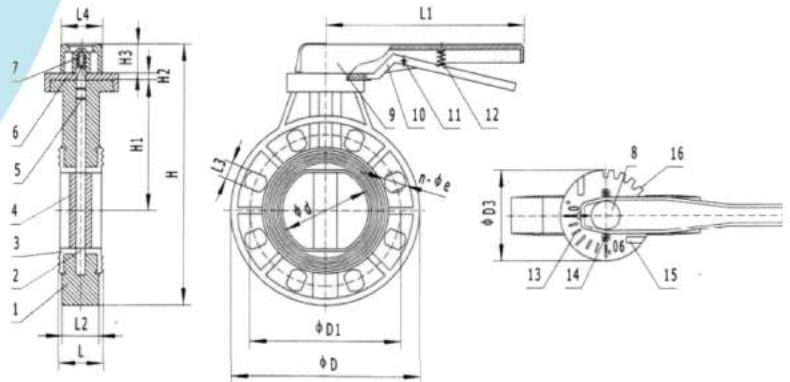
FITTINGS

BUTTERFLY VALVES

LEVER HANDLE TYPE



- Working Pressure: 150 PSI
- DIN/ANSI/JIS
- Low Torque
- Full Port Design
- OEM work



NO	PART	MATERIAL	Q'TY	NO	PART	MATERIAL	Q'TY
1	Body	UPVC ABS FRPP	1	9	Handle	ABS	1
2	Stem	STEEL SS304 316	1	10	Lever	ABS	1
3	Seal	EPDM NBR	1	11	Insert Pin	STEEL	1
4	Disc	UPVC ABS FRPP	1	12	Spring	SS304	1
5	O - ring	EPDM	2	13	Scale		
6	Indicator	ABS	1	14	Screw	STEEL	4
7	Bolts	SS304	1	15	Position Limit		
8	Brand cap	ABS	1	16	Position Block		

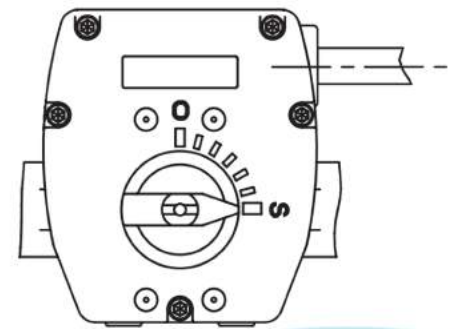
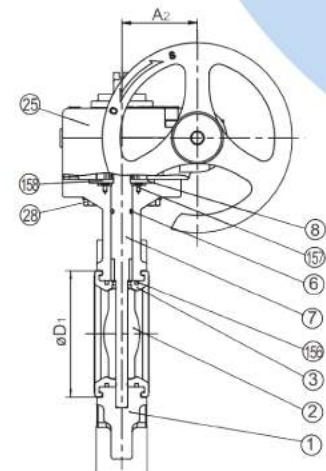
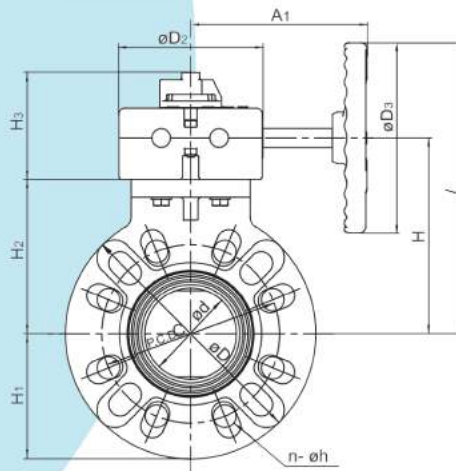
DIMENSION DETAILS

MODEL	ϕD	ϕd	$\phi D3$	L1	L	H	DIN $\phi D1$	ANSI $\phi D1$	n- ϕe	Pressure (PSI)	Weight (kg)
DN50-2"	160	50	120	195	43	225	125	121	4-24	150	1.15
DN65-2 1/2"	180	65	120	195	46	248	145	140	4-24	150	1.25
DN80-3"	196	80	120	240	49	280	160	152	8-24	150	1.75
DN100-4"	228	100	120	240	56	320	180	191	8-26	150	2.3
DN125-5"	258	125	160	310	64	370	210	216	8-27	150	4.2
DN150-6"	287	150	160	310	70	400	240	241	8-27	150	4.85
DN200-8"	345	200	160	310	88	470	295	298	8-28	100	7.8

FITTINGS

BUTTERFLY VALVES

GEAR OPERATED



Caution:

- Never remove valve from pipe-line under pressure.
- Always wear protective gloves

Nominal Size		30°	60°	90°
Inch	mm			
8	200	150	1525	2500
10	250	232	2355	3860
12	300	300	3477	5700

NO	PART	MATERIAL	Q'TY	NO	PART	MATERIAL	Q'TY
1	Body	PVC, PP, PVDF	1	25	Gear Bo	Plasgear™	1
2	Disc	PVC, CPVC, PP, PVDF	1	28	Bolt	Stainless Steel 304	4
3	Seat	EPDM, FKM, NBR	1	156	Liner Stabilization Ring	Stainless Steel SCS13	2
6	O - ring	EPDM, FKM, NBR	1	157	Screw (F)	Stainless Steel 304	4
7	Stem	Stainless Steel 316	1	158	Gasket	EPDM	1
8	Stem Retainer	PP	1				

DIMENSION DETAILS

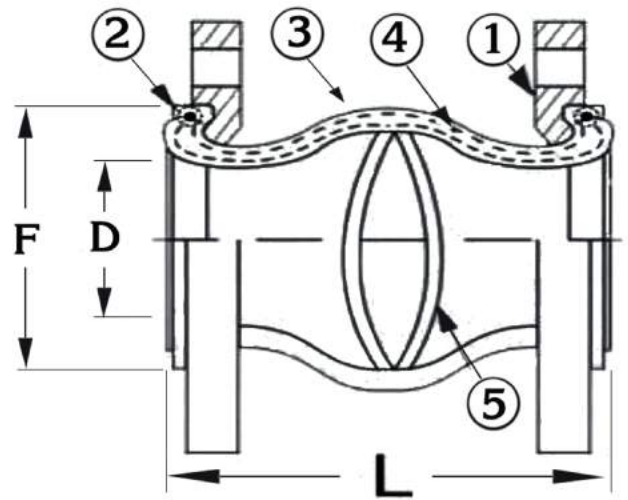
Nominal Size			ANSI CLASS 150			øD	øD1	øD2	øD3	L	H	H1	H2	H3	I	A1	A2	Wheel cycles
Inch	mm	d	C	n	h													
8	200	7.68	11.75	8	0.88	13.39	9.53	4.8	6.3	3.43	9.49	6.69	8.11	3.54	12.64	6.57	2.52	9.5
10	250	9.84	14.25	12	1	16.57	11.89	4.8	6.3	4.33	10.87	8.31	9.49	3.62	14.02	6.57	2.52	9.5
12	300	11.93	17	12	1	19.21	14.17	7.4	11.81	5.08	13.39	9.61	11.73	4.25	19.29	10.71	3.9	9.5
14	350	13.82	18.75	12	1.12	21.22	15.47	7.4	11.81	5.08	14.45	10.63	12.8	4.25	20.35	10.71	3.9	9.5

FITTINGS

SINGLE-SPHERE CONNECTOR



Operating conditions	AMS		AMSH	
	1" - 12"	14" - 28"	1" - 12"	14" - 28"
Operating pressure	16kg/cm ²	8kg/cm ²	25kg/cm ²	16kg/cm ²
Burst Pressure	60kg/cm ²	24kg/cm ²	75kg/cm ²	48kg/cm ²
Vacuum Rating	650mm/Hg		650mm/Hg	



Symbol	Part	Engineering material
1	Flanges	SS41 (Changeable)
2	Wire	Carbon Steel wires strand
3	Elastomer	Special Synthetic rubber
4	Reinforcing fabric	Synthetic Fiber
5	Vacuum ring	SUS304

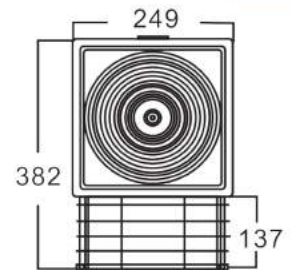
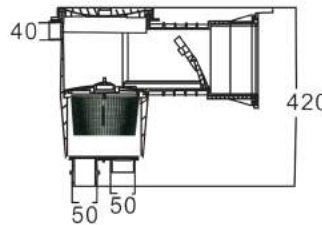
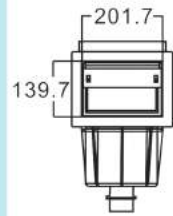
DIMENSION DETAILS

ITEM	SIZE I.D	L	ØD	ØF	Allowable Movements in Operation			
					Axial Compression (mm)	Axial Elongation (mm)	Transverse Movement (mm)	Angular Deflection (°)
AMS-101	1"	95	25	60	8	4	8	15°
AMS-101Q	1-1/4"	95	40	69	8	4	8	15°
AMS-101H	1-1/2"	95	40	69	8	4	8	15°
AMS-102	2"	105	52	86	8	5	8	15°
AMS-102H	2-1/2"	115	68	106	12	6	10	15°
AMS-103	3"	130	76	116	12	6	10	15°
AMS-104	4"	135	103	150	18	10	12	15°
AMS-105	5"	170	128	180	18	10	12	15°
AMS-106	6"	180	152	209	18	10	12	15°
AMS-108	8"	205	194	260	25	14	22	15°
AMS-110	10"	240	250	320	25	14	22	15°
AMS-112	12"	260	300	367	25	14	22	15°
AMS-114	14"	265	320	408	25	16	22	15°
AMS-116	16"	265	372	472	25	16	22	15°
AMS-118	18"	265	415	522	25	16	22	15°
AMS-120	20"	265	454	570	25	16	22	15°
AMS-124	24"	254	580	690	19	13	19	15°
AMS-128	28"	254	680	800	19	13	19	15°

WALL SKIMMERS

STANDARD WALL SKIMMER

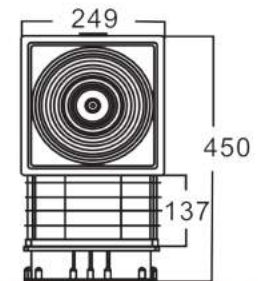
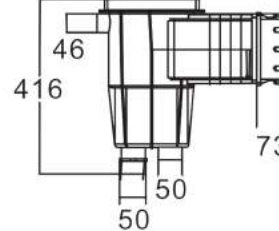
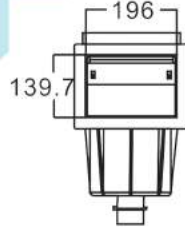
For concrete pool



MODEL	Color	Material	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H ¹ (mm)	H ² (mm)	H ³ (mm)
90010	White	ABS	139.7	50	201.7	249	40	382	137	420	

SKIMMER WITH EXTENDED THROAT

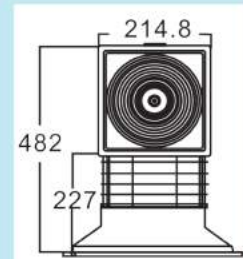
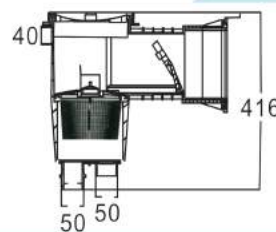
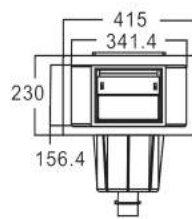
For concrete pool



MODEL	Color	Material	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H ¹ (mm)	H ² (mm)	H ³ (mm)
90013	White	ABS	139.7	50	196	249	46	63	450	137	416

WIDE MOUTH SKIMMER

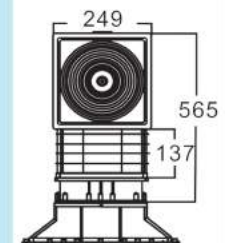
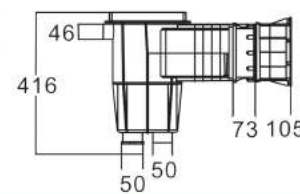
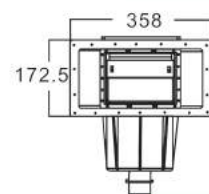
For concrete pool



MODEL	Color	Material	A ¹ (mm)	A ² (mm)	B (mm)	C ¹ (mm)	C ² (mm)	D (mm)	E (mm)	H ¹ (mm)	H ² (mm)	H ³ (mm)
90020	White	ABS	230	156.4	50	341.4	415	214.8	40	482	227	416

WIDE MOUTH VS EXTENDED THROAT SKIMMER

For concrete pool



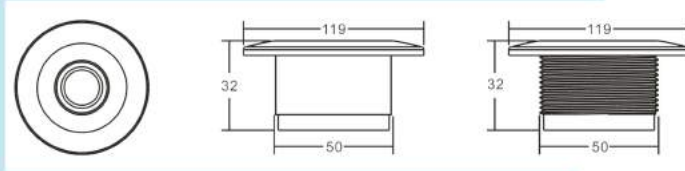
MODEL	Color	Material	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H ¹ (mm)	H ² (mm)	H ³ (mm)
90023	White	ABS	172.5	50	358	249	46	73	105	416	137	565

FITTINGS

WALL INLETS AND SUCTIONS

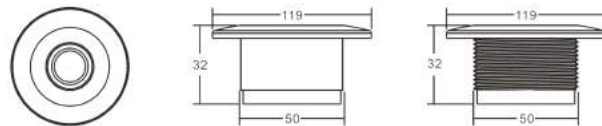
MULTIFLOW WALL INLETS

For concrete pool, Nonthreaded, w/ext. 60mm and int. Diameter of 50mm



MODEL	Color	Material	A (mm)	C (mm)	D(mm)
92828	White	ABS	50	32	119

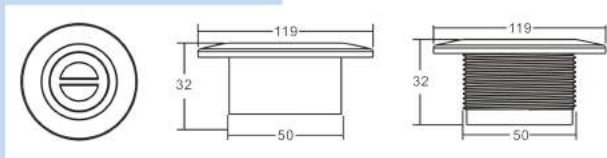
For concrete pool, threaded, w/ext. 2" and int. Diameter of 50mm



MODEL	Color	Material	A (mm)	C (mm)	D(mm)
92828 - 2	White	ABS	50	32	119

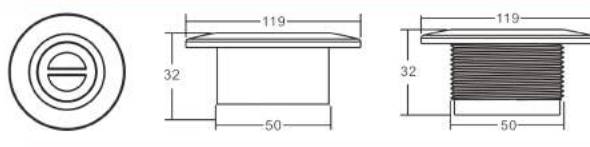
SUCTION NOZZLE

For concrete pool, Nonthreaded, w/50mm int. & 2"/60mm ext. Joint



MODEL	Color	Material	A (mm)	C (mm)	D(mm)
92827	White	ABS	50	32	119

For concrete pool, threaded, w/50mm int. & 2"/60mm ext. Joint

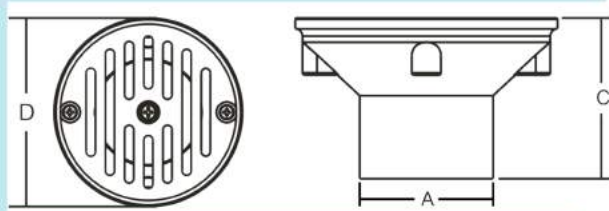


MODEL	Color	Material	A (mm)	C (mm)	D(mm)
92827 - 2	White	ABS	50	32	119

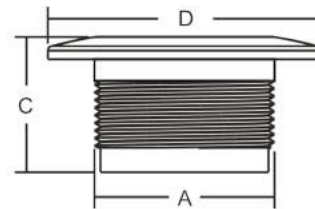
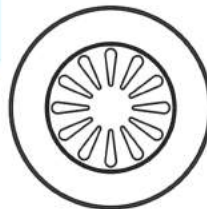
FITTINGS

WALL RETURN AND FLOOR INLET

WALL RETURN



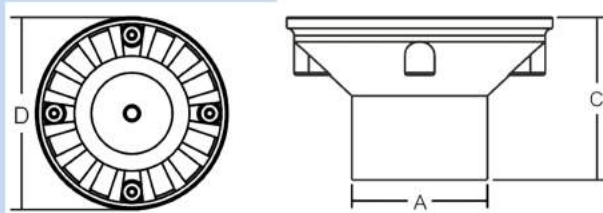
MODEL	Color	Material	A (mm)	C (mm)	D(mm)
02824	White	ABS	58	66	108



MODEL	Color	Material	A (mm)	C (mm)	D(mm)
02833	White	ABS	58	53	103

FLOOR INLET

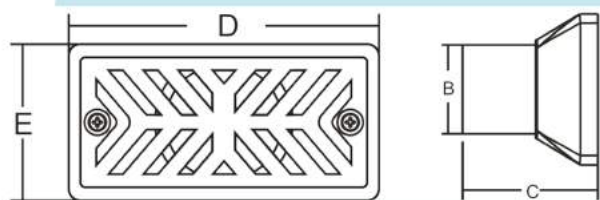
Bottom inlet for concrete pool with 50mm int & 2" ext. fitting



MODEL	Color	Material	A (mm)	C (mm)	D(mm)
92825	White	ABS	60	66	108

GUTTER DRAIN

Overflow Gutter drain w/50mm int. & 2" ext. fitting

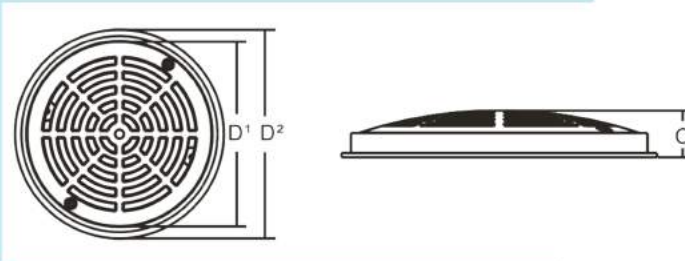


MODEL	Color	Material	B (mm)	C (mm)	D(mm)	E(mm)
92819	White	ABS	60	99	152	77

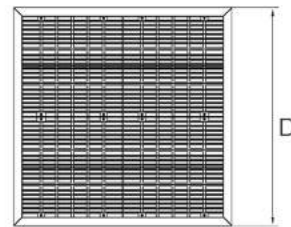
FITTINGS

MAIN DRAIN

MAIN DRAIN COVERS



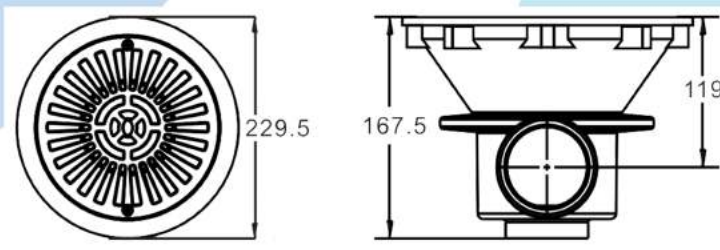
MODEL	Color	Materials	D ¹ (mm)	D ² (mm)	C (mm)
02830	White	ABS	195	208	32



MODEL	Color	Materials	D (mm)	C (mm)
02812	White	ABS	303	32
02814	White	ABS	490	66
02815	White	ABS + UV; Stainless steel	505	50
02816	White	ABS + UV	263	70

MAIN DRAIN

Circular ABS Maindrain for concrete pool, w/170mm in diameter & 2" int. tr

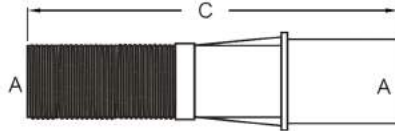
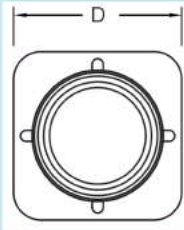


MODEL	Color	Material	A (mm)	C (mm)	D(mm)
92832	White	ABS	119	167.5	229.5

FITTINGS

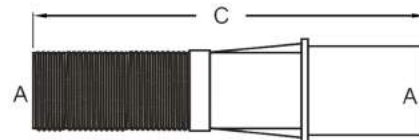
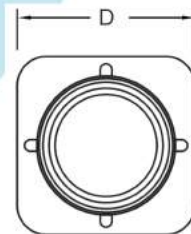
CONDUITS & JETS

WALL CONDUIT Wall conduit w/50mm Threaded ext. & 2" Nonthreaded int.



MODEL	Color	Material	A (mm)	C (mm)	D(mm)
92840	Grey	ABS	50	300	80

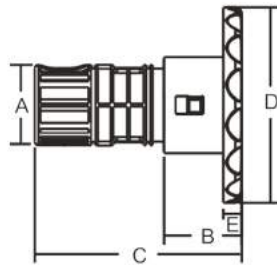
Wall conduit w/50mm Threaded ext. & 2" threaded int.



MODEL	Color	Material	A (mm)	C (mm)	D(mm)
92840 - 1	Grey	ABS	50	300	80

STANDARD JET

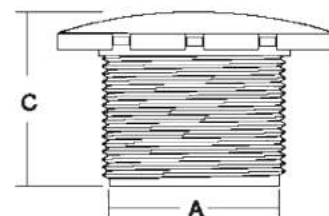
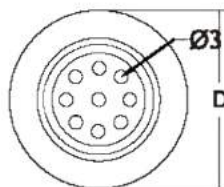
Circular ABS Maindrain for concrete pool, w/170mm in diameter & 2" int. tr



MODEL	Color	Material	A (mm)	B (mm)	C (mm)	D(mm)	E(mm)
00340	White	ABS	44	43	113	89	10

NINE HOLE JET

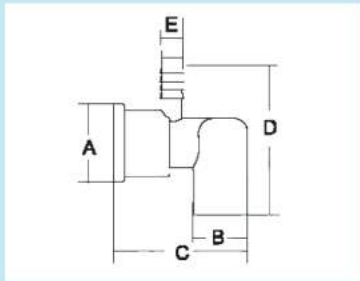
Wall conduit w/50mm Threaded ext. & 2" threaded int.



MODEL	Color	Material	A (mm)	C (mm)	D(mm)
02211	White	ABS	27	26	38

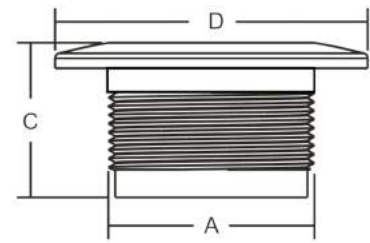
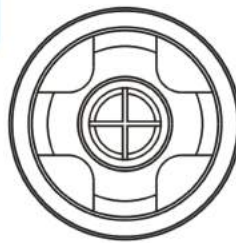
FITTINGS

JET



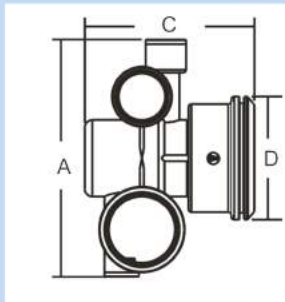
MODEL	Color	Material	A (mm)	B (mm)	C (mm)	D(mm)	E(mm)
02201	White	ABS	38	28	69	73	12

EYE BALL JET



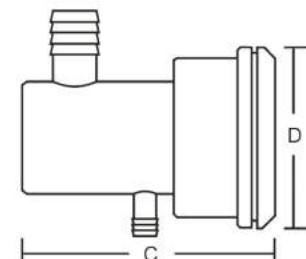
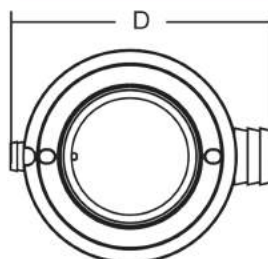
MODEL	Color	Material	A (mm)	C (mm)	D(mm)
02844	White	ABS	58	58	103

AIR WATER TEE BODY



MODEL	Color	Material	A (mm)	B (mm)	C (mm)	D(mm)	E(mm)
00310	White	ABS	44	43	113	89	10

BARD WATER TEE BODY



MODEL	Color	Material	C (mm)	D(mm)
00210	White	ABS & PVC	115	102

CLEANING EQUIPMENTS



CLEANING EQUIPMENTS

LEAF SKIMMER

58780



MODEL	DESCRIPTION
58780	Aluminium leaf skimmer blue anodized handle
76880	Deep rake handle
56680	Heavy duty plastic leaf skimmer
66080	Professional heavy duty aluminum deep rake
80680	Leaf skimmer with magnet, replaceable mesh

76880



56680



66080

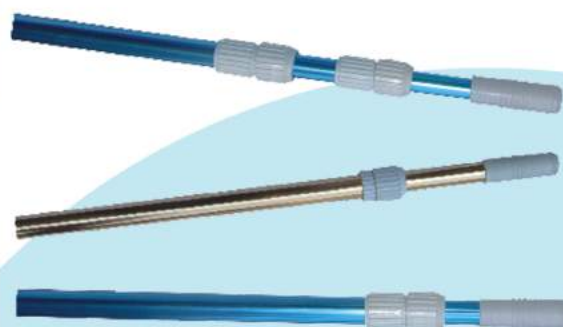


80680



TELESCOPIC POLES

Length	Ribbed pole 0.8mm thick	Ribbed pole 1.1 mm thick
2 * 1200mm	63480	89980
2 * 1800mm	63380	-
2 * 2400mm	63280	75480
3 * 1000mm	63180	-
3 * 1200mm	66380	77880



VACUUM HOSE



Length	Extruded PE Hose O1 1/2	Ribbed pole 1.1 mm thick
7.5m	84380	86380
9m	85380	86480
10.5m	85480	86580
11m	84480	84680
13m	89680	81380
15m	85780	86880
30m	85750	-
36m	88880 (1m/section)	-
50m	87690(1m/section)	-

CLEANING EQUIPMENTS

VACUUM HEADS

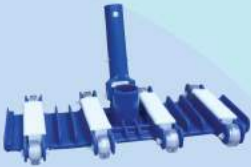
55680



55280



55180



60880



90180



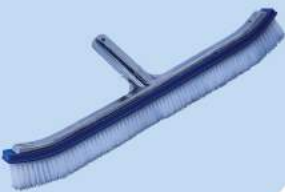
90280



MODEL	DESCRIPTION
55680	Flexible vacuum head for in - ground pool
55180	Flexible vacuum head for in - ground pool
60880	Deluxe large vacuum head cast iron weighted
55280	Deluxe triangular vacuum head
90180	Vacuum head with four wheels
90280	Deluxe large vacuum head with four wheels
56180	Deluxe new designed vacuum head
56280	Deluxe new designed vacuum brush

BRUSHES

52580



80480



89080



52480



MODEL	DESCRIPTION
52480	10"/26cm Stainless steel algae brush
52580	18"/45cm Deluxe wall brush with aluminium back
80480	Scrubber Pad brush
89080	Flexible brush with aluminium handle

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