

# LASWIM

WATER ENVIRONMENT EQUIPMENT



# SWIMMING POOL AND SPA PRODUCTS

PUMPS | POOL FILTERS | UNDERWATER LIGHTS | DISINFECTING EQUIPMENT | HEAT PUMP | COMPETITION POOL EQUIPMENT  
HYDROTHERAPY EQUIPMENT | POOL FITTINGS & CLEANERS | LASWIM SWIM SPA & FILTRATION UNITS

Алматы (7273)495-231  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
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Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37  
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Саранск (8342)22-96-24  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97  
Тверь (4822)63-31-35

Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
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PUMPS

POOL FILTERS

UNDERWATER LIGHTS

DISINFECTING EQUIPMENT

HEAT PUMP

COMPETITION POOL  
EQUIPMENT

HYDROTHERAPY  
EQUIPMENT

POOL FITTINGS &  
CLEANERS

LASWIM SWIM SPA &  
FILTRATION UNITS



TO BE A PROFESSIONAL MANUFACTURER WITH A FULL RANGE OF EQUIPMENT & TECHNICAL SERVICE IN WATER ENVIRONMENT INDUSTRY

# PUMPS



HVSP SERIES  
VARIABLE SPEED PUMP

# BDP SERIES HIGH PERFORMANCE PUMP

BDP series high performance plastic centrifugal pump delivers high flow rates. It's designed for the commercial swimming pool,spa,waterfall and water features to achieve the maximum working efficiency with the lowest noise. Suitable for operation with salt chlorinators and sea water.

### Highlight Features:

- High efficiency motors IE3.
- IPX5 waterproof standard.
- Asynchronous, two poles.
- Insulation class: F.
- The advanced diffuser and high efficiency turbine maximize water flow and energy efficiency while minimizing turbulence and noise.
- Self-priming up to 3M above water level.
- Built-in thermal protection and overload protection.
- The oversized pre-filter basket(5L) extends the interval between cleanings.

### Material:

- Pump Housing: PP+35% GF
- Filter basket: PP
- Shaft: 316L
- Mechanical Seal: stationary face-SiC, rotating face-Graphite, seal bellows-NBR, Spring-316L
- Impeller: PPO+30% GF
- Diffuser: PPO+30% GF
- Pump base: PP+30% GF



High Performance



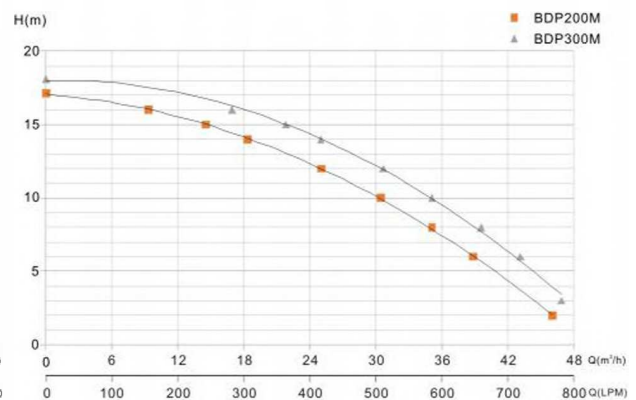
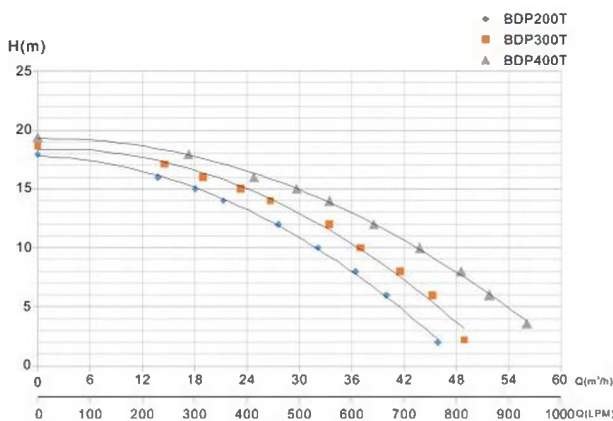
IE3 Motor



Self-priming Up To 3m

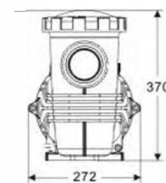
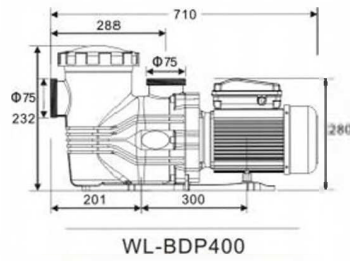
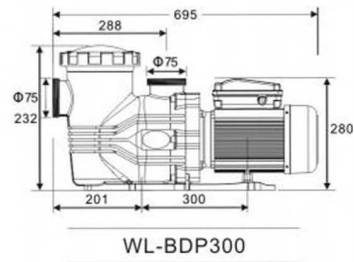
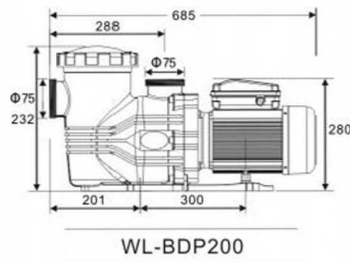


### QH.Curve of The Pump



**KEY FEATURES:**

The advanced diffuser and high efficiency turbine maximize water flow and energy efficiency while minimizing turbulence and noise.



Model	Q-max (m <sup>3</sup> /h)	H-max (m)	Horsepower (HP)	Phase	Rated Power (KW)	Voltage (V)	Current (AMP)	Connection Size
WL-BDP200M	42	18	2	1	1.5	220	8.6	2" 63mm
WL-BDP300M	45	18.5	3	1	2.2	220	10.6	2.5" 75mm
WL-BDP200T	43	18.5	2	3	1.5	380	3.2	2" 63mm
WL-BDP300T	48	19	3	3	2.2	380	3.8	2.5" 75mm
WL-BDP400T	55	19.5	4	3	2.7	380	4.4	2.5" 75mm

## HVSP SERIES VARIABLE SPEED PUMP

LASWIM HVSP series variable speed pump is a valuable product, with the feature of energy saving, efficient, intelligent and safe and suitable for swimming pool, hot spring and water feature. It provides users with the best solution for energy saving, avoids the unnecessary consumption of energy and increase the operating efficiency to maximize the user's operating cost.

### Material:

- Totally Enclosed Fan Cooled(TEFC)
- Shaft: SS316
- Mechanical Seal: Carbon+Resin-Ceramics  
(Carbon, Ceramics, SS304, NBR)
- Bearing: NSK

### Features:

- The inlet or outlet of the pump with an external thread, which can connect with metric or imperial pipes.
- The pump has excellent performance and reliable quality, which can bear 25000 times of impact test.
- Liquid Temperature: 5~50 °C ( 41~122 °F).
- Ambient Temperature: up to 45 °C (113 °F).
- Maximum working pressure: 2.5 bar.
- IPX5 waterproof standard
- Class I protection against electric shock.
- Thermal protection included.
- Power Supply: 220V/50Hz/60Hz



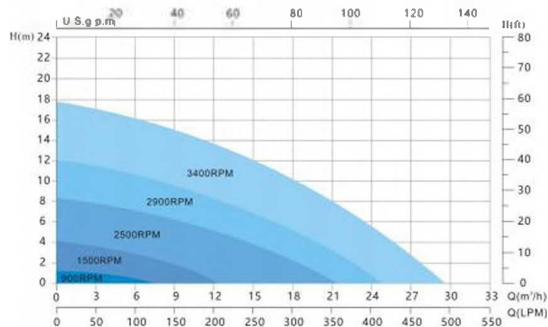
CE



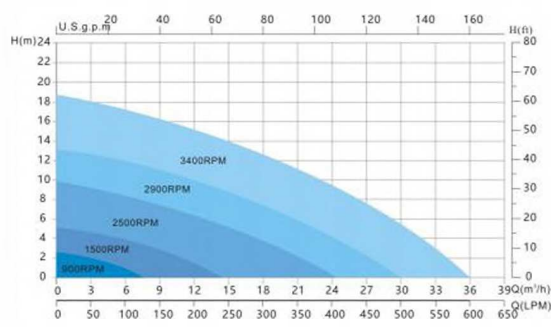
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### Qh.curve of the Pump:

HVSP 200

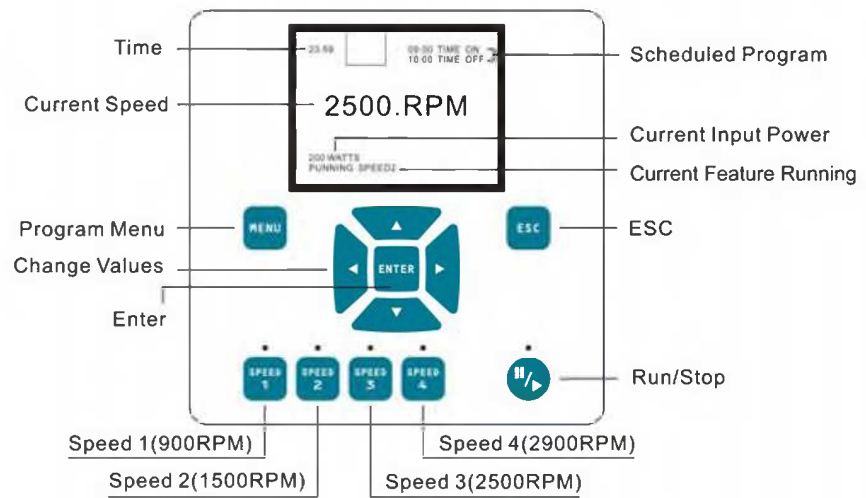


HVSP 300





CE



#### Energy Saving

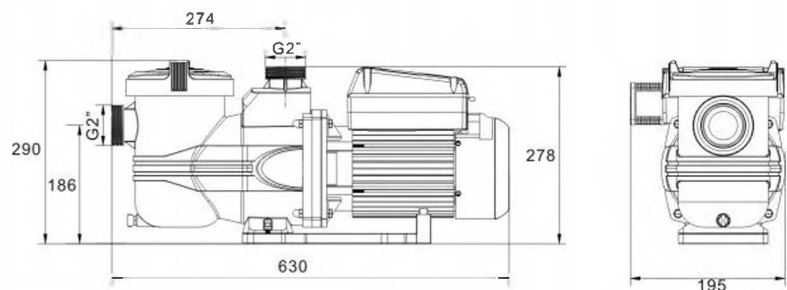
Traditional pumps operate at set, unchangeable speeds. Those speeds are almost always higher than required. As a result, they overpower the jobs they're assigned to do, which wastes energy. HVSP pump with built-in intelligent technology, can achieve variable speed operations, and reduce up to 80% of energy consumption.

#### High efficiency

HVSP variable speed pump combines efficient motor with excellent internal geometric structure of the pump, making it a powerful, quiet and reliable multi-purpose pump.

#### Application & Installation

HVSP series variable pump uses infinitely adjustable-speed intelligent frequency conversion technology. It is suitable for all types and sizes of pools and spa combinations, especially for waterfalls and fountains. Fully programmable with up to 4 preset speed and timer functions.



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-HVSP200	2.0	1.5	1	220	2" 63mm	630	245	290
WL-HVSP300	3.0	2.2	1	220	2" 63mm	630	245	290



# BVSP SERIES VARIABLE SPEED PUMP

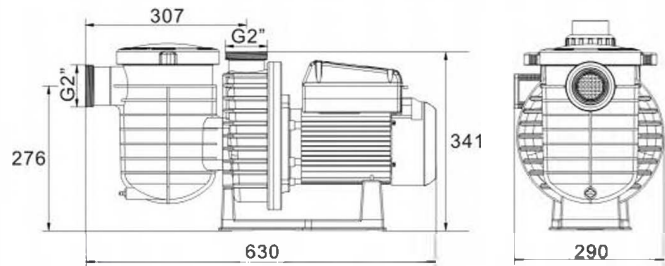
**Material:**

- Totally Enclosed Fan Cooled(TEFC)
- 5L Strainer Basket
- Shaft: SS316
- Mechanical Seal: Carbon+Resin-Ceramics  
(Carbon,Ceramics,SS304,EPDM)
- Bearing: NSK

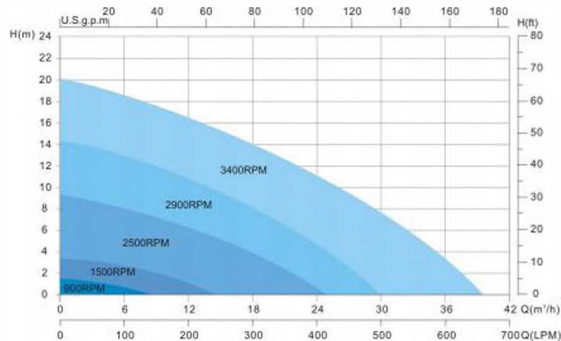


**Features:**

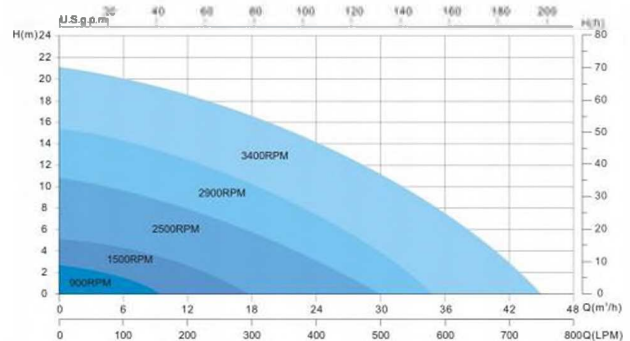
- The inlet or outlet of the pump with an external thread, which can connect with metric or imperial pipes.
- The pump has excellent performance and reliable quality, which can bear 25000 times of impact test.
- Liquid Temperature: 5~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 45 °C ( 113 °F).
- Maximum working pressure: 2.5 bar.
- IPX5 waterproof standard
- Class I protection against electric shock.
- Thermal protection included.
- Power Supply: 220V/50Hz/60Hz



**BVSP 200**



**BVSP 300**



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Length (mm)	C Length (mm)
WL-BVSP200	2.0	1.5	1	220	2" 63mm	630	290	360
WL-BVSP300	3.0	2.2	1	220	2" 63mm	630	290	360

## BHP/BHP-E SERIES PUMP



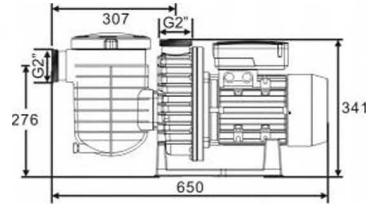
**Material:**

- Pump Housing: Polypropylene 35%+35% Fiberglass
- Filter Basket: Polypropylene
- Shaft: SS304  
SS316 (For seawater pump BHP-E series)
- Bearing: NSK
- Mechanical seal:  
Carbon+Resin-Ceramics (Carbon, Ceramics,SS304,EPDM)  
SS316+EPDM(Sealsbellows)+SIC+Graphite  
(For seawater pump BHP-Eseries)
- Impeller: Noryl+30% Fiberglass
- Diffuser: Noryl+30% Fiberglass
- Pump Base: PP+35% Fiberglass

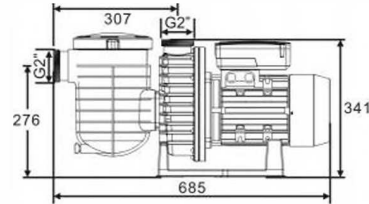
BHP/BHP-E heavy-duty pumps deliver high flow and high performance. It's designed for commercial swimming pools. Unique large diffuser and maximum performance impeller with high-performance motor maximize energy efficiency.

**Features:**

- The inlet or outlet of the pump with an external thread, which can connect with metric or imperial pipes.
- The pump has excellent performance and reliable quality, which can bear 25000 times of impact test.
- Liquid Temperature: 5~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 40°C (104°F).
- Maximum working pressure: 2.5 bar.
- IPX5 waterproof standard
- Class I protection against electric shock.
- Thermal protection included.
- The motor is painted fluoride-resistant acid corrosion protective coating, resists chemical and marine corrosion. (for BHP-E series pump)
- Motor: 3000r.p.m.
- 50Hz or 60Hz is available for different necessities.

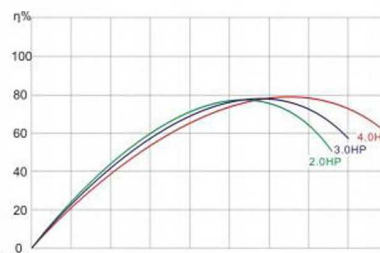
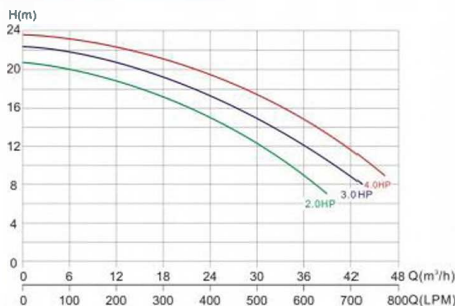


WL-BHP200/300



WL-BHP400

**QH.Curve of The Pump**



Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size
WL-BHP200M WL-BHP-E200M	38	20	2.0	1.5	1	220	2" 63mm
WL-BHP300M WL-BHP-E300M	42	21	3.0	2.2	1	220	2" 63mm
WL-BHP200T WL-BHP-E200T	38	20	2.0	1.5	3	380	2" 63mm
WL-BHP300T WL-BHP-E300T	42	21	3.0	2.2	3	380	2" 63mm
WL-BHP400T WL-BHP-E400T	45	22	4.0	3.0	3	380	2" 63mm

## HLLF SERIES PUMP

### Material:

- Pump housing: Polypropylene 35%+35% Fiberglass
- Filter basket: Polypropylene
- Shaft: SS304
- Bearing: NSK
- Mechanical seal: Carbon+Resin-Ceramics (Carbon, Ceramics, SS304,NBR)
- Impeller: Noryl+30% Fiberglass
- Diffuser and pump base: PP+35% Fiberglass



CE

0.75HP-1.5HP

### Features:

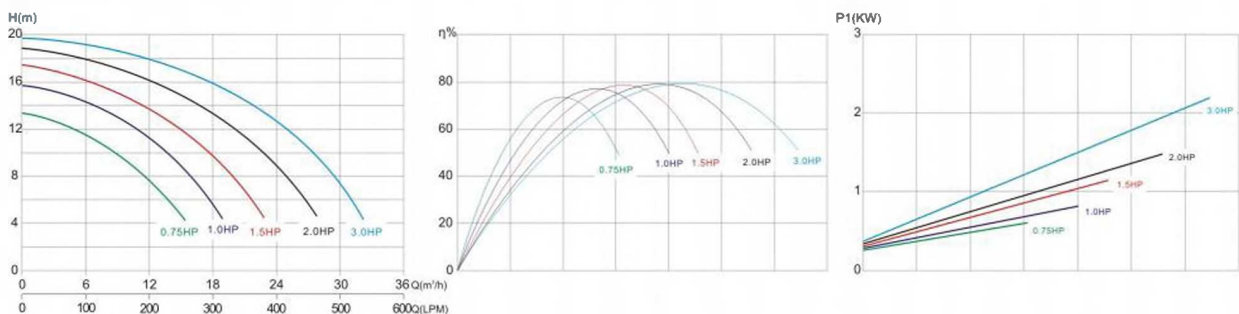
- The inlet or outlet of the pump with an external thread, which can connect with metric or imperial pipes.
- The pump has excellent performance and reliable quality, which can bear 25000 times of impact test.
- Low noise: 0.75 HP can lower than 65 dB.
- Liquid Temperature: 5~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 40°C (104°F).
- Maximum working pressure: 2.5 bar.
- IPX5 waterproof standard
- Class I protection against electric shock.
- Thermal protection included.
- Motor: 3000r.p.m.
- Single phase:220V/50Hz
- 220V/60Hz, 380V/50Hz are available on request



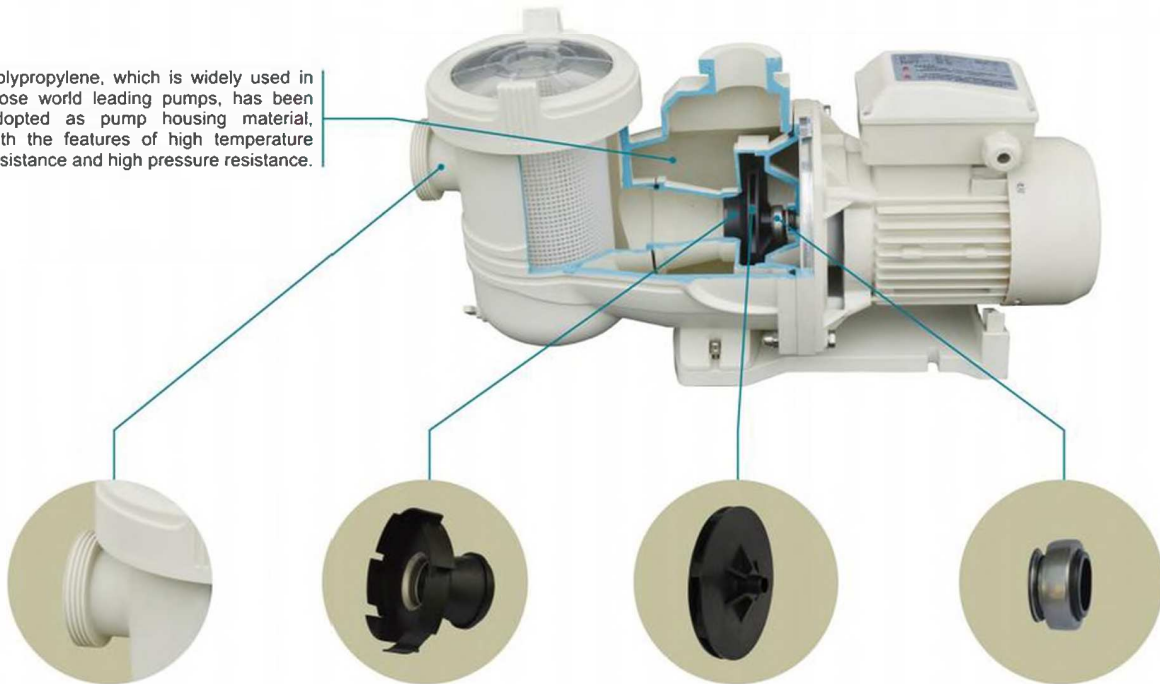
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2.0HP-3.0HP

### QH.Curve of The Pump



Polypropylene, which is widely used in those world leading pumps, has been adopted as pump housing material, with the features of high temperature resistance and high pressure resistance.

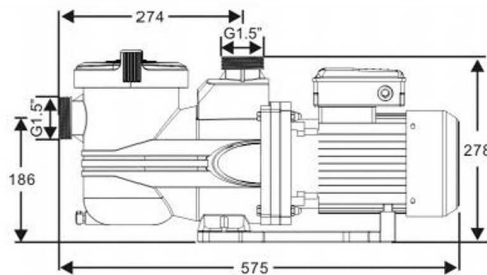
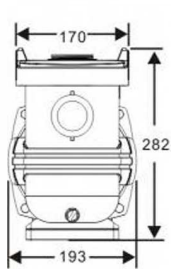


The inlet or outlet of the pump with an external thread, which can connect with metric or imperial pipes.

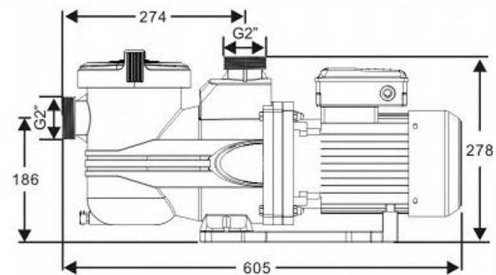
The pump diffuser in cone shape and cambered surface ensures the operation of high head and mass flow, and at the same time effectively reduces cavitations as well as flow noises (The 0.75HP pump produces less than 65DB noises).

The impeller uses a locknut and locating pin to increase the stability of its operation.

Mechanical seal adopts ceramic carbon material which is resistant to high temperature and dry grinding. This not only enhances the pump shaft's sealing, but also increases the operational capacity of short-term dry run.



WL-HLLF075/100



WL-HLLF150/200/300

Model	Q-max (m <sup>3</sup> /h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size
WL-HLLF075M	15.5	13	0.75	0.6	1	220	1.5" 50mm
WL-HLLF100M	19	16	1.0	0.75	1	220	1.5" 50mm
WL-HLLF150M	23	17	1.5	1.1	1	220	1.5" 50mm
WL-HLLF200M	28	18.5	2.0	1.5	1	220	2" 63mm
WL-HLLF300M	33	19.5	3.0	2.2	1	220	2" 63mm
WL-HLLF100T	19	16	1.0	0.75	3	380	1.5" 50mm
WL-HLLF150T	23	17	1.5	1.1	3	380	1.5" 50mm
WL-HLLF200T	28	18.5	2.0	1.5	3	380	2" 63mm
WL-HLLF300T	33	19.5	3.0	2.2	3	380	2" 63mm

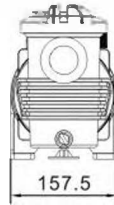
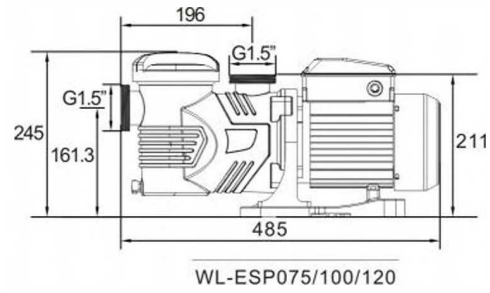
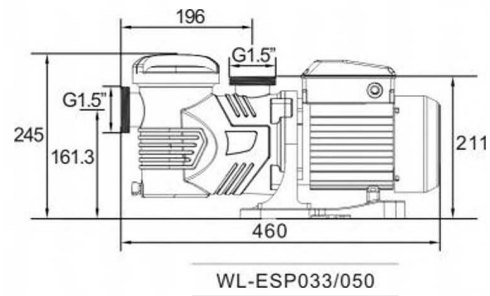
# ESP SERIES PUMP

LASWIM ESP series pump is a circulation pump for pools with high reliability and performance, which makes the pump more recognized in the market. Mechanical seal adopts ceramic carbon material, which is resistant to high temperature and dry grinding. With 25,000 strict life-span tests and powerful impact tests, this pump is highly recommended for its great performance and reliable quality.

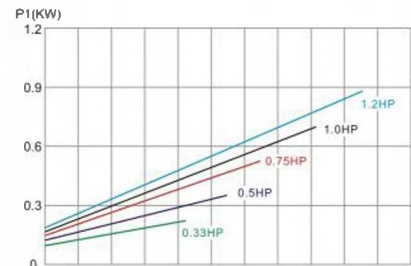
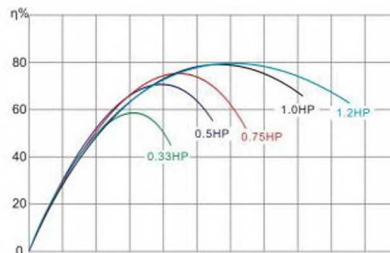
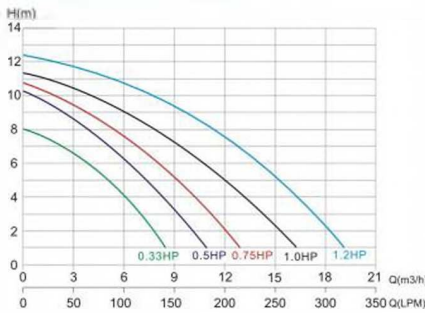


**Features:**

- The inlet or outlet of the pump with an external thread, which can connect with metric or imperial pipes.
- Low noise: It can lower than 67 dB.
- Thermal protection included
- Liquid Temperature: 5~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 40°C (104°F).
- IPX5 Waterproof standard.
- The pump can bear 25000 times of impact test, excellent performance and reliable quality.
- Single phase:220V/50Hz  
220V/60Hz is available on request



**Qh.curve of the Pump :**



Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size
WL-ESP033M	9	8	0.33	0.26	1	220	1.5" 50mm
WL-ESP050M	11	10.5	0.5	0.37	1	220	1.5" 50mm
WL-ESP075M	13	11	0.75	0.55	1	220	1.5" 50mm
WL-ESP100M	16.5	11.5	1.0	0.75	1	220	1.5" 50mm
WL-ESP120M	19	12.5	1.2	0.9	1	220	1.5" 50mm

## KP SERIES PUMP



WL-KP256~WL-KP856



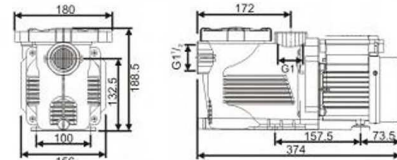
WL-KP1106~WL-KP2206



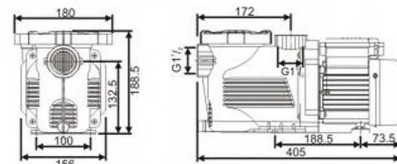
WL-KP series are used for water circulation in all kinds of small domestic swimming pools. Slightly dirty water with solids in suspension can be perfectly filtered.

**Features:**

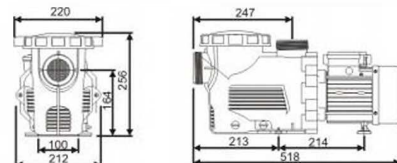
- Liquid Temperature: 5~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 40 °C ( 104 °F).
- Maximum working pressure: 3.0 bar.
- IPX5 waterproof standard.
- Insulation Class: F.
- Thermal protection included.
- Single phase: 220V/50Hz.
- 220V/60Hz, 110V/60Hz; 380V/50Hz(P≥450W) are available on request.
- Max.Suction:3M(P≥600W)



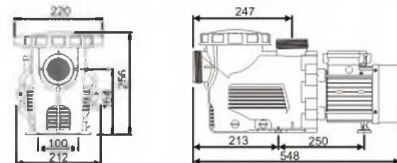
WL-KP256~WL-KP456



WL-KP556~WL-KP856

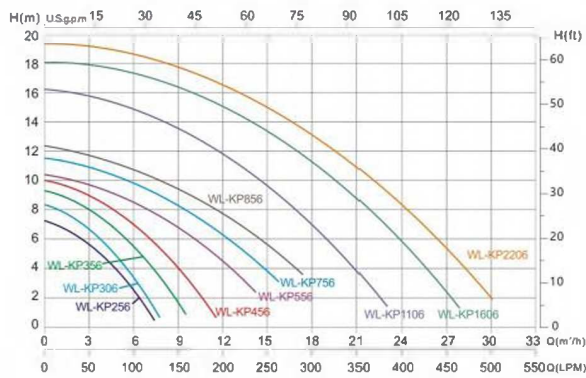


WL-KP1106



WL-KP1606~WL-KP2206

**QH.Curve of The Pump**

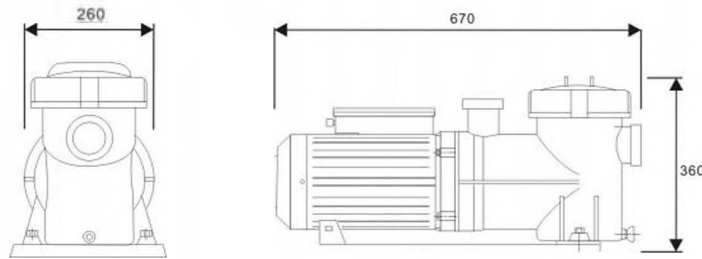


Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power(KW)	Phase	Voltage (V)	Connection Size
WL-KP256	7.5	7	0.33	0.25	1	220	1.5" or 50mm
WL-KP306	7.5	8.5	0.4	0.3	1	220	1.5" or 50mm
WL-KP356	9.6	9.5	0.5	0.35	1	220	1.5" or 50mm
WL-KP456	11.1	10	0.6	0.45	1	220	1.5" or 50mm
WL-KP556	14.1	12	0.75	0.55	1	220	1.5" or 50mm
WL-KP756	15.6	12.5	1.0	0.75	1	220	1.5" or 50mm
WL-KP856	16.5	12.5	1.2	0.85	1	220	1.5" or 50mm
WL-KP1106	22.5	16	1.5	1.10	1	220	48.5mm & 50mm or 60.3mm & 63mm
WL-KP1606	27.9	18	2.0	1.60	1	220	48.5mm & 50mm or 60.3mm & 63mm
WL-KP2206	30.9	19.5	3.0	2.20	1	220	48.5mm & 50mm or 60.3mm & 63mm

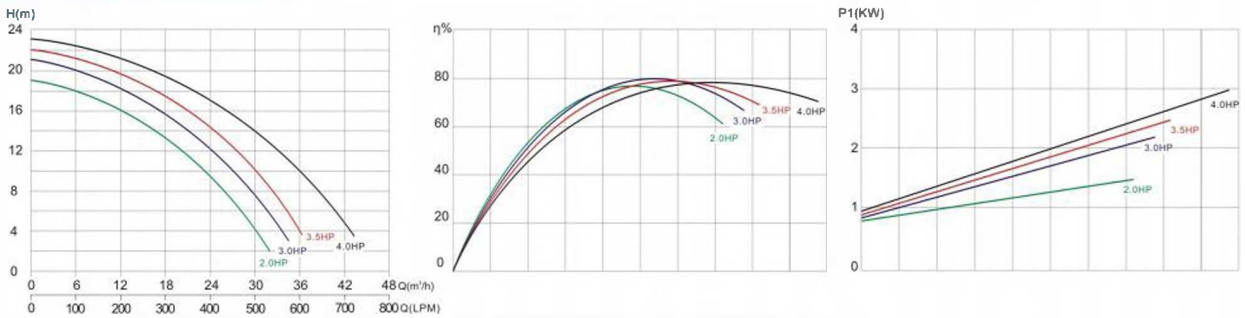
# HEP SERIES PUMP

## Features:

- Anti-rust crust can stop water penetrating the engine. Enough power, high head, big flux and high efficient circulation.
- Lower noise and run quietly. The pump cover bears high airtight preventing the leaking.
- The main part of the pump is made of special plastic which is durable in extreme low or high temperature.
- Single phase:220/50Hz  
Three-phase:380V/50Hz



## QH.Curve of The Pump



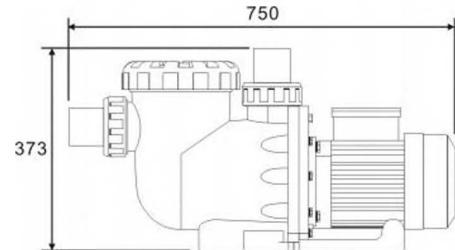
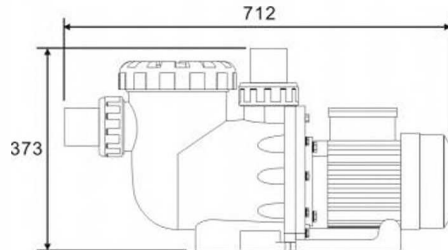
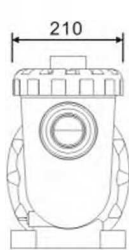
Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size
WL-HEP020M	29	15.1	2.0	1.5	1	220	2" 63mm
WL-HEP030M	31	19	3.0	2.2	1	220	2" 63mm
WL-HEP020T	29	15.1	2.0	1.5	3	380	2" 63mm
WL-HEP030T	31	19	3.0	2.2	3	380	2" 63mm
WL-HEP035T	32	19.4	3.5	2.6	3	380	2" 63mm
WL-HEP040T	35	19.7	4.0	3.0	3	380	2" 63mm

# CEP SERIES PUMP



### Features:

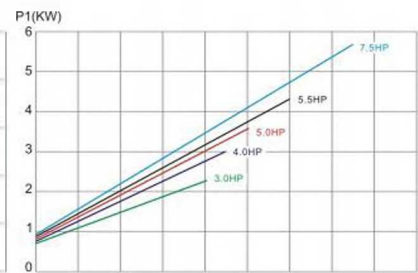
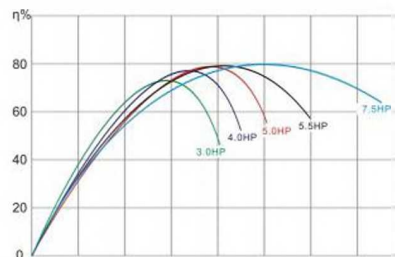
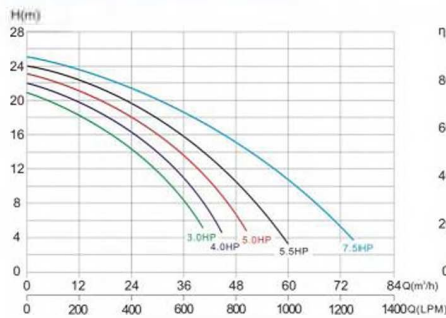
- Anit-rust crust can keep water from the engine.
- Enough power, high head, big flux and high efficient circulation.
- Lower noise and run quietly.
- The pump cover bears high airtight preventing the leaking.
- The main part of the pump is made of special plastic which is durable in extreme low or high temperature.
- Three-phase:380V/50Hz  
380V/60Hz model is available on request.



WL-CEP030T~WL-CEP040T

WL-CEP050T~WL-CEP075T

### QH.Curve of The Pump



Model	Q-max (m <sup>3</sup> /h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Inlet Port	Outlet Port
WL-CEP030T	35.2	17.5	3.0	2.5	3	380	2" 63mm	2" 63mm
WL-CEP040T	39.6	18.3	4.0	3.0	3	380	2" or 75mm	2" 63mm
WL-CEP050T	56	20.4	5.0	3.8	3	380	2" or 75mm	2" 63mm
WL-CEP055T	62	21.9	5.5	4.0	3	380	75mm	75mm
WL-CEP075T	66	22.5	7.5	5.5	3	380	75mm	75mm

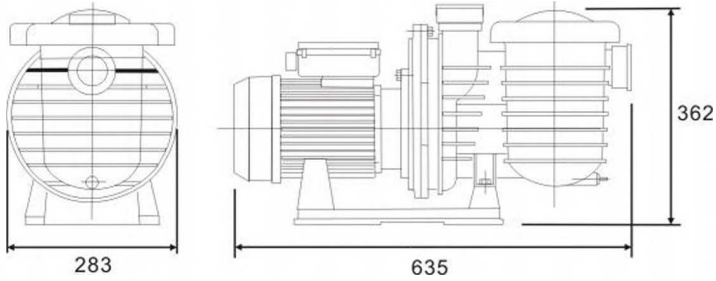


# SCPB SERIES PUMP



### Features:

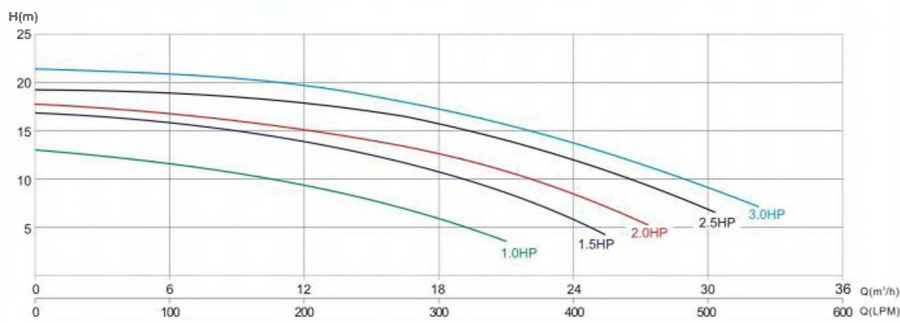
- This pump is designed for jetted bath tubs, spa pools, swimming pools, massage stations, cleaning system.
- High performance and super pressure.
- The diameter of the inlet and outlet is 2 inches, which is good for lowering noise and highering performance.
- Capacitor running type for energy-saving, the best choice for low noise.
- Thermal overload protector inside ensures the motor safety and prolongs the motor service life.



### Motor:

- 2-pole induction motor.
- Single-phase: 220-240V/50Hz.
- Single-phase with thermal protector from T.I.
- Capacitor inset.
- Insulation class F.
- Protection IPX5, aircool motor are moisture.
- Proof and low temperature.
- Continuous duty.

QH.Curve of The Pump



Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size
WL-SCPB100E	21.6	11	1.0	0.75	1	220	2" or 63mm
WL-SCPB150E	25.2	15	1.5	1.1	1	220	2" or 63mm
WL-SCPB200E	27.9	17	2.0	1.5	1	220	2" or 63mm
WL-SCPB250E	30.3	20	2.5	1.87	1	220	2" or 63mm
WL-SCPB300E	33	22	3.0	2.25	1	220	2" or 63mm
WL-SCPB300E	33	22	3.0	2.25	3	380	2" or 63mm

## STP SERIES PUMP

### Features:

- Motor and water are completely separated.
- Total electrical separation.
- Pump housing, pump cover & impeller are made of high reinforced plastic.
- Quick record could be used with the inlet & outlet.

### Operation conditions:

- Liquid Temperature: 5 ~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 50°C (122°F).
- Maximum working pressure: 3.0 bar.

### Applications:

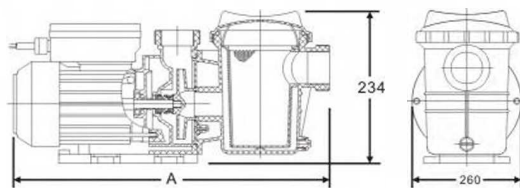
Jet pump for jetted bath tubs, spa pools, swimming pools, massage stations and cleaning system.



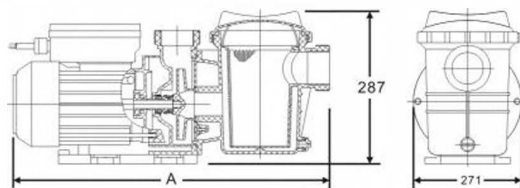
0.35HP-1.2HP



1.5HP-3.0HP

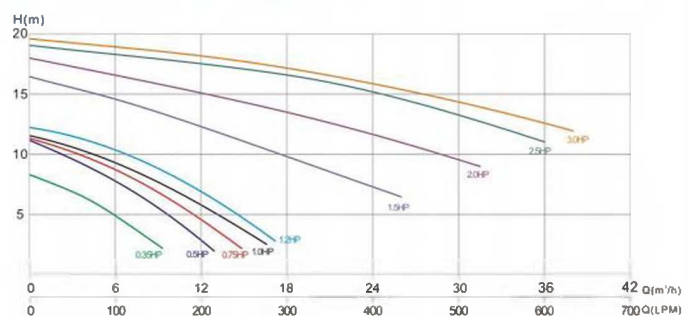


WL-STP35~WL-STP120



WL-STP150~WL-STP300

### QH.Curve of The Pump



Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)
WL-STP35	9.6	8	0.35	0.26	1	220	1.5" or 50mm	443
WL-STP50	12.6	11	0.5	0.37	1	220	1.5" or 50mm	443
WL-STP75	14.4	10.5	0.75	0.56	1	220	1.5" or 50mm	465
WL-STP100	16.5	11	1.0	0.75	1	220	1.5" or 50mm	465
WL-STP120	18	13	1.2	0.9	1	220	1.5" or 50mm	465
WL-STP150	25.8	16.5	1.5	1.1	1	220	2" or 63mm	573
WL-STP200	31.2	18	2.0	1.5	1	220	2" or 63mm	573
WL-STP250	36	19	2.5	1.87	1	220	2" or 63mm	573
WL-STP300	38.1	19.5	3.0	2.25	1	220	2" or 63mm	598
WL-STP300	38.1	19.5	3.0	2.25	3	380	2" or 63mm	598

# SWP SERIES PUMP

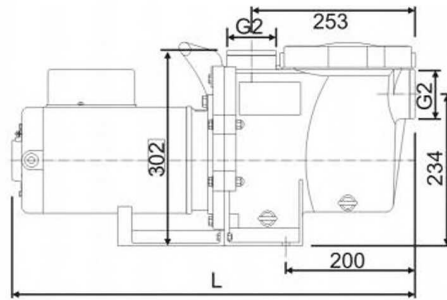
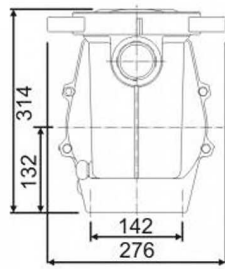
SWP series pumps are designed with high flow and high lift, the heavy duty and high performance motor ensures quiet operation.



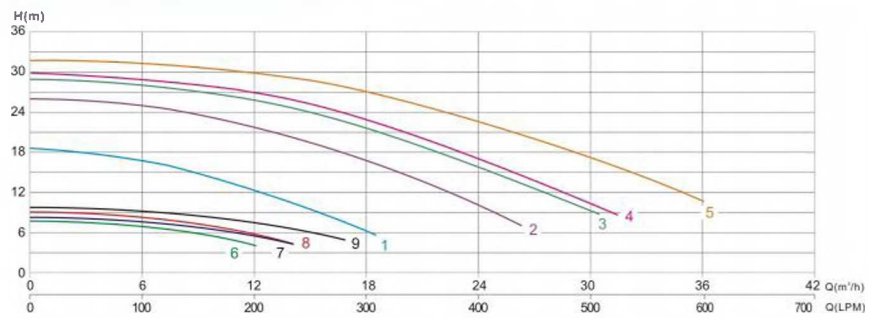
CE

### Features:

- Inlet and outlet be reinforced by a stainless steel ring.
- Integral structure handle, convenient installation.
- Thermal protector: TI.USA
- Insulation: F
- Protection: IP55
- Max suction: 3m
- Liquid Temperature: 5 ~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 50°C (122°F).



### Product performance curve



Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	(Amps)	Connection size	Curves	L Length (mm)
WL-SWP100-I	21	17	1.0	0.75	1	220-240/60	4	60.3mm or 63mm	1	624
WL-SWP200-I	28.8	25	2.0	1.5	1	220-240/60	8	60.3mm or 63mm	2	624
WL-SWP300-I	33	28	3.0	2.2	1	220-240/60	10	60.3mm or 63mm	3	624
WL-SWP400-I	34.2	29	4.0	3.0	1	220-240/60	12	60.3mm or 63mm	4	624
WL-SWP500-I	39	31	5.0	3.75	1	220-240/60	15	60.3mm or 63mm	5	644
WL-SWP200-II	28.8	25	0.5/2.0	0.37/1.5	1	220-240/60	3/8	60.3mm or 63mm	2/6	624
WL-SWP300-II	33	28	0.75/3.0	0.55/2.2	1	220-240/60	3.5/10	60.3mm or 63mm	3/7	624
WL-SWP400-II	34.2	29	0.75/4.0	0.55/3	1	220-240/60	4.4/12	60.3mm or 63mm	4/8	624
WL-SWP500-II	39	31	1.0/5.0	0.75/3.75	1	220-240/60	5.0/15	60.3mm or 63mm	5/9	644

## SWPB SERIES PUMP

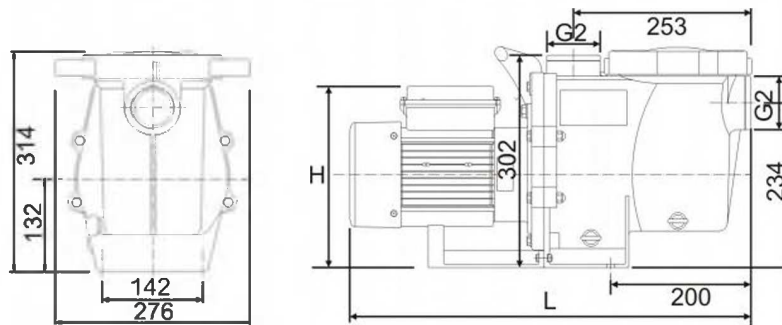
SWPB series pumps are designed for the market who likes to use American pump with high flow and high lift. The overall size is reference to the market habit.

### Features:

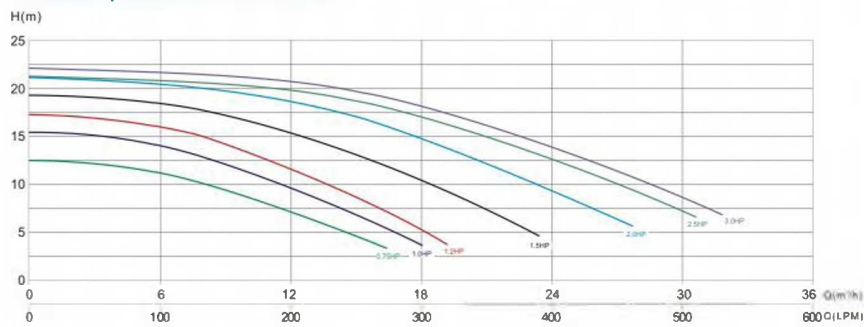
- Inlet and outlet be reinforced by a stainless steel ring.
- Integral structure handle, convenient installation.
- Thermal protector: single phase.
- Insulation: F.
- Protection: IP55.
- Max suction: 3m.
- Liquid Temperature: 5 ~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 50°C (122°F).
- Single phase: 220V/50Hz.
- 220V/60Hz, 380V/50Hz are available on request.



CE



### Product performance curve



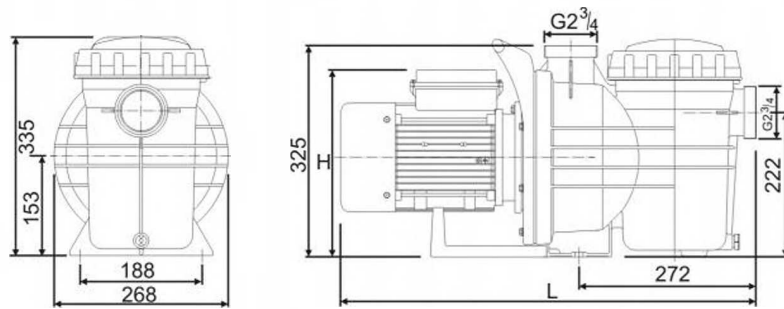
Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	(Amps)	Connection size	L Length (mm)	H Height (mm)
WL-SWPB075	17.1	12	0.75	0.55	1	220	3.2	60.3mm or 63mm	572	243
WL-SWPB100	18.9	15	1.0	0.75	1	220	3.8	60.3mm or 63mm	572	243
WL-SWPB120	20.1	17	1.2	0.9	1	220	4.6	60.3mm or 63mm	572	243
WL-SWPB150	24	19	1.5	1.1	1	220	5.4	60.3mm or 63mm	572	243
WL-SWPB200	28.8	21	2.0	1.5	1	220	7.0	60.3mm or 63mm	572	243
WL-SWPB250	31.8	21	2.5	1.85	1	220	8.6	60.3mm or 63mm	572	248
WL-SWPB300	33	22	3.0	2.2	1	220	10	60.3mm or 63mm	585	258

# SWIM S2 SERIES PUMP

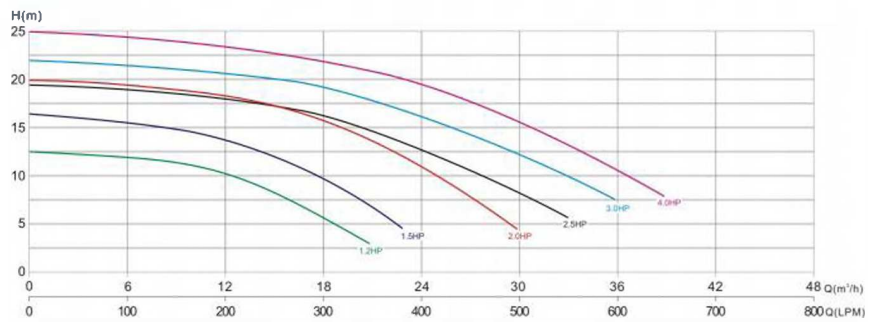


### Features:

- Integral structure handle, convenient installation.
- Thermal protector: TI.USA
- Insulation: F
- Protection: IP55
- Max Suction: 2.5M
- Liquid Temperature: 5 ~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 50°C (122°F).
- Single phase: 220V/50Hz
- 220V/60Hz, 380V/50Hz are available on request



### Product performance curve



Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	(Amps)	Connection size	L Length (mm)	H Height (mm)
WL-SWIM S2-120	21	12	1.2	0.9	1	220	4.6	60.3mm or 63mm	603	264
WL-SWIM S2-150	21	14	1.5	1.1	1	220	5.2	60.3mm or 63mm	603	264
WL-SWIM S2-200	27	17	2.0	1.5	1	220	7.0	60.3mm or 63mm	603	267
WL-SWIM S2-250	30	19	2.5	1.85	1	220	8.6	60.3mm or 63mm	603	278
WL-SWIM S2-300	33	20	3.0	2.2	1	220	10	60.3mm or 63mm	616	285
WL-SWIM S2-400	39	22	4.0	3.0	1	220	14	60.3mm or 63mm	640	288

# SWIM SERIES PUMP

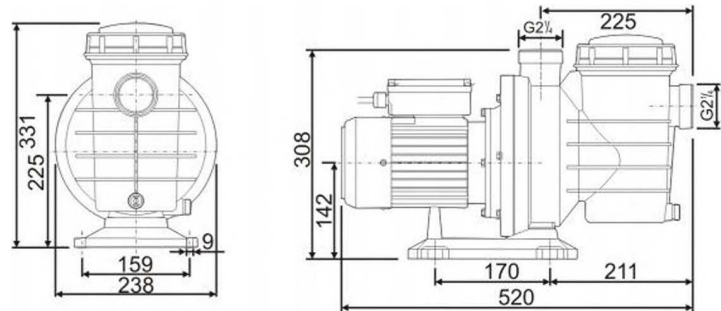
## Features:

- Thermal protector: single phase
- Insulation: F
- Protection: IP55
- Max suction: 2.5m
- Liquid Temperature: 5 ~ 50 °C ( 41 ~ 122 °F).
- Ambient Temperature: up to 50°C (122°F).
- Single phase: 220V/50Hz
- 220V/60Hz, 380V/50Hz are available on request

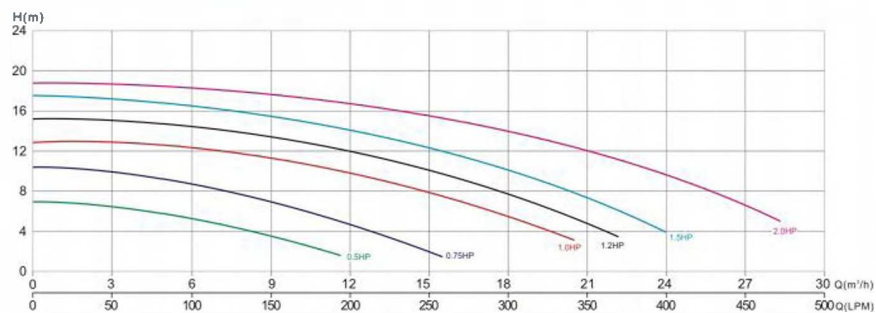


SUS316 material hardware that be suitable for clean water and sea water.

Air switch/pneumatic switch is options.



## Product performance curve



Model	Q-max (m³/h)	H-max (m)	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	(Amps)	Connection size
WL-SWIM025	11.7	7	0.50	0.37	1	220	1.9	48.5mm or 50mm
WL-SWIM035	15.3	10	0.75	0.55	1	220	2.7	48.5mm or 50mm
WL-SWIM050	20.4	12.5	1.0	0.75	1	220	3.8	48.5mm or 50mm
WL-SWIM075	22.2	15	1.2	0.9	1	220	4.6	48.5mm or 50mm
WL-SWIM100	23.4	17.5	1.5	1.1	1	220	5.8	48.5mm or 50mm
WL-SWIM150	28.2	18.5	2.0	1.5	1	220	7.0	48.5mm or 50mm

# HCP SERIES PUMP



### Features:

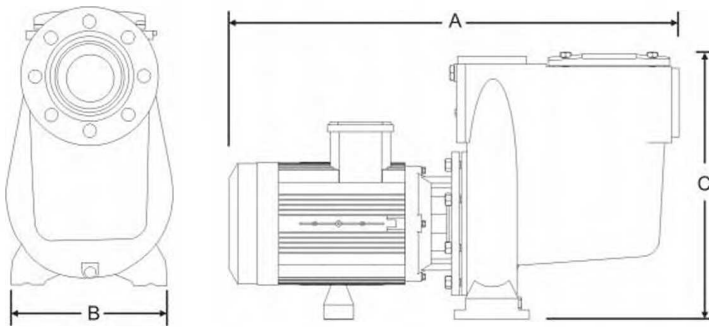
- Maximum working pressure: 6 bar
- Liquid temperature: up to 60 °C (140 °F).
- Ambient Temperature: up to 40 °C (104 °F).
- Maximum suction lift: 5 Meters

### Materials:

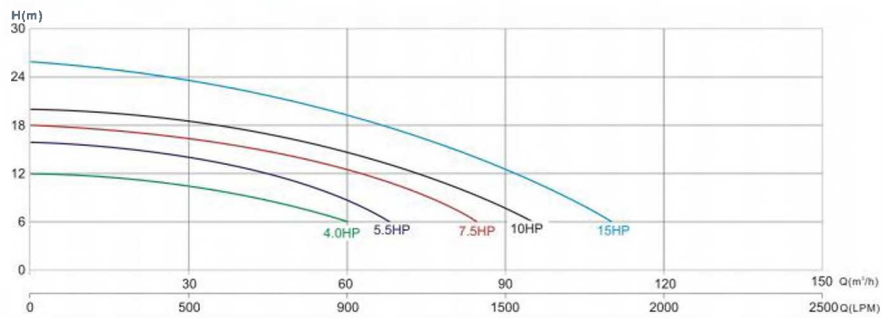
- Pump housing: Cast Iron
- Pre-filter basket: Stainless steel AISI304
- Shaft: Stainless steel AISI304
- Impeller: Stainless steel AISI304

### Motor:

- Motor Speed: 2900 r.p.m
- Waterproof: IP55
- Insulation class: F



### QH.Curve of The Pump



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Connection size	A Length (mm)	B Width (mm)	C Height (mm)
WL-HCP040	4.0	3	3	380	90MM	715	332	472
WL-HCP055	5.5	4	3	380	90MM	715	332	472
WL-HCP075	7.5	5.5	3	380	90MM	750	332	472
WL-HCP100	10.0	7.5	3	380	90MM	860	332	472
WL-HCP150	15.0	11.0	3	380	90MM	860	332	472

Note: The flange is optional as per your requirement.

## FCP SERIES PUMP

### Features:

- Anti-rust crust can stop water penetrating the engine.
- Enough power, high head, big flux and high efficient circulation.
- Smaller noise and run quietly.
- The pump cover bears high airtight preventing the leaking.
- Convenient to handle, easy to maintain, with the supplying of spareparts.

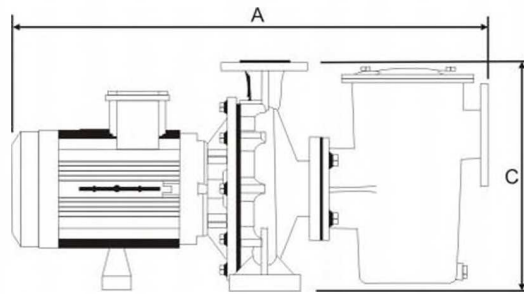
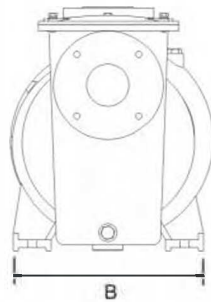


### Materials:

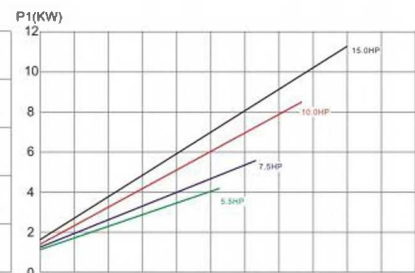
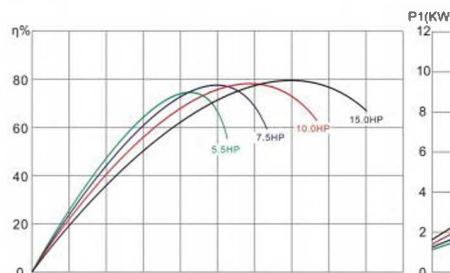
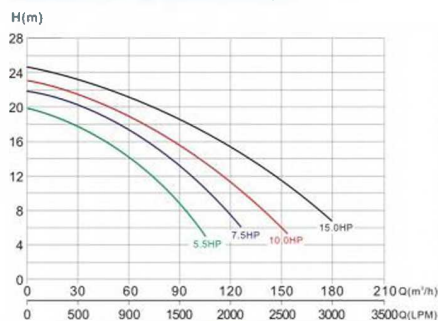
- Pump housing: Cast iron
- Pre-filter basket: Stainless steel AISI304
- Shaft: Stainless steel AISI304
- Impeller: Stainless steel AISI304

### Motor:

- Motor speed: 1450rpm
- Waterproof: IP55
- Insulation class: F



### QH.Curve of The Pump



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Inlet Port Dia. (mm)	Inlet Flange Dia. (mm)	Outlet Flange Dia.(mm)	Outlet Port Dia. (mm)	A Length (mm)	B Length (mm)	C Length (mm)
WL-FCP055	5.5	4.0	3	380	Φ80	4-Φ12 Φ90	4-Φ18 Φ75	Φ65	820	350	410
WL-FCP075	7.5	5.5	3	380	Φ80	4-Φ18 Φ90	4-Φ18 Φ75	Φ65	850	370	420
WL-FCP100	10.0	7.5	3	380	Φ100	4-Φ18 Φ110	4-Φ18 Φ90	Φ80	950	370	420
WL-FCP150	15.0	11.0	3	380	Φ100	4-Φ18 Φ110	4-Φ18 Φ90	Φ80	950	370	420



# CSP SERIES PUMP



### Features:

CSP series pumps are suitable for circulation and filtration of all kinds of large and medium-sized swimming pools, spas, water parks, garden pools and others.

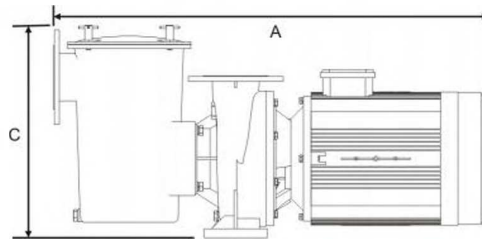
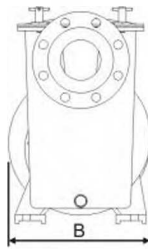
- The pump is made of stainless steel, which is superior in quality.
- It is not affected by water vapor and corrosive materials and has long service life.
- The inlet and outlet of the pump use flange connections for easy installation.

### Motor:

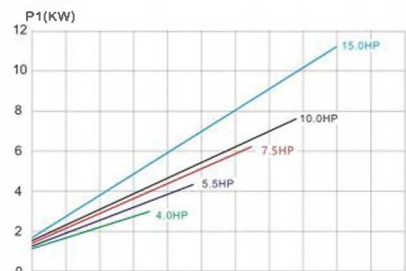
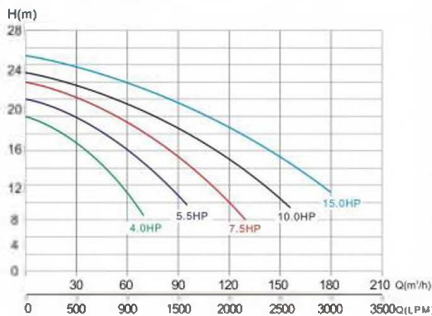
- Asynchronous bipolar motor
- Enclosed type with exterior ventilation.
- Speed of revolution: 2800 rpm
- Waterproof: IP55

### Materials:

- Pump housing: Stainless steel AISI304
- Pre-filter basket: Stainless steel AISI304
- Shaft: Stainless steel AISI316
- Impeller: Stainless steel AISI304
- Mechanical seal: Graphite/Ceramic seal



### QH.Curve of The Pump



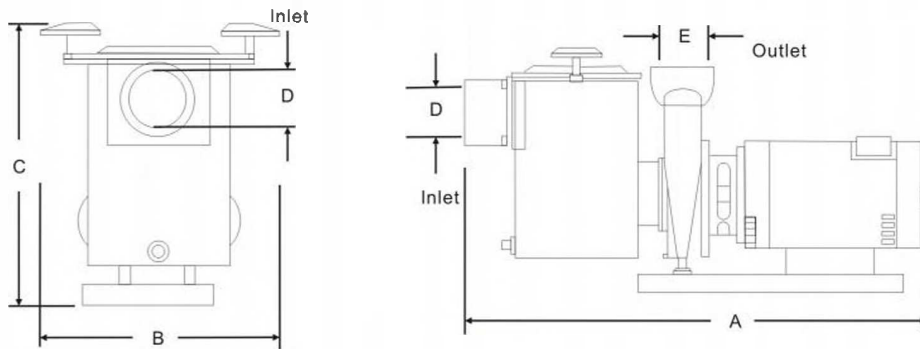
Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Inlet Port Dia. (mm)	Inlet Flange Dia. (mm)	Outlet Flange Dia. (mm)	Outlet Port Dia. (mm)	A Length (mm)	B Length (mm)	C Length (mm)
WL-CSP040	4	3.0	3	380	Φ90	8-Φ18 Φ90	8-Φ18 Φ90	Φ90	730	280	420
WL-CSP055	5.5	4.0	3	380	Φ90	8-Φ18 Φ90	8-Φ18 Φ90	Φ90	730	280	420
WL-CSP075	7.5	5.5	3	380	Φ90	8-Φ18 Φ90	8-Φ18 Φ90	Φ90	730	280	420
WL-CSP100	10	7.5	3	380	Φ90	8-Φ18 Φ90	8-Φ18 Φ90	Φ90	800	280	440
WL-CSP150	15	11	3	380	Φ90	8-Φ18 Φ90	8-Φ18 Φ90	Φ90	800	280	420

## ATB SERIES PUMP

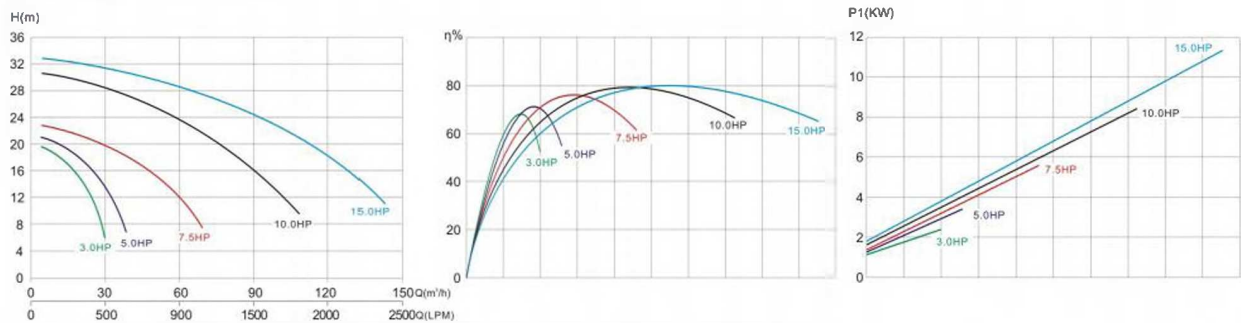
Brass pumps are designed for maximum performance and economy in swimming filtration system. Besides they are extremely quiet in operation.

### Features:

- Durable brass construction.
- High performance motors for maximum flow.
- Self-priming to insure proper filtration.
- Stainless steel mechanical seal.
- Closed impeller for longer motor bearing life.
- Heat-resistant seal.



### QH.Curve of The Pump



Model	Horsepower (HP)	Rated Power (KW)	Phase	Voltage (V)	Inlet/Outlet	A Length (mm)	B Width (mm)	C Height (mm)
WL-ATB030	3.0	2.25	3	380	2"/2"	660	200	200
WL-ATB050	5.0	3.8	3	380	3"/2.5"	720	230	400
WL-ATB075	7.5	5.5	3	380	3"/2.5"	720	266	400
WL-ATB100	10.0	7.5	3	380	4"/3"	1060	340	570
WL-ATB150	15.0	11.0	3	380	4"/4"	1090	340	570

# AIR BLOWER



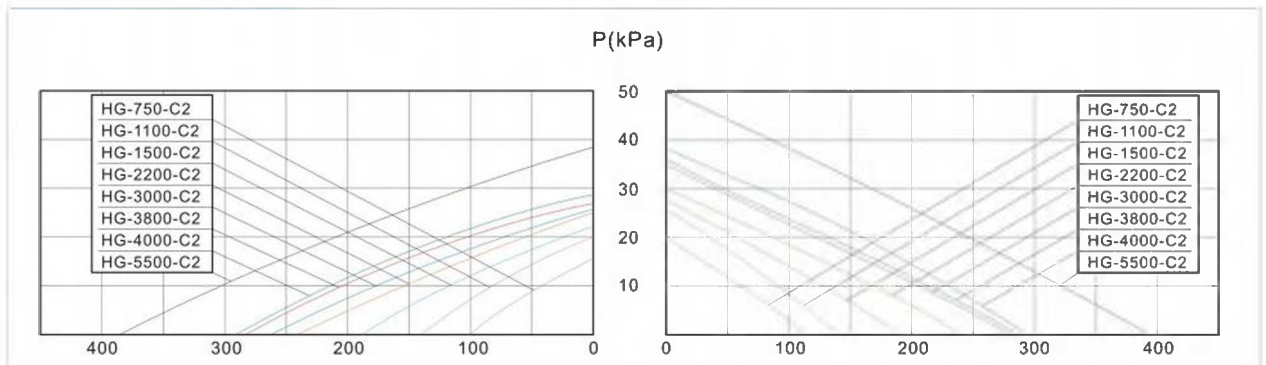
### Features:

- Centrifugal vanes produce high pressure, great outflow, and low noise.
- A high-quality engine ensures a safe and steady effect.
- Oil free and pure compressed air.
- The machine has a wide range of power and can run a long service life.
- 50Hz or 60Hz are available on request.

### Application:

- Swimming Pool/ Spa Pool
- Cooling for Molding
- Ultrasonic Washing and Cleaning Equipment
- Central Vacuum Cleaning System
- Printing Machine
- Sewage Treatment
- Water Treatment
- Agriculture Field
- Fish Farm
- Aquaculture

### QH.Curve of The Pump



Model	Voltage (V)	Power (W)	Max.Pressure (Kpa)	Vacuum (Kpa)	Output (m <sup>3</sup> /h)	Pressure (KPa)	Weight (KGS)	Dimensions L*W*H(mm)
HG-750-C2	220	750	20	-16	110	<12	14	306*288*315
HG-1100-C2	220	1100	26	-20	135	<18	19	329*320*390
HG-1500-C2	380	1500	28	-22	180	<18	25	338*328*357
HG-2200-C2	380	2200	30	-24	240	<20	28	392*362*372
HG-3000-C2	380	3000	35	-25	260	<25	36	425*384*400
HG-3800-C2	380	3800	36	-26	280	<26	38	410*392*404
HG-4000-C2	380	4000	38	-28	280	<28	45	415*392*404
HG-5500-C2	380	5500	50	-35	380	<28	58	486*418*453

# POOL FILTERS



SUPER SERIES  
SAND FILTER

# SUPER SERIES SAND FILTER

## POOL FILTERS

Made of high density polyethylene material and integration of blow molding technology. HDPE filter tank is compatible for many different weather condition. Unique structural design gets the best clarity of filtered water and a better backwash.



SDG-17~SDG-26



SCG-20~SCG-26

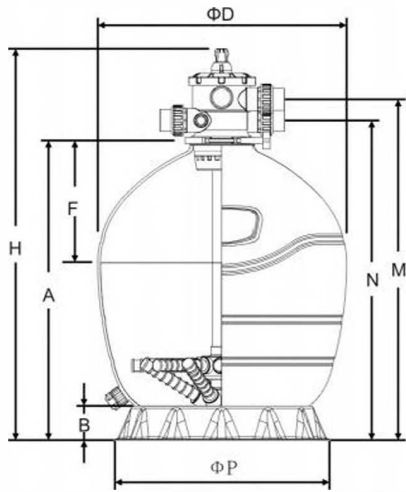
### Advantages:

- More efficient: 30% more of filtration bed improves the filtration quality easily
- Environmental, safe & corrosive-proof material: suitable to all types of swimming pools
- Easy maintenance: no tools is required for maintenance or operation
- Pool in need of better water clarity
- Professional approach of getting better water

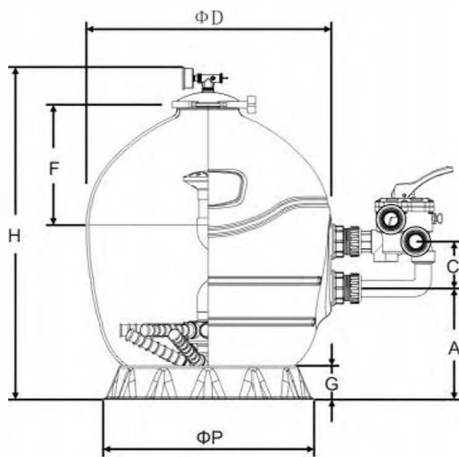
### Features:

- Suitable for pools with different disinfection system such as salt chlorine generator, UV sterilizer, Ozone system and chemical dosing.
- can be used for Pool, Spa and Water features,
- Easy to maintain and replace





	SDG-17	SDG-20	SDG-24	SDG-26
ΦD(mm)	425	500	600	650
H(mm)	767	890	983	1028
B(mm)	75	75	75	90
A(mm)	526	650	743	787
ΦP(mm)	390	390	390	560
N(mm)	579	702	795	839
M(mm)	635	758	850	895
F(mm)	195	236	285	319



	SCG-20	SCG-24	SCG-26
ΦD(mm)	500	600	650
H(mm)	736	830	887
A(mm)	241	310	296
ΦP(mm)	390	390	560
C(mm)	125	125	125
G(mm)	75	75	90
F(mm)	236	285	319

### Product parameters

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m <sup>3</sup> )	Valve Volume (m <sup>3</sup> )	Tank Weight (kg)	Valve Weight (kg)
	inches	mm		m <sup>3</sup> /h	lpm					
SDG-17	1.5	50	0.14	7.0	117	50	0.11	0.02	9.8	3
SDG-20	1.5	50	0.19	9.5	158	90	0.16	0.02	12.3	3
SDG-24	1.5	50	0.27	13.5	225	140	0.26	0.02	15.2	3
SDG-26	1.5	50	0.32	16.0	267	170	0.34	0.02	18	3

Note: The model SDG-17 is with one layer lateral.

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m <sup>3</sup> )	Valve Volume (m <sup>3</sup> )	Tank Weight (kg)	Valve Weight (kg)
	inches	mm		m <sup>3</sup> /h	lpm					
SCG-20	1.5	50	0.19	9.5	158	90	0.16	0.02	13.3	3
SCG-24	1.5	50	0.27	13.5	225	140	0.26	0.02	16.2	3
SCG-26	1.5	50	0.32	16.0	267	170	0.34	0.02	19	3

MAXIMUM WORKING PRESSURE:40psi/2.8kg/cm<sup>2</sup>

MAXIMUM TEMPERATURE≤50 °C

# “P-DG” SERIES FILTERS

## POOL FILTERS

### Features:

- Made of high density polyethylene material, corrosive-proof, safe and environmental.
- Utilized thermal plastic filter tank tough, durable and suitable for many different weather condition.
- Easy-to-use multiport valve lets you select any of the valve/filter operation with a simple lever-action.
- Clamp lock is designed to allow 360 degree rotation to simplify installation.
- Compact and save space.
- These sand filters are applicable in all types of pool, spa, fountain, waterscape and aquarium.

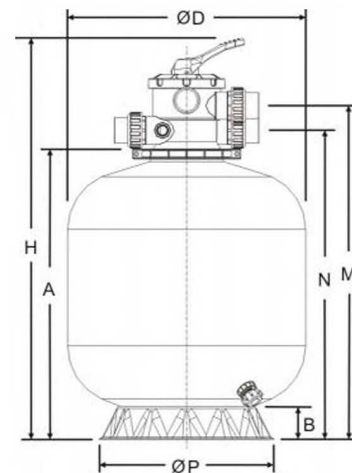


### Main parts:

- Easy-to-use six-position valve makes the selection of the valve/filter simple.
  - \* FILTER (Normal filtration and vacuuming).
  - \* BACKWASH (Clean filter by reversing the flow).
  - \* RINSE (Used after backwash to flush dirt from valve).
  - \* WASTE (By-passes filter, used for vacuuming to wasteor wasteor lowering water level).
  - \* RECIRCULATE (By-passes filter for circulation water topool).
  - \* CLOSE.
- Unitized and durable tank.
- Special drainage design, to easy draining of the tank, easy to maintain and ice-free in winter.



φD(mm)	350	410	450	535	635	710
H(mm)	750	770	830	870	970	1040
B(mm)	75	75	75	75	95	95
A(mm)	490	510	570	610	710	780
φP(mm)	319	319	390	390	565	565
N(mm)	545	565	625	665	765	835
M(mm)	600	620	680	720	820	890



Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m <sup>3</sup> )	Valve Volume (m <sup>3</sup> )	Tank Weight (kg)	Valve Weight (kg)
	inches	mm		m <sup>3</sup> /h	lpm					
P-DG350	1.5	50	0.10	4.50	75	25	0.06	0.02	4.0	3
P-DG400	1.5	50	0.13	6.50	108	34	0.09	0.02	5.0	3
P-DG450	1.5	50	0.16	8.00	133	50	0.15	0.02	6.5	3
P-DG500	1.5	50	0.23	11.50	192	80	0.20	0.02	9.2	3
P-DG650	1.5	50	0.32	16.00	267	160	0.32	0.02	12.1	3
P-DG700	1.5	50	0.40	20.00	333	220	0.42	0.02	17.0	3

MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup>(PLASTIC CLAMP)

MAXIMUM WORKING WATER TEMPERATURE ≤50°C

## “P-CG” SERIES FILTERS POOL FILTERS



Standard: plastic clamp



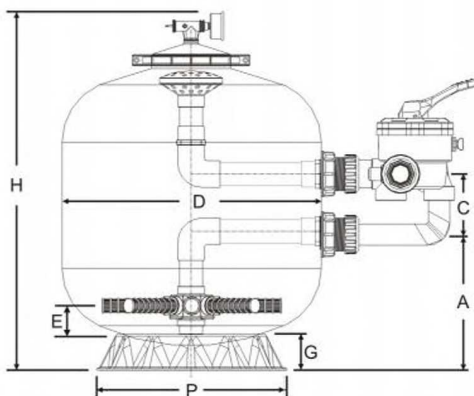
Optional: stainless steel clamp

### Features:

- Made of high density polyethylene material, corrosive-proof, safe and environmental.
- Unitized thermal plastic filter tank, tough, durable and suitable for many different weather condition.
- East-to-use multiport valve lets you select any of the valve/filter operation with a simple lever-action.
- Compact and save space.
- Top diffuser ensures even distribution of water over the top of the sand bed.
- These sand filters are applicable in all types of pool, spa, fountain waterscape and aquarium.

### Main parts:

- Easy-to-use six-position valve makes the selection of the valve/filter simple.
  - \* FILTER (Normal filtration and vacuuming).
  - \* BACKWASH (Clean filter by reversing the flow).
  - \* RINSE (Used after backwash to flush dirt from valve).
  - \* WASTE (By-passes filter, used for vacuuming to waste or lowering water level).
  - \* RECIRCULATE (By-passes filter for circulation water to pool).
  - \* CLOSE.
- Unitized and durable tank.
- Special drainage design, to easy draining of the tank, easy to maintain and ice-free in winter.
- Pressure gauge makes it easier to examine and maintain.
- Air relief bolt enables easy release of trapped air during operation of the filter.



φ D(mm)	450	535	635	710
H(mm)	670	710	810	880
A(mm)	260	290	310	360
φ P(mm)	390	390	565	565
C(mm)	125	125	125	125
G(mm)	75	75	95	90
E(mm)	90	90	90	95

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m <sup>3</sup> )	Valve Volume (m <sup>3</sup> )	Tank Weight (kg)	Valve Weight (kg)
	inches	mm		m <sup>3</sup> /h	lpm					
P-CG450	1.5	50	0.16	8.00	133	50	0.15	0.02	7.0	3
P-CG500	1.5	50	0.23	11.50	192	80	0.20	0.02	10.2	3
P-CG650	1.5	50	0.32	16.00	267	160	0.32	0.02	13.1	3
P-CG700	1.5	50	0.40	20.00	333	220	0.42	0.02	18.0	3

MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup>(PLASTIC CLAMP)

MAXIMUM OPERATING WATER TEMPERATURE ≤50°C



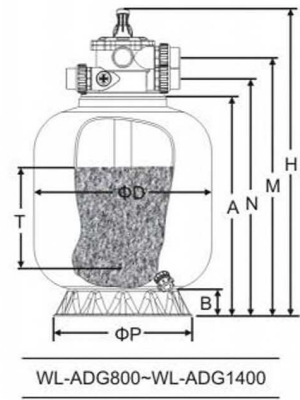
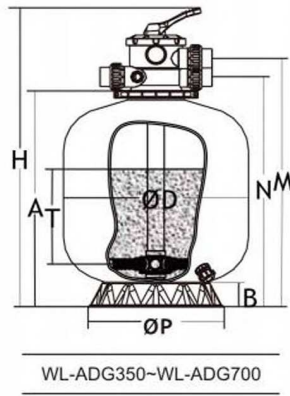
# “WL-ADG” SERIES FILTERS

## POOL FILTERS

Top mount sand vertical filters are built to be tougher, longer lasting and better performing. Constructed of polyester resin and non-corrosive extra-thick fiberglass filament winding, all internal components and connections are injection molded PVC. UV-resistance surface allows working under sunshine.

Easy-to-use six-position valve makes you select any of the valve/filter operation in a proper way.

- FILTER (Normal filtration and vacuuming).
- BACKWASH (Clean filter by reversing the flow).
- RINSE (Used after backwash to flush dirt from valve).
- WASTE (By-passes filter, used for vacuuming to waste or lowering water level).
- RECIRCULATE (By-passes filter for circulating water to pool).
- CLOSE .



ΦD(mm)	350	410	450	535	635	710	750	800	900	1000	1100	1200	1400
H(mm)	750	770	830	870	970	1040	1120	1130	1270	1340	1460	1540	1750
A(mm)	490	510	570	610	710	780	820	830	970	1040	1160	1240	1450
B(mm)	75	75	75	75	95	95	95	150	150	150	180	180	180
M(mm)	600	620	680	720	820	890	962	973	1112	1182	1302	1392	1592
N(mm)	545	565	625	665	765	835	882	892	1032	1102	1222	1312	1512
ΦP(mm)	319	319	390	390	565	565	565	790	790	790	1010	1010	1010
T(mm)	150	160	220	260	370	450	490	490	500	520	570	650	850

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m <sup>3</sup> )	Valve Volume (m <sup>3</sup> )	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm					
WL-ADG350	1.5	50	0.10	4.5	75	25	0.06	0.02	350	750
WL-ADG400	1.5	50	0.13	6.5	108	34	0.09	0.02	410	770
WL-ADG450	1.5	50	0.16	8.0	133	50	0.15	0.02	450	830
WL-ADG500	1.5	50	0.23	11.5	192	80	0.20	0.02	535	870
WL-ADG650	1.5	50	0.32	16.0	267	160	0.32	0.02	635	970
WL-ADG700	1.5	50	0.40	20.0	333	220	0.42	0.02	710	1040
WL-ADG750	2.0	63	0.44	22.0	367	230	0.44	0.03	750	1120
WL-ADG800	2.0	63	0.50	25.0	417	260	0.68	0.03	800	1130
WL-ADG900	2.0	63	0.64	30.0	533	400	0.95	0.03	900	1270
WL-ADG1000	2.0	63	0.79	35.0	645	600	1.29	0.03	1000	1340
WL-ADG1100	2.0	63	0.95	44.0	716	800	1.40	0.03	1100	1460
WL-ADG1200	2.0	63	1.13	50.0	850	920	2.26	0.03	1200	1540
WL-ADG1400	2.0	63	1.53	68.0	1133	1400	3.50	0.03	1400	1750

STANDARD: MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup> MAXIMUM OPERATING WATER TEMPERATURE≤50°C MAXIMUM TESTING PRESSURE:58psi/4.0kg/cm<sup>2</sup>  
 OPTIONAL: MAXIMUM WORKING PRESSURE: 58psi/4.0kg/cm<sup>2</sup> (WL-ADG800-1400) MAXIMUM OPERATING WATER TEMPERATURE≤50°C MAXIMUM TESTING PRESSURE:86psi/6.0kg/cm<sup>2</sup>

## “WL-BCG” SERIES FILTERS POOL FILTERS

Side mount sand filters are built to be tougher, longer lasting and better performing. Constructed of polyester resin and non-corrosive fiberglass filament winding, all internal components and connections are injection molded PVC. They produce more filtered water with less pump horsepower. UV-resistance surface allows working under sunshine. Easy-to-use six-position valve makes you select any of the valve/filter operation in a proper way.



Standard: plastic clamp



Optional: stainless steel clamp  
maximum working pressure:50psi



WL-BCG450~WL-BCG700



WL-BCG800~WL-BCG1200



WL-BCG1400

ΦD(mm)	450	535	635	710	750	800	900	1000	1100	1200	1400
H(mm)	670	710	810	880	980	1010	1100	1160	1260	1340	1570
A(mm)	260	290	310	360	385	385	430	540	540	540	700
B(mm)	75	75	95	90	120	150	150	150	180	180	180
C(mm)	125	125	125	125	220	220	220	220	220	220	220
M(mm)	440	460	490	540	680	680	725	835	835	835	---
ΦP(mm)	390	390	565	565	565	790	790	790	1010	1010	1010
T(mm)	250	280	300	350	400	420	480	510	560	600	630

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m <sup>3</sup> )	Valve Volume (m <sup>3</sup> )	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm					
WL-BCG450	1.5	50	0.16	8.0	133	50	0.15	0.02	450	670
WL-BCG500	1.5	50	0.23	11.5	192	80	0.20	0.02	535	710
WL-BCG650	1.5	50	0.32	16.0	267	160	0.32	0.02	635	810
WL-BCG700	1.5	50	0.40	20.0	333	220	0.42	0.02	710	880
WL-BCG750	2.0	63	0.44	22.0	367	230	0.44	0.02	750	980
WL-BCG800	2.0	63	0.50	25.0	417	260	0.68	0.02	800	1010
WL-BCG900	2.0	63	0.64	30.0	533	400	0.92	0.02	900	1100
WL-BCG1000	2.0	63	0.79	35.0	645	600	1.48	0.02	1000	1160
WL-BCG1100	2.0	63	0.95	44.0	716	800	1.98	0.02	1100	1260
WL-BCG1200	2.0	63	1.13	50.0	850	920	2.42	0.02	1200	1340
WL-BCG1400	2.0	63	1.53	68.0	1133	1400	3.26	0.02	1400	1570

STANDARD: MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup> MAXIMUM OPERATING WATER TEMPERATURE: ≤50°C MAXIMUM TESTING PRESSURE: 58psi/4.0kg/cm<sup>2</sup>  
 OPTIONAL: MAXIMUM WORKING PRESSURE: 58psi/4.0kg/cm<sup>2</sup> (WL-BCG800-1400) MAXIMUM OPERATING WATER TEMPERATURE: ≤50°C MAXIMUM TESTING PRESSURE: 86psi/6.0kg/cm<sup>2</sup>

# LAMINATED SAND FILTERS

## POOL FILTERS

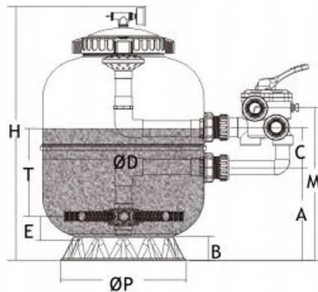
- Made of fibreglass reinforce laminated polyester.
- Smooth and high brightness appearance.
- 6 way multiport valve.
- Sight glass for inspection of filtered water.
- Easy maintenance, easy cleaning.
- Maximum Working Pressure:36psi/2.5kg/cm2.
- Maximum temperature:50°C.



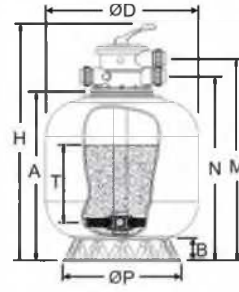
WL-ICG450~WL-ICG900



WL-IDG400~WL-IDG900



WL-ICG450~WL-ICG900



WL-IDG400~WL-IDG900

Model	WL-ICG450	WL-ICG500	WL-ICG650	WL-ICG700	WL-ICG800	WL-ICG900
ΦD(mm)	450	500	635	700	800	900
H(mm)	660	745	805	885	1000	1115
A(mm)	260	280	310	360	385	430
B(mm)	75	75	95	95	150	150
C(mm)	125	125	125	125	220	220
M(mm)	444	464	494	534	680	725
ΦP(mm)	390	390	565	565	790	790
T(mm)	250	280	300	350	420	480

Model	WL-IDG400	WL-IDG450	WL-IDG500	WL-IDG650	WL-IDG700	WL-IDG800	WL-IDG900
ΦD(mm)	400	450	500	635	700	800	900
H(mm)	750	815	870	875	980	1145	1270
A(mm)	500	565	610	625	725	845	970
B(mm)	73	75	75	95	95	150	150
M(mm)	609	674	719	734	835	988	1113
N(mm)	550	615	660	676	776	908	1032
ΦP(mm)	390	390	390	565	565	790	790
T(mm)	160	220	260	300	400	500	550

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		Sand Weight (kg)	Filter Diameter (mm)	Filter Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm			
WL-ICG450	1.5	50	0.16	8.0	133	45	450	660
WL-ICG500	1.5	50	0.20	10.0	166	80	500	745
WL-ICG650	1.5	50	0.32	15.0	250	130	635	805
WL-ICG700	1.5	50	0.38	19.0	317	190	700	885
WL-ICG750	2.0	63	0.44	22.0	367	230	750	1000
WL-ICG800	2.0	63	0.50	25.0	417	260	800	1000
WL-ICG900	2.0	63	0.64	32.0	533	400	900	1115

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		Sand Weight (kg)	Filter Diameter (mm)	Filter Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm			
WL-IDG400	1.5	50	0.13	6.0	100	30	400	750
WL-IDG450	1.5	50	0.16	8.0	133	45	450	815
WL-IDG500	1.5	50	0.20	10.0	166	80	500	860
WL-IDG650	1.5	50	0.32	15.0	250	130	635	875
WL-IDG700	1.5	50	0.38	19.0	317	190	700	1000
WL-IDG800	2.0	63	0.50	25.0	417	300	800	1145
WL-IDG900	2.0	63	0.64	32.0	533	450	900	1270

STANDARD: MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup> MAXIMUM OPERATING WATER TEMPERATURE≤50°C MAXIMUM TESTING PRESSURE:58psi/4.0kg/cm<sup>2</sup>  
 OPTIONAL: MAXIMUM WORKING PRESSURE: 58psi/4.0kg/cm<sup>2</sup> MAXIMUM OPERATING WATER TEMPERATURE≤50°C MAXIMUM TESTING PRESSURE:86psi/6.0kg/cm<sup>2</sup>

## CARTRIDGE FILTER POOL FILTERS



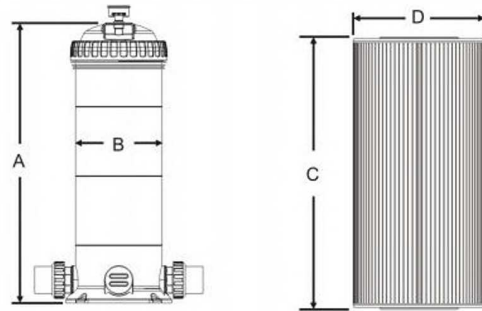
### Features:

- Compact and light weight.
- UV resistant tank.
- Heavy duty ring-lock lid allows easy cleaning and replacement of the cartridge element.
- Screw type air bleeder for easy removal of trapped air inside the filter tank.
- High quality oil filled pressure gauge for easy inspection of the operation pressure.
- Application to swimming pool & spa.

- ◆ Maximum Working Pressure:250kpa/36psi/2.5bar
- ◆ Maximum Temperature:40°C (104F)



Cartridge Element



Model	WL-ZXG25	WL-ZXG50	WL-ZXG75	WL-ZXG100	WL-ZXG150	WL-ZXG200
A(mm)	368.3	548.3	728.3	908.3	1088.3	1268.3
B(mm)	225	225	225	225	225	225

Model	WL-ZXG25	WL-ZXG50	WL-ZXG75	WL-ZXG100	WL-ZXG150	WL-ZXG200
C(mm)	184.5	364.5	544.5	724.5	904.5	1091.0
D(mm)	183	183	183	183	183	183

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		Micron (μm)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm			
WL-ZXG25	1.5	50	2.25	5.50	92	≤20	225	368.3
WL-ZXG50	1.5	50	4.63	11.40	190	≤20	225	548.3
WL-ZXG75	1.5	50	7.00	17.00	283	≤20	225	728.3
WL-ZXG100	1.5	50	9.40	22.90	382	≤20	225	908.3
WL-ZXG150	2.0	63	13.72	33.40	556	≤20	225	1088.3
WL-ZXG200	2.0	63	16.82	40.90	681	≤20	225	1268.3

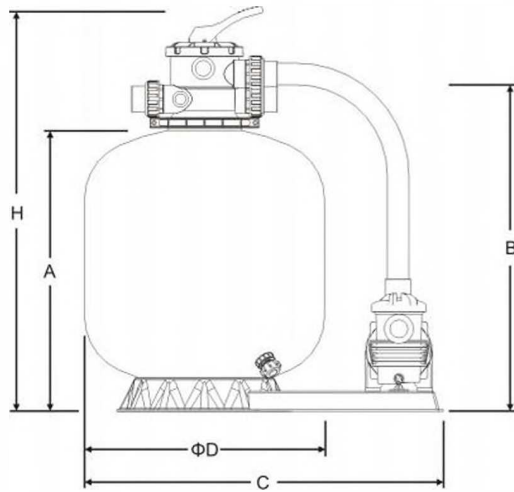
MAXIMUM WORKING PRESSURE:36psi/2.5bar/cm<sup>2</sup>. MAXIMUM TEMPERATURE ≤40°C

# "P-DYG" SERIES FILTERS

## POOL FILTERS

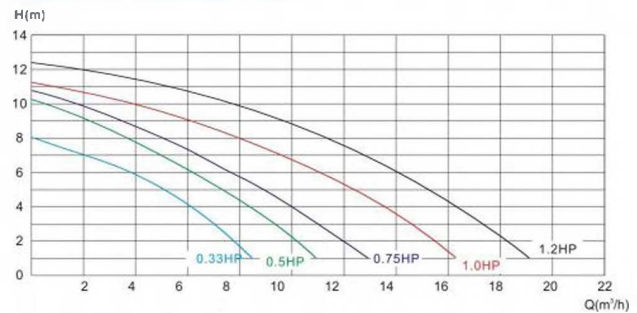
### Features:

- Easy to install.
- LAWIM filtration system is equipped with the most optimal combination of our filter and pump.
- Injection-molded mounting base makes filtration system work more stable.
- Unitized thermal plastic filter tank, tough, durable and suitable for many different weather condition.
- Circulation pump with good performance, corrosion-proof and quiet.



ΦD(mm)	350	410	450	535	635
H(mm)	750	770	830	870	970
A(mm)	495	515	575	615	715
B(mm)	545	565	625	665	765
C(mm)	570	570	770	770	770

QH.Curve of The Pump



Model	Pipe Size		Filter Area (m²)	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m³)	Tank Weight (kg)	Valve Weight (kg)	Matching Pump (HP)
	Inches	mm		m³/h	lpm					
P-DYG350	1.5	50	0.10	4.50	75	25	0.06	4.0	3	KP256/0.33HP
P-DYG400	1.5	50	0.13	6.50	108	34	0.09	5.0	3	KP256/0.33HP
P-DYG450	1.5	50	0.16	8.00	133	50	0.15	6.5	3	KP356/0.5HP
P-DYG500	1.5	50	0.23	11.50	192	80	0.20	9.2	3	KP756/1.0HP
P-DYG650	1.5	50	0.32	16.00	267	160	0.32	12.1	3	KP856/1.2HP

MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm²(PLASTIC CLAMP)

MAXIMUM OPERATING WATER TEMPERATURE ≤50°C

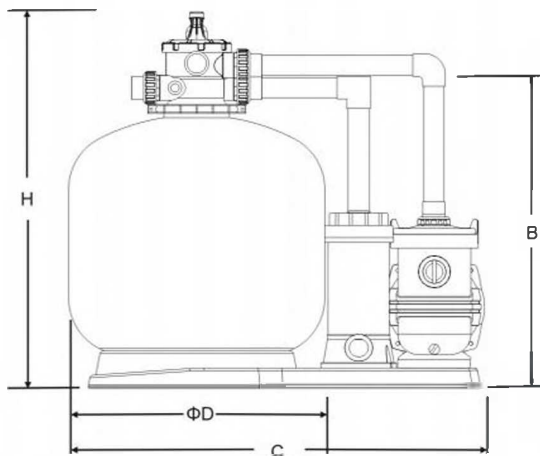
## “WL-P-DYG” SERIES FILTERS POOL FILTERS



The integrated circulation, filtration and sterilization unit is assembled with LASWIM plastic sand filter, circulation pump and chemical feeder. The unit is a multifunctional system assembled with precision, simple to operate, easy to install. It's the optimal choice for filtering movable and inflated pools.

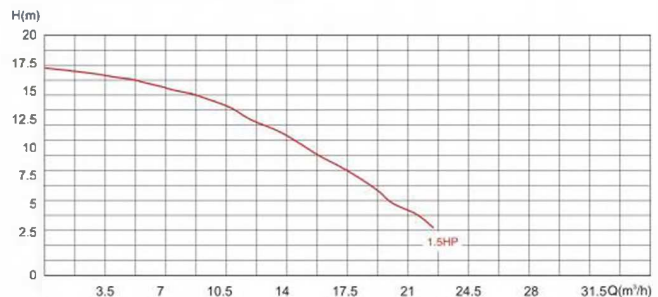
### Features:

- Compact design for easy carriage and quick to install. Contains all the functions of circulation, filtration and sterilization, ready to use.
- The base uses singular forming which makes the base strong and durable. The operation of the unit is stable and reliable.
- The circulation pump has superior performance and extremely quiet during operation.
- The filter uses UV proof food-level PE material to produce that is safe, eco-friendly and anti-corrosive.
- The pill dispenser uses hard tube connection, it is easy to use.
- The whole unit is accurately assembled, it is easy to install and maintain, it is suitable for moving pools and private pools.



ΦD(mm)	635
H(mm)	970
A(mm)	715
B(mm)	765
C(mm)	1020

### QH.Curve of The Pump



Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m <sup>3</sup> )	Tank Weight (kg)	Valve Weight (kg)	Matching Pump (HP)	Chemical feeder
	inches	mm		m <sup>3</sup> /h	lpm						
WL-P-DYG650YH	1.5	50	0.32	16	267	160	0.32	13	3	HLLF-150	CL-200

MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup>(PLASTIC CLAMP)

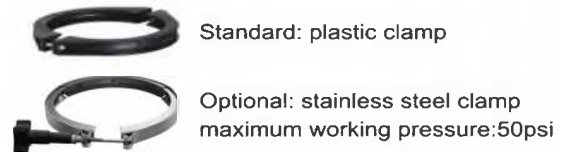
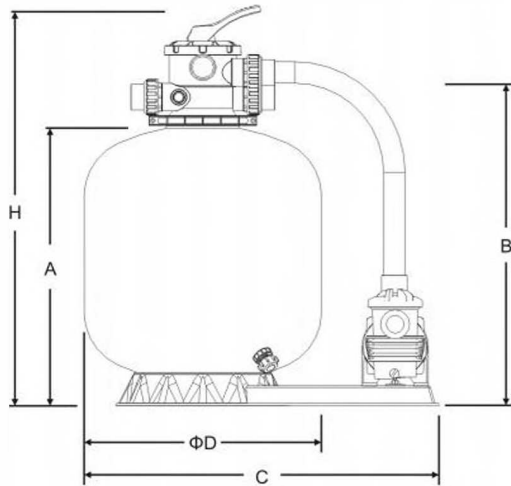
MAXIMUM OPERATING WATER TEMPERATURE ≤50°C

# “WL-GB” SERIES FILTERS

## POOL FILTERS

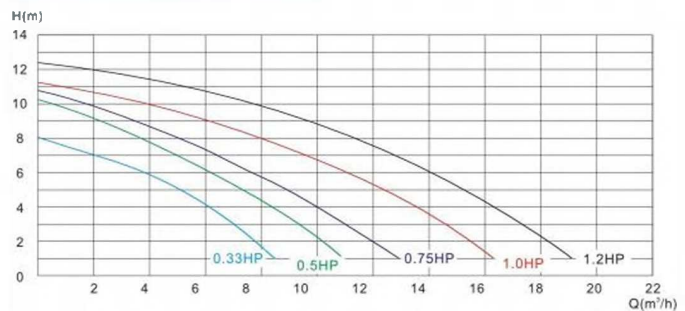
### Features:

- Easy to install.
- LASWIM filtration system is equipped with the most optimal combination of our filter and pump.
- Injection-molded mounting base makes filtration system work more stable.
- Utilized thermal plastic Inner Tank with Fiberglass Twining Around outside, Much more strong, durable and suitable for many different weather condition.
- Circulation pump with good performance, corrosion-proof and quiet.



ΦD(mm)	350	410	450	535	635
H(mm)	750	770	830	870	970
A(mm)	495	515	575	615	715
B(mm)	545	565	625	665	765
C(mm)	570	570	770	770	770

QH. Curve of The Pump



Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.5-0.8mm Sand Weight (kg)	Tank Volume (m <sup>3</sup> )	Tank Weight (kg)	Valve Weight (kg)	Matching Pump (HP)
	inches	mm		m <sup>3</sup> /h	lpm					
WL-GB350	1.5	50	0.10	4.50	75	25	0.06	4.5	3	KP256/0.33HP
WL-GB400	1.5	50	0.13	6.50	108	34	0.09	5.5	3	KP256/0.33HP
WL-GB450	1.5	50	0.16	8.00	133	50	0.15	7.0	3	KP356/0.5HP
WL-GB500	1.5	50	0.23	11.50	192	80	0.20	9.8	3	KP756/1.0HP
WL-GB650	1.5	50	0.32	16.00	267	160	0.32	13.0	3	KP856/1.2HP

STANDARD: MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup>    MAXIMUM OPERATING WATER TEMPERATURE≤50°C    MAXIMUM TESTING PRESSURE:58psi/4.0kg/cm<sup>2</sup>

# DEPTH SAND FILTERS

## POOL FILTERS



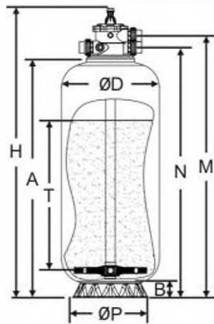
WL-DDG13400-WL-DDG15700



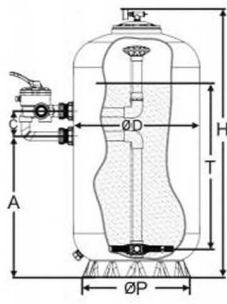
WL-BDG10400-WL-BDG13700

High quality and high performance are aesthetically designed for water treatment.

High density fiberglass sand filters are constructed by the latest engineering technology. The improvement of flow ability provides an ultra-pure water filtration. The fiberglass winding design allows the filter to have extra strength and resistance to chemical and corrosives. They're the most recommendable equipment for the application of water water treatment.



WL-DDG13400-WL-DDG15900



WL-BDG10400-WL-BDG13700

WL-DDG13400-WL-DDG15700

ΦD (mm)	400	450	530	630	700	400	450	530	630	700
H (mm)	1300	1300	1300	1300	1300	1500	1500	1500	1500	1500
A (mm)	1062	1062	1062	1062	1062	1262	1262	1262	1262	1262
B (mm)	75	75	75	95	95	75	75	75	95	95
M (mm)	1174	1174	1174	1174	1174	1374	1374	1374	1374	1374
N (mm)	1115	1115	1115	1115	1115	1315	1315	1315	1315	1315
ΦP (mm)	390	390	390	565	565	390	390	390	565	565
T (mm)	650	650	650	630	630	850	850	850	830	830

WL-BDG10400-WL-BDG13700

ΦD (mm)	400	450	530	630	700	400	450	530	630	700
H (mm)	1160	1160	1160	1160	1160	1360	1360	1360	1360	1360
A (mm)	660	660	660	660	660	860	860	860	860	860
C (mm)	125	125	125	125	125	125	125	125	125	125
ΦP (mm)	390	390	390	565	565	390	390	390	565	565
T (mm)	650	650	650	650	650	850	850	850	850	850

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm			
WL-DDG13400	1.5	50	0.13	4.5	75	120	400	1300
WL-DDG13450	1.5	50	0.16	5.6	93	150	450	1300
WL-DDG13500	1.5	50	0.20	7.0	117	185	530	1300
WL-DDG13600	1.5	50	0.32	11.2	187	245	630	1300
WL-DDG13700	1.5	50	0.37	13.0	217	345	700	1300
WL-DDG15400	1.5	50	0.13	3.9	65	150	400	1500
WL-DDG15450	1.5	50	0.16	4.8	80	195	450	1500
WL-DDG15500	1.5	50	0.20	6.0	100	240	530	1500
WL-DDG15600	1.5	50	0.32	9.6	160	325	630	1500
WL-DDG15700	1.5	50	0.37	11.0	183	400	700	1500
WL-DDG15800	2.0	63	0.50	15.0	250	500	800	1500
WL-DDG15900	2.0	63	0.64	19.2	320	590	900	1500

Model	Pipe Size		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm			
WL-BDG10400	1.5	50	0.13	4.5	75	110	400	1160
WL-BDG10450	1.5	50	0.16	5.6	93	140	450	1160
WL-BDG10500	1.5	50	0.20	7.0	117	170	500	1160
WL-BDG10600	1.5	50	0.32	11.2	187	230	630	1160
WL-BDG10700	1.5	50	0.37	13.0	217	325	700	1160
WL-BDG13400	1.5	50	0.13	3.9	65	140	400	1360
WL-BDG13450	1.5	50	0.16	4.8	80	185	450	1360
WL-BDG13500	1.5	50	0.20	6.0	100	225	500	1360
WL-BDG13600	1.5	50	0.32	9.6	160	310	630	1360
WL-BDG13700	1.5	50	0.37	11.0	183	430	700	1360

MAXIMUM WORKING PRESSURE: 58psi/4.0bar/cm<sup>2</sup>, MAXIMUM TEMPERATURE ≤ 50°C, MAXIMUM TESTING PRESSURE: 86psi/6.0bar/cm<sup>2</sup>



# DEPTH SAND FILTER

## POOL FILTERS

It is made of high quality fiberglass which is chemical and sunlight resistance, and can be installed out-of-doors. Side Mount, easily for operating. It also can be feeded and mixed different filtrate medium ( Such as: Zeolite, Sand and Active carbon ) to make the water more clear. It is best choice for residential area and public water.

This filter can be with flange or valve  
 With Manhole, Sight glass, Collector arm.  
 Optional : Nozzle plate



Collector Arms



Nozzle Plate



With Flange



With Valve

Model	Connections		Filter Area (m <sup>2</sup> )	Design Flow		Sand Weight 0.5-0.8mm(kg)	Grave Weight 1-2mm(kg)	Tank Diameter (mm)	Tank Height (mm)
	Inches	mm		m <sup>3</sup> /h	lpm				
WL-ECG15800V	2	63	0.50	20.0	333	455	170	800	1600
WL-ECG15900V	2	63	0.64	25.6	426	585	230	900	1600
WL-ECG151000V	2	63	0.79	31.6	526	720	270	1000	1600
WL-ECG151200V	2	63	1.13	40.0	666	1030	450	1200	1600
WL-ECG151200V-2.5	2.5	75	1.13	45.2	753	1030	450	1200	1600
WL-ECG20800V	2	63	0.50	15.0	250	770	170	800	2100
WL-ECG20900V	2	63	0.64	19.0	317	990	230	900	2100
WL-ECG201000V	2	63	0.79	23.7	395	1220	270	1000	2100
WL-ECG201200V	2	63	1.13	30.0	500	1740	450	1200	2100
WL-ECG201200V-2.5	2.5	75	1.13	33.9	565	1740	450	1200	2100

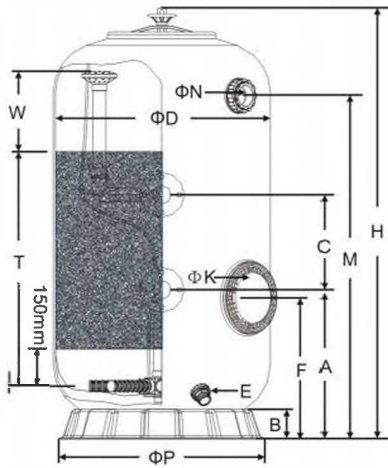
### With Flange

Model	Connections		Filter Area (m <sup>2</sup> )	Design Flow		Sand Weight 0.5-0.8mm(kg)	Grave Weight 1-2mm(kg)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm				
WL-ECG15800F	2	63	0.50	20.0	333	455	170	800	1600
WL-ECG15900F	2	63	0.64	25.6	426	585	230	900	1600
WL-ECG151000F	2	63	0.79	31.6	526	720	270	1000	1600
WL-ECG151200F	3	90	1.13	45.2	753	1030	450	1200	1600
WL-ECG151400F	3	90	1.54	61.6	1026	1030	450	1400	1600
WL-ECG20800F	2	63	0.50	15.0	250	770	170	800	2100
WL-ECG20900F	2	63	0.64	19.0	317	990	230	900	2100
WL-ECG201000F	2	63	0.79	23.7	395	1220	270	1000	2100
WL-ECG201200F	3	90	1.13	33.9	565	1740	450	1200	2100
WL-ECG201400F	3	90	1.54	46.2	770	2100	500	1400	2100

### With Nozzle

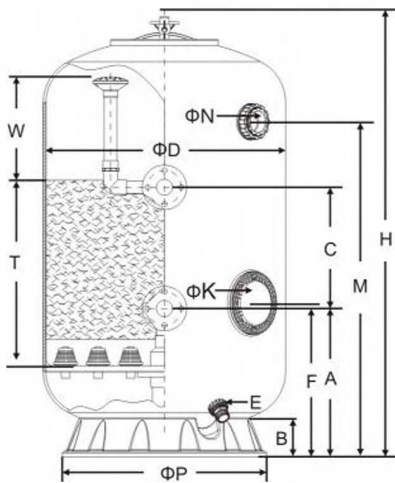
Model	Connections		Filter Area (m <sup>2</sup> )	Design Flow		Sand Weight 0.5-0.8mm(kg)	Grave Weight 1-2mm(kg)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm				
WL-ECG15800	2	63	0.50	20.0	333	455	110	800	1600
WL-ECG15900	2	63	0.64	25.6	426	585	145	900	1600
WL-ECG151000	2	63	0.79	31.6	526	720	175	1000	1600
WL-ECG151200	3	90	1.13	45.2	753	1030	255	1200	1600
WL-ECG151400	3	90	1.54	61.6	1026	1100	320	1400	1600
WL-ECG20800	2	63	0.50	15.0	250	770	110	800	2100
WL-ECG20900	2	63	0.64	19.0	317	990	145	900	2100
WL-ECG201000	2	63	0.79	23.7	395	1220	175	1000	2100
WL-ECG201200	3	90	1.13	33.9	565	1740	255	1200	2100
WL-ECG201400	3	90	1.54	46.2	770	2100	320	1400	2100

STANDARD: MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup> MAXIMUM OPERATING WATER TEMPERATURE: ≤50°C MAXIMUM TESTING PRESSURE: 58psi/4.0kg/cm<sup>2</sup>  
 OPTIONAL: MAXIMUM WORKING PRESSURE: 58psi/4.0kg/cm<sup>2</sup> MAXIMUM OPERATING WATER TEMPERATURE: ≤50°C MAXIMUM TESTING PRESSURE: 86psi/6.0kg/cm<sup>2</sup>



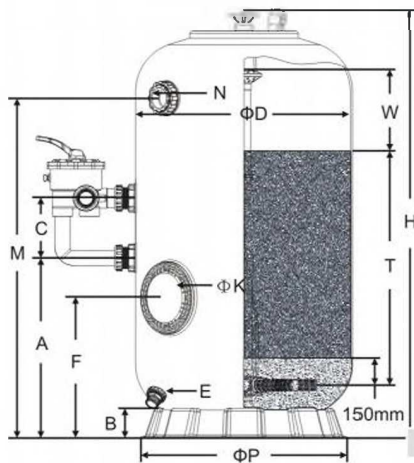
With Lateral

Model	15800	15900	151000	151200	20800	20900	201000	201200
D (mm)	800	900	1000	1200	800	900	1000	1200
H (mm)	1600	1600	1600	1600	2100	2100	2100	2100
A (mm)	550	550	550	650	800	800	800	800
B (mm)	150	150	150	180	150	150	150	180
C (mm)	350	350	350	350	350	350	350	350
E (mm)	40	40	40	40	40	40	40	40
F (mm)	520	520	520	600	520	520	520	600
K (mm)	180	180	180	180	180	180	180	180
M (mm)	1120	1120	1120	1120	1600	1600	1600	1600
N (mm)	80	80	80	80	80	80	80	80
P (mm)	790	790	790	1010	790	790	790	1010
T (mm)	800	800	800	800	1250	1250	1250	1250
W (mm)	350	350	350	350	400	400	400	400



With Nozzle Plate

Model	15800	15900	151000	151200	20800	20900	201000	201200
D (mm)	800	900	1000	1200	800	900	1000	1200
H (mm)	1600	1600	1600	1600	2100	2100	2100	2100
A (mm)	550	550	550	650	800	800	800	800
B (mm)	150	150	150	180	150	150	150	180
C (mm)	350	350	350	350	350	350	350	350
E (mm)	40	40	40	40	40	40	40	40
F (mm)	600	600	600	680	600	600	600	680
M (mm)	1120	1120	1120	1120	1600	1600	1600	1600
K (mm)	180	180	180	180	180	180	180	180
N (mm)	80	80	80	80	80	80	80	80
P (mm)	790	790	790	790	790	790	790	1010
T (mm)	800	800	800	800	1250	1250	1250	1250
W (mm)	160	160	160	160	160	160	160	160



With Valve

Model	15800	15900	151000	151200	20800	20900	201000	201200
D (mm)	800	900	1000	1200	800	900	1000	1200
H (mm)	1600	1600	1600	1600	2100	2100	2100	2100
A (mm)	550	550	550	650	800	800	800	800
B (mm)	120	120	145	165	120	120	145	165
C (mm)	220	220	220	220	220	220	220	220
E (mm)	40	40	40	40	40	40	40	40
F (mm)	520	520	520	600	520	520	520	600
K (mm)	180	180	180	180	180	180	180	180
M (mm)	1120	1120	1120	1120	1600	1600	1600	1600
N (mm)	80	80	80	80	80	80	80	80
P (mm)	790	790	790	980	790	790	790	1010
T (mm)	800	800	800	800	1250	1250	1250	1250
W (mm)	350	350	350	350	400	400	400	400

# COMMERCIAL HI-RATE SAND FILTERS POOL FILTERS

Superior engineering and a company-wide commitment to customer satisfaction have produced a series of vertical filters that are built to be tougher, longer lasting and better performing than any other competing vertical commercial hirate sand filter.

Constructed of polyester resin and non-corrosive fiberglass filament winding, all internal components and connections are injection molded PVC. UV-resistance surface allows working under sunshine.



Cover Lid



Collector Arms



Pressure Control Manometer Panel

Optional: Sight glass, manhole, nozzle plate.



Sight Glass

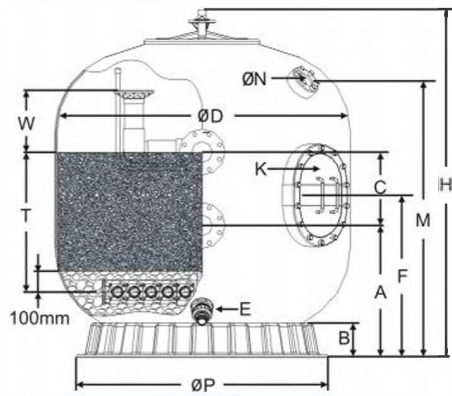


Manhole



Nozzle Plate

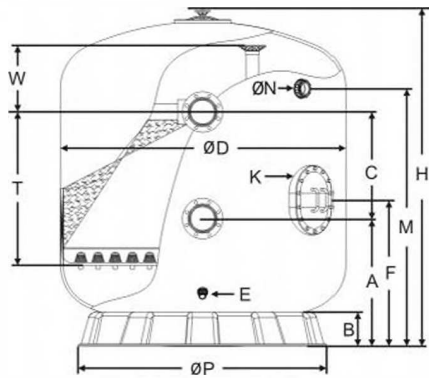




With Lateral

D (mm)	1200	1400	1600	1800	2000	2300	2500
H (mm)	1400	1600	1750	1950	2140	2350	2450
A (mm)	560	650	680	730	800	940	960
B (mm)	165	165	215	215	240	240	240
C (mm)	340	350	450	550	550	600	600
E (mm)	60	60	60	60	60	60	60
F (mm)	740	800	875	910	1050	1070	1100
K (mm)	180x180	400x300	400x300	400x300	400x300	450x300	450x350
M (mm)	1150	1250	1450	1650	1700	1800	1900
N (mm)	80	80	80	80	80	80	80
P (mm)	1010	1215	1450	1610	1800	2010	2010
T (mm)	600	700	800	850	900	1000	1050
W (mm)	300	300	320	320	350	400	400

Model	Flange Connections		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	1-2mm Gravel Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm				
WL-CCG1200	3	90	1.13	45	750	750	300	1200	1400
WL-CCG1400	4	110	1.54	61	1016	1200	500	1400	1600
WL-CCG1600	4	110	2.01	80	1333	1850	750	1600	1750
WL-CCG1800	6	160	2.54	101	1683	2500	1050	1800	1950
WL-CCG2000	6	160	3.14	125	2083	3300	1150	2000	2140
WL-CCG2200	6	160	3.80	152	2532	4150	1470	2200	2350
WL-CCG2300	8	200	4.15	166	2766	4900	1600	2300	2350
WL-CCG2350	8	200	4.35	175	2916	5000	1800	2350	2350
WL-CCG2500	8	200	4.90	196	3265	6000	2200	2500	2450
WL-CCG3000	8	200	7.07	282	4698	8600	3300	3000	2650



With Nozzle Plate

D (mm)	1420	1620	1830	2030	2300	2500
H (mm)	1900	2000	2100	2200	2350	2400
A (mm)	700	810	850	900	940	960
B (mm)	165	215	215	240	240	240
C (mm)	550	550	550	550	600	600
E (mm)	40	40	40	40	40	40
F (mm)	850	900	980	1030	1070	1100
K (mm)	400X300	400X300	400X300	400X300	450X350	450x350
M (mm)	1400	1500	1600	1700	1800	1900
N (mm)	80	80	80	80	80	80
P (mm)	1215	1450	1610	1800	2010	2010
T (mm)	1000	1000	1000	1000	1000	1050
W (mm)	300	320	320	350	400	400

Model	Flange Connections		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	1-2mm Gravel Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm		m <sup>3</sup> /h	lpm				
WL-CCG1400	4	110	1.54	61	1016	1800	220	1420	1900
WL-CCG1600	6	160	2.01	80	1333	2300	300	1620	2000
WL-CCG1800	6	160	2.54	101	1683	2900	360	1830	2100
WL-CCG2000	6	160	3.14	125	2083	3600	440	2030	2200
WL-CCG2300	8	200	4.15	166	2766	4800	580	2300	2350
WL-CCG2500	8	200	4.90	196	3265	5700	680	2500	2400
WL-CCG3000	8	200	7.07	282	4698	8250	980	3000	2650

STANDARD: MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup> MAXIMUM OPERATING WATER TEMPERATURE: ≤50°C MAXIMUM TESTING PRESSURE: 58psi/4.0kg/cm<sup>2</sup>  
 OPTIONAL: MAXIMUM WORKING PRESSURE: 58psi/4.0kg/cm<sup>2</sup> MAXIMUM OPERATING WATER TEMPERATURE: ≤50°C MAXIMUM TESTING PRESSURE: 86psi/6.0kg/cm<sup>2</sup>

# HORIZONTAL SAND FILTERS

## POOL FILTERS

Horizontal sand filters are made of polyester reinforced with fiberglass; they are totally anti-corrosive, and have high mechanical, chemical and thermal resistance, higher quality water is achieved with their greater filtering capacity. Indexes of turbidity and contaminants of the filtered water are reduced due to their increased retention capacity, The time between back washes increases proportionally with the height of the filter bed, meaning there are fewer interruptions in filtration, and lower water consumption, because the number of back washes needed is decreased and there is less erosion of the filtering material.

A horizontal filter is the ideal choice in cases where a great volume of water is to be treated, and in cases which require optimization of the available space, as a single horizontal filter can substitute up to 3 vertical filters of the same diameter simply by increasing its length.



Collector Arms



Top Diffuser



Cover Lid



Sand Drain



Pressure Control  
Manometer Panel



Φ1200mm										
Model	L Length (mm)	Flange Connections		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	1-2mm Gravel Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
		inches	mm		m <sup>3</sup> /h	lpm				
WL-HF121900	1900	4	110	1.96	59	983	1100	430	1200	1390
WL-HF122300	2300	6	160	2.42	73	1216	1430	550	1200	1390
WL-HF122500	2500	6	160	2.65	79	1316	1750	700	1200	1390
WL-HF122700	2700	6	160	2.87	86	1433	2080	830	1200	1390
WL-HF123000	3000	6	160	3.21	96	1599	2330	925	1200	1390

Φ1400mm										
Model	L Length (mm)	Flange Connections		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	1-2mm Gravel Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
		inches	mm		m <sup>3</sup> /h	lpm				
WL-HF141900	1900	4	110	2.23	67	1116	2000	580	1400	1600
WL-HF142500	2500	6	160	3.02	91	1516	2750	800	1400	1600
WL-HF143000	3000	6	160	3.67	110	1833	3375	1000	1400	1600

Φ1600mm										
Model	L Length (mm)	Flange Connections		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	1-2mm Gravel Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
		inches	mm		m <sup>3</sup> /h	lpm				
WL-HF161900	1900	6	160	2.47	74	1233	2800	600	1600	1830
WL-HF162500	2500	6	160	3.36	101	1683	3800	850	1600	1830
WL-HF163000	3000	6	160	4.10	123	2049	4700	1050	1600	1830

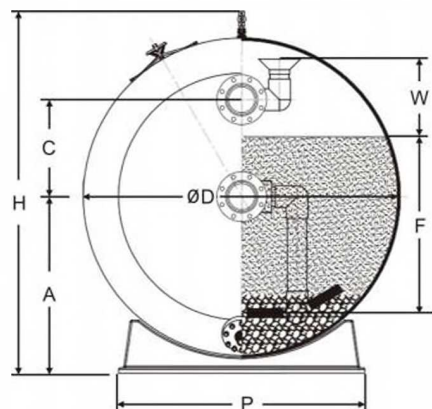
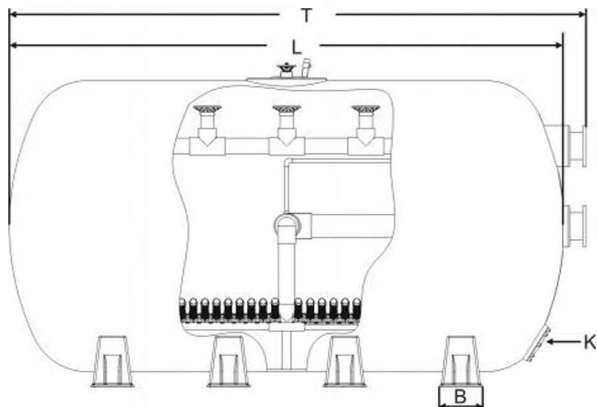
Φ1800mm										
Model	L Length (mm)	Flange Connections		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	1-2mm Gravel Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
		inches	mm		m <sup>3</sup> /h	lpm				
WL-HF182500	2500	6	160	3.74	112	1866	4850	980	1800	2050
WL-HF183000	3000	6	160	4.58	137	2282	5930	1230	1800	2050
WL-HF183500	3500	8	200	5.41	162	2699	7000	1480	1800	2050
WL-HF184000	4000	8	200	6.25	187	3115	8080	1700	1800	2050

Φ2000mm										
Model	L Length (mm)	Flange Connections		Filter Area (m <sup>2</sup> )	Design Flow		0.4-0.8mm Sand Weight (kg)	1-2mm Gravel Weight (kg)	Tank Diameter (mm)	Tank Height (mm)
		inches	mm		m <sup>3</sup> /h	lpm				
WL-HF202500	2500	6	160	4.34	130	2166	6000	1050	2000	2220
WL-HF203000	3000	6	160	5.30	159	2649	7450	1300	2000	2220
WL-HF203500	3500	8	200	6.25	187	3282	8900	1550	2000	2220
WL-HF204000	4000	8	200	7.21	216	3599	10350	1800	2000	2220
WL-HF204500	4500	8	200	8.16	245	4082	11800	2080	2000	2220

STANDARD: MAXIMUM WORKING PRESSURE: 36psi/2.5kg/cm<sup>2</sup>    MAXIMUM OPERATING WATER TEMPERATURE: ≤50°C    MAXIMUM TESTING PRESSURE: 58psi/4.0kg/cm<sup>2</sup>  
 OPTIONAL: MAXIMUM WORKING PRESSURE: 58psi/4.0kg/cm<sup>2</sup>    MAXIMUM OPERATING WATER TEMPERATURE: ≤50°C    MAXIMUM TESTING PRESSURE: 86psi/6.0kg/cm<sup>2</sup>

# HORIZONTAL SAND FILTERS

## POOL FILTERS



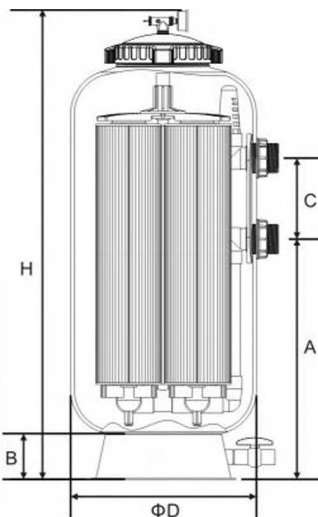
L (mm)	H (mm)	A (mm)	B (mm)	C (mm)	T (mm)	P (mm)	K(mm)	W(mm)	F(mm)
<b>Φ1200mm</b>									
1900	1390	725	250	340	2050	900	180	225	550
2300	1390	725	250	340	2450	900	180	225	550
2500	1390	725	250	340	2650	900	180	225	550
2700	1390	725	250	340	2850	900	180	225	550
3000	1390	725	250	340	3150	900	180	225	550
<b>Φ1400mm</b>									
1900	1600	810	300	400	2150	960	180	225	750
2500	1600	810	300	400	2650	960	180	225	750
3000	1600	810	300	400	3150	960	180	225	750
<b>Φ1600mm</b>									
1900	1830	925	300	450	2100	1230	180	250	910
2500	1830	925	300	450	2700	1230	180	250	910
3000	1830	925	300	450	3200	1230	180	250	910
<b>Φ1800mm</b>									
2500	2050	1040	300	550	2700	1380	180	300	1000
3000	2050	1040	300	550	3200	1380	180	300	1000
3500	2050	1040	300	550	3700	1380	180	300	1000
<b>Φ2000mm</b>									
2500	2220	1090	330	550	2730	1500	180	400	1000-1200
3000	2220	1090	330	550	3230	1500	180	400	1000-1200
3500	2220	1090	330	550	3730	1500	180	400	1000-1200
4000	2220	1090	330	550	4230	1500	180	400	1000-1200
4500	2220	1090	330	550	4730	1500	180	400	1000-1200

# CONVERTIBLE CARTRIDGE & DIATOMACEOUS EARTH FILTER

## POOL FILTERS



- UV inhibited filament wound structural fiberglass tanks.
- 2" or 63mm Inlet/Outlet PVC unions.
- Either 6 way Multiport or Push-Pull valve available for DE models.
- Easy removal or installation of cartridges or DE elements.
- Cartridges in 20.9, 23.2, 35.3, 41.8 Sq.m<sup>2</sup> sizes, fully convertible to DE.
- DE elements in 3.25, 4.18, 6.97, 8.39 Sq.m<sup>2</sup> sizes, fully convertible to Cartridges.
- Large clear lock ring sealed lid for easy interior viewing and media installation/removal.
- Exclusive integral Inlet/Outlet manifold eliminates conventional bulkhead fittings.
- Hose bib drain valve allows removal of tank debris away from mechanical area.



Model	BZX225	BZX250	BZX350	BZX450	BZX520
	BDE35	BDE45	BDE75	BDE90	
ΦD(mm)	500	500	500	500	500
H(mm)	1160	1160	1160	1160	1160
A(mm)	660	660	660	660	660
B(mm)	125	125	125	125	125
C(mm)	220	220	220	220	220

Model	Pipe Size		Filtration area		Design flow		Diatomite weight (kg)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm	m <sup>2</sup>	Ft <sup>2</sup>	m <sup>3</sup> /h	lpm			
BZX225	2	63	20.9	225	19.08	318	-	500	965
BZX250	2	63	23.2	250	21.35	356	-	500	965
BZX350	2	63	35.3	380	32.30	538	-	500	1270
BZX450	2	63	41.8	450	34.07	568	-	500	1270
BZX520	2	63	44.8	482	36.50	608	-	500	1270
BDE35	2	63	3.25	35	15.90	265	1.59	500	965
BDE45	2	63	4.18	45	20.44	341	2.04	500	965
BDE75	2	63	6.97	75	34.07	568	3.40	500	1270
BDE90	2	63	8.36	90	41.80	696	4.08	500	1270

MAXIMUM WORKING PRESSURE: 36psi/2.5bar/cm<sup>2</sup>. MAXIMUM TEMPERATURE ≤50°C. MAXIMUM TESTING PRESSURE: 58psi/4.0bar/cm<sup>2</sup>

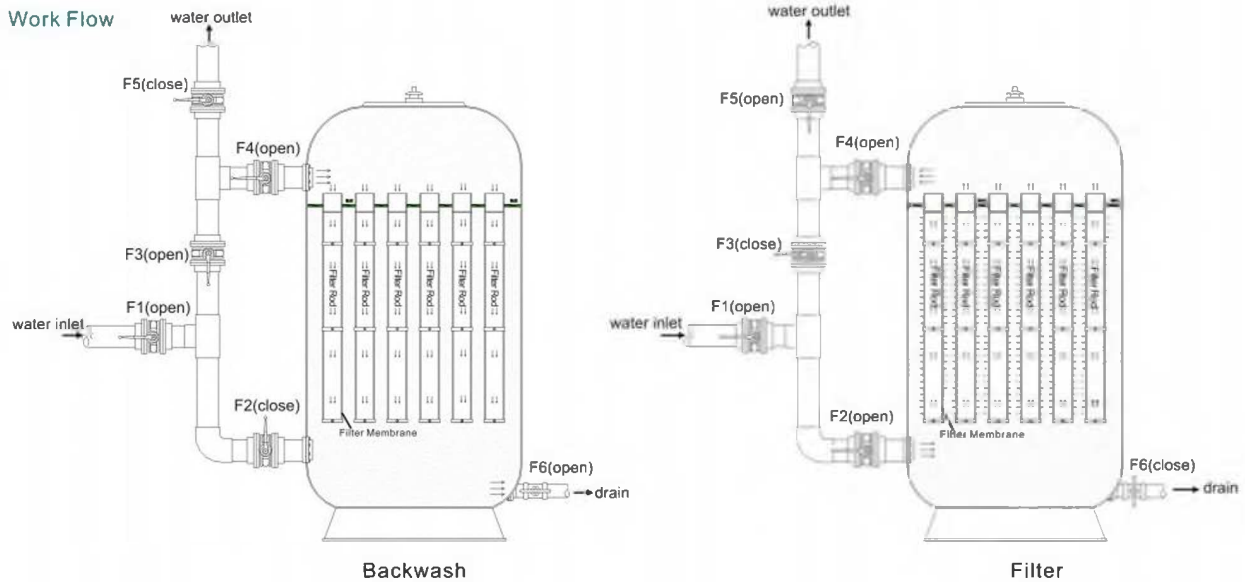


# DIATOMACEOUS EARTH FIBREGLASS FILTERS POOL FILTERS

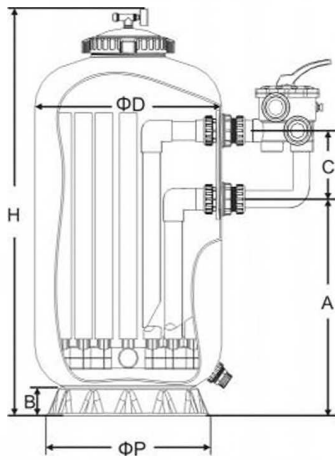
D.E. is historically the media of choice for the designers of some of the largest and most beautiful pools in the world, it is now more practical for all backyard pools as well. It brings you the proven performance of diatomaceous earth media in the world's safest and easiest-to-operate filter.

The greater cycle times and minimized maintenance of the filter, coupled with superior grid system, gives you the finest D.E. filter available.

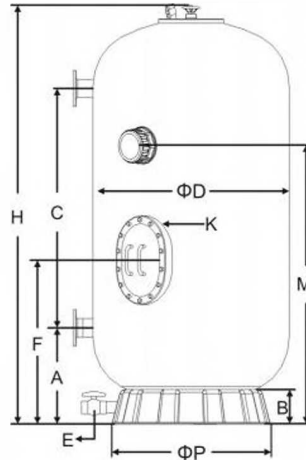
- Good and crude media for filtration--Diatomaceous(D.E.)
- High Filter precision, can reach 2 ~ 3µm.
- Shorter time to backwash, save water and energy sources.
- "Deep bed" designed, save area.



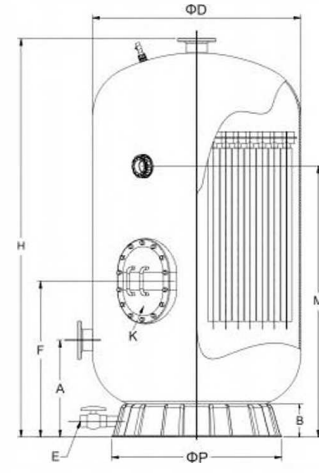
- ◆ Standard: Maximum Working Pressure 250kpa/36psi/2.5bar
- ◆ Optional: Maximum Working Pressure 400kpa/58psi/4.0bar
- ◆ Maximum Temperature 50°C



DE650-DE700



DE800-DE1800



DE1200-DE1800

ΦD(mm)	635	700	800	900	1000	1200	1400	1600	1800
H(mm)	1310	1340	2100	2100	2100	2300	2350	2350	2450
A(mm)	700	730	400	400	400	500	600	600	650
B(mm)	95	95	115	115	140	165	165	215	215
C(mm)	220	220	1300	1300	1300	—	—	—	—
E(mm)	—	—	50	50	50	50	63	63	63
F(mm)	—	—	900	900	900	900	900	900	1000
K(mm)	—	—	400X300	400X300	400X300	400X300	400X300	400X300	400X300
M(mm)	—	—	1350	1350	1350	1400	1400	1400	1450
ΦP(mm)	565	565	690	760	830	980	1215	1450	1610

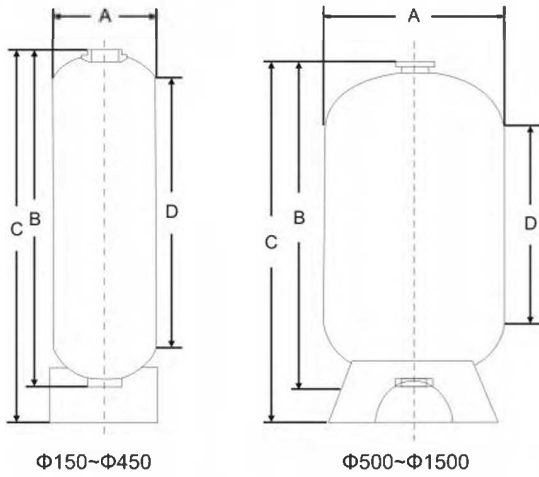
Model	Pipe Size		Filter Area		Design Flow		Required D.E (kg)	Tank Diameter (mm)	Tank Height (mm)
	inches	mm	m <sup>2</sup>	Ft <sup>2</sup>	m <sup>3</sup> /h	lpm			
WL-DE650	2	63	3.64	39	18	300	2.2	635	1310
WL-DE700	2	63	5.07	55	25	417	3.0	700	1340

Model	Flange Connections	Filter Area		Design Flow		Required D.E (kg)	Tank Diameter (mm)	Tank Height (mm)
		m <sup>2</sup>	Ft <sup>2</sup>	m <sup>3</sup> /h	lpm			
WL-DE800	90	9.40	101	47	783	5.0	800	2100
WL-DE900	90	11.00	118	55	916	6.0	900	2100
WL-DE1000	110	15.00	161	75	1250	8.0	1000	2100
WL-DE1200	110	23.40	252	117	1949	13.0	1200	2300
WL-DE1400	160	32.60	351	163	2716	19.0	1400	2350
WL-DE1600	160	40.60	437	203	3382	22.0	1600	2350
WL-DE1800	200	53.40	575	267	4448	30.0	1800	2450

# HIGH PRESSURE FIBERGLASS FILTERS

## POOL FILTERS

- High-performance material satisfies customers' different application
- Apply to water feeding and sewage water treatment, chemical, electronic, petroleum, food etc.
- $\Phi 150\text{mm}-\Phi 900\text{mm}$  filters are made of PE blow molding inner tank with fiberglass.
- $\Phi 1000\text{mm}-\Phi 1500\text{mm}$  filters are made of PE rotational molding innertank with fiberglass.
- Above  $\Phi 700$  filters are specially equipped with destruction of negative pressure device.
- Strong ability of pressure-bearing



Model	Volume(L)	Top opening	Bottom opening	Diameter (mm)	Filter height (mm)	A(mm)	B(mm)	C(mm)
WL-HA2045	11.5	2.5"-8NPSM	/	200	450	200	430	450
WL-HA2090	24.8	2.5"-8NPSM	/	200	900	200	805	900
WL-HA2011	35	2.5"-8NPSM	/	200	1100	200	1070	1100
WL-HA2590	38.4	2.5"-8NPSM	/	250	900	250	855	900
WL-HA2514	50	2.5"-8NPSM	/	250	1400	250	1430	1400
WL-HA3014	70	2.5"-8NPSM	/	300	1450	300	1430	1450
WL-HA3016	100	2.5"-8NPSM	/	300	1650	300	1630	1650
WL-HA3516	130	2.5"-8NPSM	/	350	1650	350	1630	1650
WL-HA4016	180	4"-8UN	/	400	1650	400	1630	1650
WL-HA4516	185	4"-8UN	/	400	1650	450	1620	1650
WL-HA5018	280	4"-8UN	4"-8UN	500	1800	500	1650	1800
WL-HA6018	400	4"-8UN	4"-8UN	600	1850	600	1650	1850
WL-HA6020	460	4"-8UN	4"-8UN	600	2000	600	1850	2000
WL-HA7518	650	4"-8UN	4"-8UN	750	1850	750	1620	1850
WL-HA7520	700	4"-8UN	4"-8UN	750	2000	750	1850	2000
WL-HA9020	1040	4"-8UN	4"-8UN	900	2000	900	1950	2000
WL-HA9024	1170	4"-8UN	4"-8UN	900	2400	900	2030	2400
WL-HA10018	1040	4"-8UN	4"-8UN	1000	1850	1000	1650	1850
WL-HA10024	1332	4"-8UN	4"-8UN	1000	2400	1000	2030	2400
WL-HA12024	1909	6" Flange	6" Flange	1200	2400	1200	2000	2400
WL-HA15024	2588	6" Flange	6" Flange	1500	2400	1500	2000	2400

Maximum Working Pressure: 600kpa/87psi/6.0bar  
 Max Vacuum: 127mmHg

Factory Testing Pressure: 900kpa/130psi/9.0bar  
 Filtration Media: silica sand, activated carbon, etc

Maximum Temperature:  $\leq 49^{\circ}\text{C}$

## PROTEIN SKIMMER LIFE SUPPORT SYSTEM

In the water recirculating aquaculture or aquarium project, if the protein in the water is not removed in time, excessive accumulation will cause the water to appear milky white or yellow, even after decomposition, it will damage the water quality seriously and produce toxic substances, such as ammonia nitrogen, nitrite, nitrate, phosphate, etc. This high efficient protein skimmer is designed to remove these impurities.

### Features:

- Environment friendly and high efficient, low energy consumption.
- High performance venturi injection system to produce sufficient air bubble.
- Remove the suspended solids while increasing oxygen in the water.
- The body is made from FRP (polyester reinforced with fiberglass) , anti-corrosion and anti-UV.
- Reduce the load imposed on bio-filtration system and stabilize water's pH value.
- Trouble-free design, for easy installation and maintenance.
- With collecting tank, easy for disassembling and cleaning.



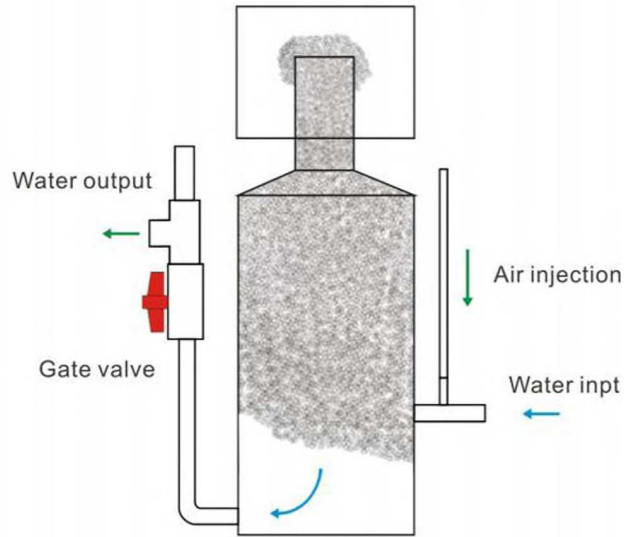
### Technical parameters

Model	Reaction chamber diameter (mm)	Height of water column (mm)	Flow rate (m <sup>3</sup> .h)	Water inlet (mm)	Water outlet (mm)	Foam outlet (mm)	Venturi quantity (pcs)	Pump power (kw)
WL-WPSB400	400	2500	10/7.5	63	90	50	1X1"	0.75X1
WL-WPSB600	600	2700	22/16	90	110	50	1X1.5"	1.1X1
WL-WPSB800	800	3100	45/34	90	110	50	1X1.5"	1.5X1
WL-WPSB900	900	3100	55/42	90	140	50	1X2"	2.2X1
WL-WPSB1000	1000	3600	85/65	110	160	63	2X1.5"	1.1X2

# LLDPE PROTEIN SKIMMER

## LIFE SUPPORT SYSTEM

The body of this series protein skimmer is made from UV rated linear low density polyethylene (LLDPE) material, which makes the protein skimmer rugged, ozone safe and UV-resistant, and adopts rotationally molded design, it is once piece, eliminating potential leaking and failures from seams and weld points. Equipped with an automatic washdown system and touch screen controller for a simple and convenient programming of rinse cycles for the internal and external cone. It is designed to carry out the protein fractionation process efficiently and help to save the operation and maintenance cost. At the same time, stocking densities and growth rates are all enhanced and animal health improved.



### Features:

- High venturi air flow direct injection system.
- Rotation molded LLDPE main body.
- Vanstone inlet flange.
- Cost saving dual seawater & potable water top cup rinse system.
- Individual electronic timer control and electrical solenoid for rinse system.
- Special designed venturi injection pump.
- Adjustable air flow meter for ozone injection.
- Anti-siphon design.
- Built-in floor anchoring point.
- All clear acrylic top cup and funnel.
- Ozone vent and fresh air make up vent on top cup.
- Pillow base included for venturi pump.
- Retracting top cup seawater rinse spray head.
- Easy to install, normally 3-6 hours for complete installation with minimum tool.

## Application



## Seawater venturi pump

Pump material	PPO+PPE+30% FRP
Shaft	316SS+PVC
Mechanical seal	High density silicon carbide surface
O-ring	Viton(high corrosion resistance)
Water proof standard	IP55(ODP)
Pump housing	Aluminum alloy
Power supply	220V/1N/50Hz,380V/3N/50Hz
Motor	2950rpm
Liquid temperature	5-50°C
Ambient temperature	≤50°C
Max. working pressure	0.3MPa



## Technical parameters

Model	Flow rate (@120S) m3/h	Flow rate (@90S) m3/h	Diameter of reaction chamber(mm)	Total height (mm)	Total volume (L)	Ventun quantity	Water inlet (mm)	Water outlet (mm)
WL-LDPE25	7	9	420	2134	226	1	Φ50	Φ63
WL-LDPE50	14	18	550	2515	452	1	Φ63	Φ90
WL-LDPE75	24	32	730	2591	797	1	Φ63	Φ90
WL-LDPE150	40	54	950	2565	1350	1	Φ90	Φ110
WL-LDPE300	84	112	1350	2794	2800	1	2XΦ90	Φ160
WL-LDPE600	166	222	1650	3658	5540	2	2XΦ110	Φ225
WL-LDPE1000	282	376	2134	3658	9407	4	2XΦ160	Φ315
WL-LDPE2000	344	458	2134	4267	11445	4	2XΦ225	Φ400

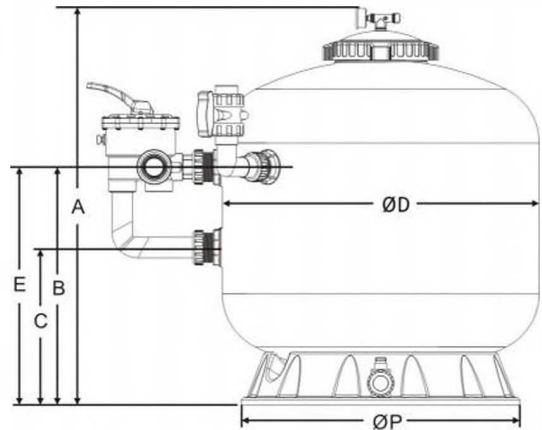
# BIOLOGICAL FILTER

## LIFE SUPPORT SYSTEM

Bead filter are closed pressure filter containing food grade polyethylene granules or beads. The form and size of the beads create a large surface on which bacteria and suspended solid can attached it. It provides mechanical and biological filtration at a single unit which compete with bobbin wound filter, 6-way multiport valve, pipings, circulation pump, air blower, control box and base. It has been engineered uniquely for pond and aquarium.



Model	BFG 450	BFG 500	BFG 650	BFG 700	BFG 800	BFG 900	BFG 1200
ΦD (mm)	450	500	630	700	800	900	1200
A (mm)	660	730	790	885	1020	1110	1350
B (mm)	385	405	435	520	605	650	820
C (mm)	260	280	310	300	385	430	600
E (mm)	385	405	435	480	600	650	820
ΦP (mm)	390	390	565	565	790	790	1010



Model	Design Flow		Pond Size (m³)	Fish Load (kg)	Blower (watt)	Media (kg)	Filter Diameter (mm)	Filter Height (mm)
	m³/h	lpm						
WL-BFG450	8	133	6	20	400	18	450	660
WL-BFG500	11	183	10	35	400	30	500	730
WL-BFG650	16	267	30	78	400	50	650	745
WL-BFG700	19	317	34	94	900	75	700	830
WL-BFG800	25	417	52	124	900	100	800	905
WL-BFG900	30	500	73	172	1000	125	900	1005
WL-BFG1200	42	700	148	310	2*1000	325	1200	1325

## MULTIPOINT VALVES

### 6-WAY MULTIPOINT VALVE

New type of multiport control valve, made of ABS and engineered for maximum flow at lower pressure drops will be the first choice in the same ones. All the valves feature an easy-to-use lever action handle that lets you "dial" up to six valve/filter functions : filter, backwash, waste, rinse, closed or recirculate. Complete with an integral sight glass that lets you see when the backwashing cycle is completed, our wide selection of valve configurations allows you to the proper application: residential and commercial.



1.5" Multiport valve for top mounted clamp lock filter



2" Multiport valve for top mounted filter



1.5" Multiport valve for side mounted filter



2" Multiport valve for side mounted filter

### 4-WAY MULTIPOINT VALVE



1.5" Multiport valve for top mount filter

### BUTTERFLY VALVE FOR COMMERCIAL FILTERS



4-Way Valve Manifold

Size: 3" - 8"



5-Way Valve Manifold

Size: 3" - 8"



# UNDERWATER LIGHTS



# UNDERWATER LIGHTS

The light source is the core part of the underwater light, and its technical characteristics determine the performance and structure of the underwater light. At present, the light source of LASWIM underwater light application has silicon filled LED panel, variable voltage LED, DIP LED, SMD LED, halogen and incandescent. In order to make it easier for you to understand our products, we will introduce you to the characteristics of the light source so that you can select underwater light products more conveniently.

## 1. RESIN FILLED LED LAMP

By full enclosing resin, the LED lamp and the interior of the lamp body are fully packaged, so as to achieve complete waterproof and moisture proof.

### Features:

- Resin-filled LED panel allows 100% water proofing with special epoxy, even if only the led panel still keeps working.
- High efficient, supper bright, low heat LED board and control board, low power consumption.
- Color: cool white, warm white, RGB and single blue.
- RGB mode features 19 pre-programmed lighting patterns.

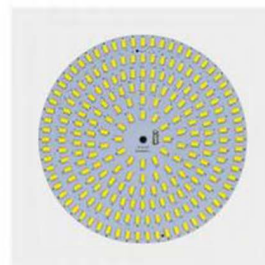


## 2. Variable voltage LED light:

Variable voltage AC12V-20V led light would be provided you much better and reliable quality even though your pool power supply with voltage fluctuation. Your pool lights would be ensured their working performance and prolonged their lifespan.

### Features:

- Safe low voltage: AC12V-20V.
- Can be applied to the voltage fluctuation range of occasion.
- No flicker, high purity, soft light, no glare.
- High brightness (high lumen), strong light transmission.
- Low power consumption, low heat while working.



## 3. DIP LED light

DIP LED using potting form for packaging. Potting process is injected liquid epoxy resin in LED the molding cavity at first, and then insert the pressure LED bracket welding good put them into the oven for epoxy resin after curing in order to make the LED molded from the mold cavity. Due to the simple fabrication process, low cost, it have a higher market share. In large volume, can be used to artificial insert or AI machine operation, because the DIP LED high brightness, easy to waterproof processing, so this kind light source widely using in general pool lights, and high power available as well.

### Features:

- High brightness, high efficient, low power consumption.
- Safety voltage: AC 12V.
- RGB mode features 19 pre-programmed lighting patterns.



## UNDERWATER LIGHTS

### 4.SMD LED light

SMD LED is attached on the surface of PCB, suitable for SMT processing, can be reflow, solves the brightness, angle of view, flatness, consistency, reliability and other issues, the lighter PCB plate and a reflecting layer material, improvement of removing heavier carbon steel pin of DIP LED, the display epoxy resin less reflective layer to fill, to reduce the size, reduce weight. Thus, surface mount LED can easily integrate product weight by half; eventually make the application more perfect.



#### Features:

- High efficient SMD LED, power saving up to 80% consumption than halogen lamp and incandescent lamp.
- Beam angle: 120°.
- Safety low voltage: AC 12V.

### 5.Halogen / Incandescent bead/Lamp cup:

The halogen light bulb or lamp is a type of incandescent lamp which uses a halogen gas in order to increase both light output and rated life. They are known for moderately high efficiency, quality of light, and high rated life compared to regular incandescent lamps.

#### Features:

- Super brightness, high efficient.
- Safe low voltage: AC12V.
- Competitive cost.



lamp beads



lamp cup



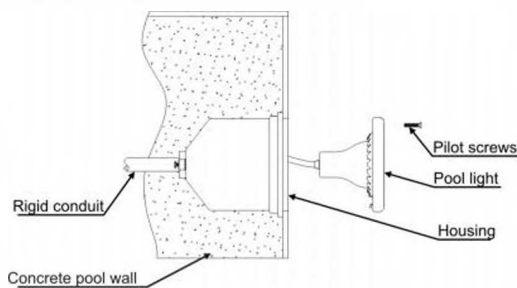
lamp bulb



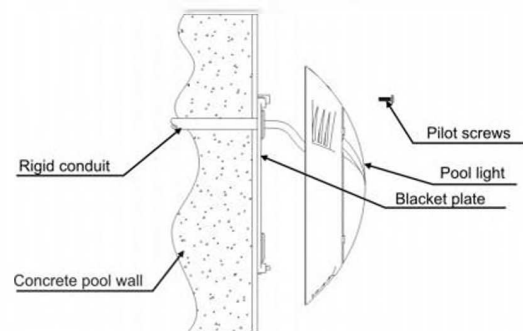
PAR56

### LASWIM lights installation modes:

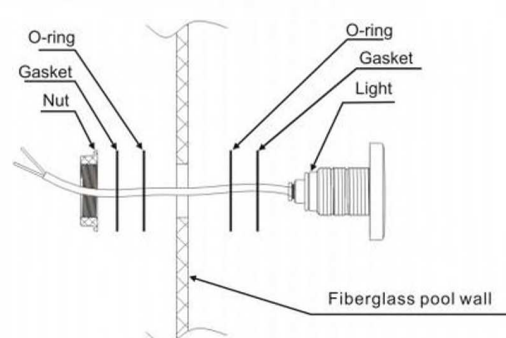
#### Recessed pool light installation mode



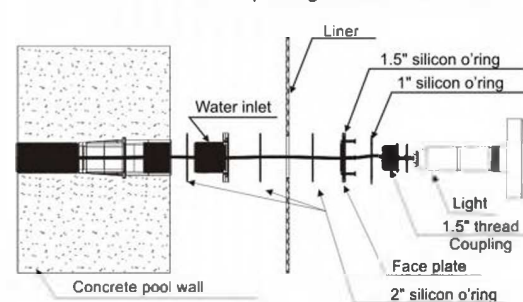
#### Wall-mounted pool light installation mode



#### Panel pool light installation mode



#### Liner pool light installation mode



## WL-MAG/WL-MBG/WL-MCG



WL-MAG



Colour Change



PC board with resin to protect from water penetration, convenient wiring

Compatible to be with niche and bracket plate, you're able to choose recessed or wall mount installation mode much more flexible. MAG/MBG/MCG lights full filled resin allows 100% water proofing with special epoxy, even if only the led panel still keeps working.

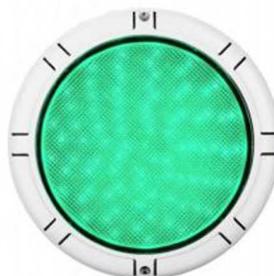
With the best technology, the heat radiation is wasted fast when producing brightness, preventing from reducing in attenuation of and extend lamp life.

### Main features:

- Fully resin enclosing the light cable connection, to achieve complete waterproof and moisture proof.
- High efficient, supper bright, big lumen.
- Waterproof standard: IP68.
- Color: cool white, warm white, RGB and single color.
- RGB mode features 19 pre-programmed patterns.
- Installation mode: compatible to housing type with niche and wall-mounted with bracket plate.
- Color temperature: cool white 6000K, warm white: 3000K.



MAG led light



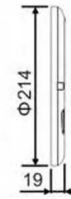
MBG led light



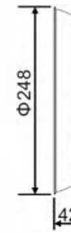
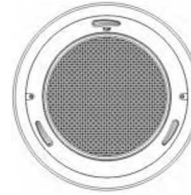
MCG led light

This series lights are available to choose different surface plates

## WL-MAG/WL-MBG/WL-MCG



Recessed light with niche



Wall mounted light with bracket plate

### WL-MAG.1

Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-MAG-LED072TB	6W	12V	72	Resin filled	White color	255	Housing type & wall-mounted type
WL-MAG-LED072TC	6W	12V	72	Resin filled	RGB	90	Housing type & wall-mounted type
WL-MAG-LED144TB	12W	12V	144	Resin filled	White color	455	Housing type & wall-mounted type
WL-MAG-LED144TC	12W	12V	144	Resin filled	RGB	110	Housing type & wall-mounted type
WL-MAG-LED252TB	18W	12V	252	Resin filled	White color	731	Housing type & wall-mounted type
WL-MAG-LED252TC	18W	12V	252	Resin filled	RGB	255	Housing type & wall-mounted type
WL-MAG-LED324TB	24W	12V	324	Resin filled	White color	1075	Housing type & wall-mounted type
WL-MAG-LED324TC	24W	12V	324	Resin filled	RGB	355	Housing type & wall-mounted type
WL-MAG-LED126JTB	18W	12-20V	126	Resin filled	White color	1250	Housing type & wall-mounted type
WL-MAG-LED126JTC	18W	12-20V	126	Resin filled	RGB	780	Housing type & wall-mounted type
WL-MAG-LED162JTB	18W	12-20V	162	Resin filled	White color	1370	Housing type & wall-mounted type
WL-MAG-LED162JTC	18W	12-20V	162	Resin filled	RGB	880	Housing type & wall-mounted type
WL-MAG-LED216JTB	24W	12-20V	216	Resin filled	White color	1950	Housing type & wall-mounted type
WL-MAG-LED216JTC	24W	12-20V	216	Resin filled	RGB	1300	Housing type & wall-mounted type

### WL-MAG.2 Non-resin filled LED

Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-MAG.2-LED162JTB	18W	12-20V	162	High brightness	White color	1500	Housing type & wall-mounted type
WL-MAG.2-LED162JTC	18W	12-20V	162	High brightness	RGB	970	Housing type & wall-mounted type
WL-MAG.2-LED216JTB	24W	12-20V	216	High brightness	White color	2150	Housing type & wall-mounted type
WL-MAG.2-LED216JTC	24W	12-20V	216	High brightness	RGB	1500	Housing type & wall-mounted type

# WL-MD



LASWIM MD series flat light is elegant in design, ultra-thin lamp againsts to the pool wall much more closely. It not only provides super brightness and high efficiency, but also very convenient installation to mount to the pool with bracket plate directly.



MDA surface ring      MDB surface ring

- Code 3040930059 bracket for concrete pool (non-niche).
- Code 3040930061 Mounting set for panel pool.
- Code 3040930060 niche part for concrete pool matching 2"/63mm PVC pipe.
- Code 1219800009 retrofit plate for light with European or American Niche.



3040930059



3040930061

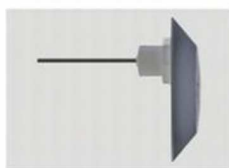


3040930060

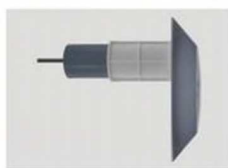


1219800009

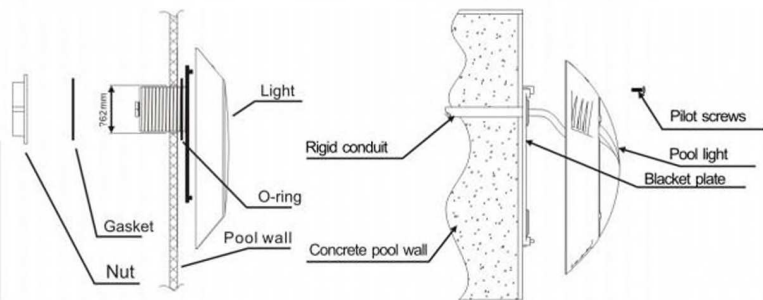
## INSTALLATION DRAWING



Mounting set for panel pool



Niche for concrete pool



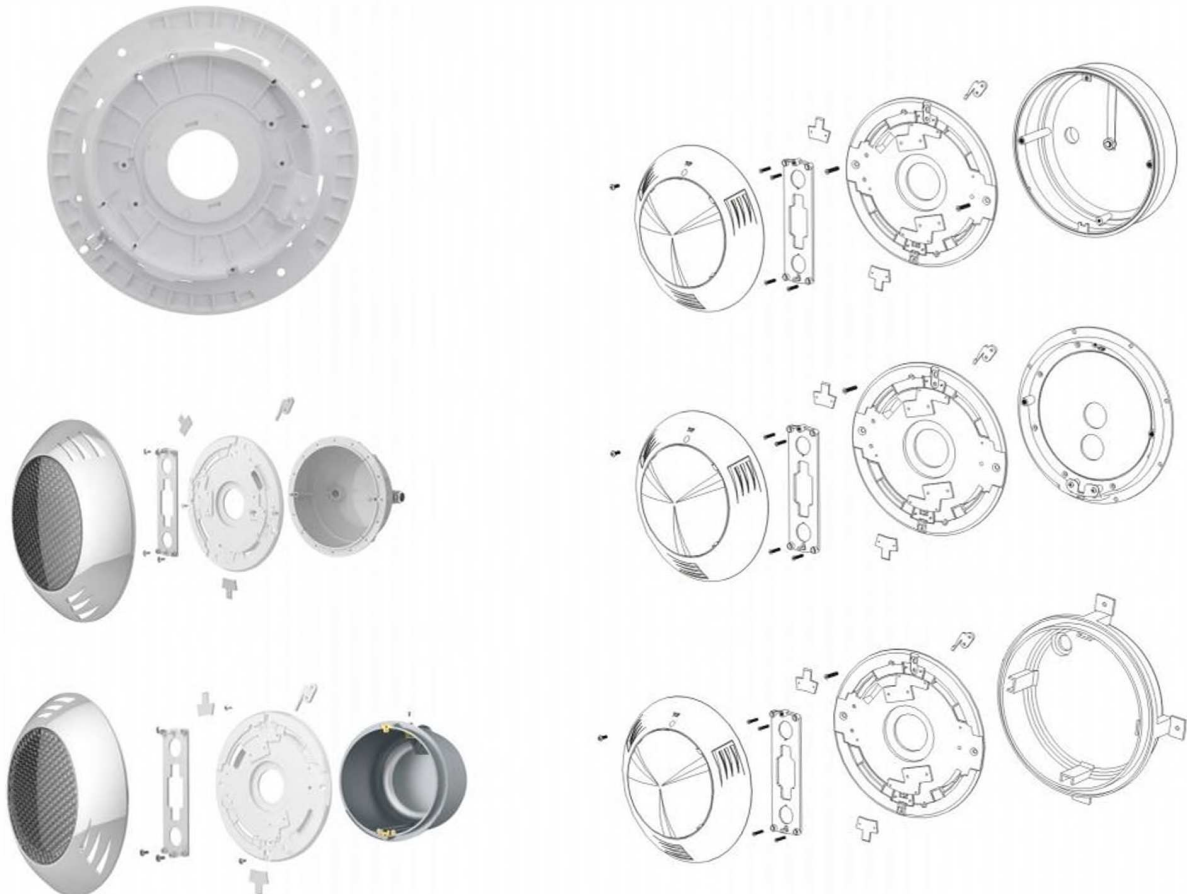
Panel pool installation

Wall mounted type installation

## WL-MD

### RETROFIT PLATE

Universal Retrofit Bracker for Niche Lights, fit for most type of niches all over the world.



### TECHNICAL DATA

Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-MD-LED162JTB	18W	AC 12-20V	162	Wide voltage	White color	1500	Wall mounted type
WL-MD-LED162JTC	18W	AC 12-20V	162	Wide voltage	RGB	970	Wall mounted type
WL-MD-LED216JTB	24W	AC 12-20V	216	Wide voltage	White color	2150	Wall mounted type
WL-MD-LED216JTC	24W	AC 12-20V	216	Wide voltage	RGB	1500	Wall mounted type
WL-MD-LED018JTB	18W	AC 12V	54	SMD LED	White color	1185	Wall mounted type
WL-MD-LED018JTC	18W	AC 12V	54	SMD LED	RGB	245	Wall mounted type
WL-MD-LED16PC	18W	DC12V	16	SMD LED	RGB+cool white+warm white	1380	Wall mounted type
WL-MD-LED24PC	24W	DC12V	16	SMD LED	RGB+cool white+warm white	1650	Wall mounted type

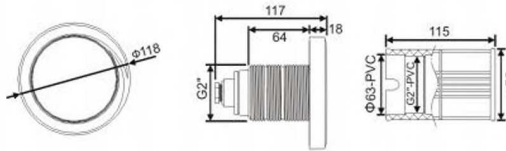
# WL-ME



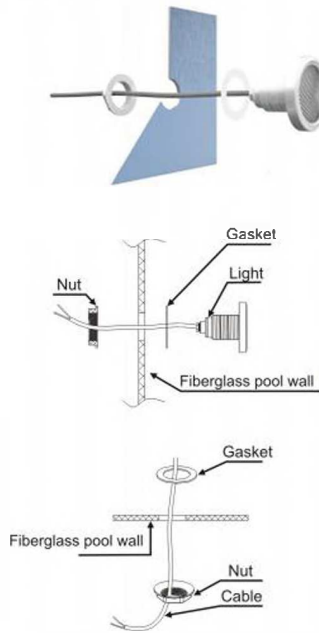
LASWIM ME light with 2" thread coupling is compatible to 2" int.thread wall conduit and 2" int.thread pvc pipe. This series light is widely used in different kind pool, spa and water features. Its crystal PC lens improves its corrosion resistance and transparency to a new level.



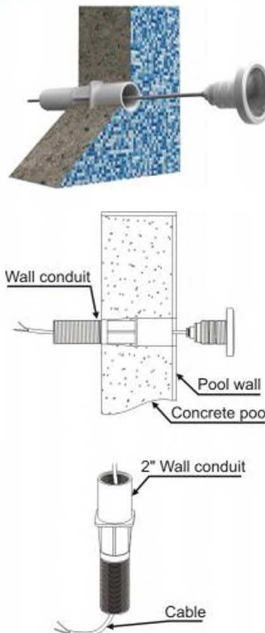
- Code 3040930063 kits for panel pool installation.
- ME light is able to connect to 2" wall conduit directly.
- Code 3040930062 kits for concrete pool with 2" or 63mm pvc pipe.



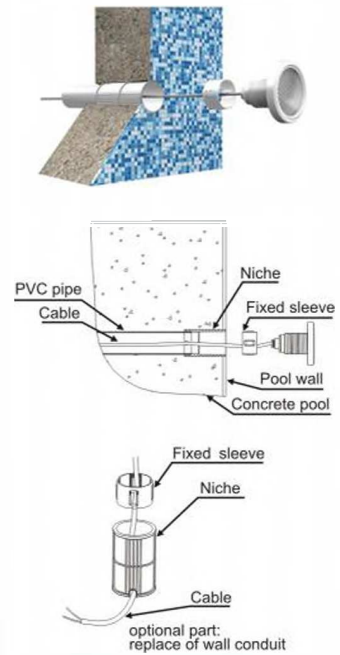
## Panel pool installation



## Concrete pool installation with wall conduit:



## Concrete pool installation to 2"/63mm pipe



## TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-ME-LED054JTB	6W	12-20V	54	Wide voltage	White color	485	1.for fiberglass pool 2.for panel pool 3.for concrete pool
WL-ME-LED054JTC	6W	12-20V	54	Wide voltage	RGB color	120	
WL-ME-LED081JTB	9W	12-20V	81	Wide voltage	White color	760	
WL-ME-LED081JTC	9W	12-20V	81	Wide voltage	RGB color	200	
WL-ME-LED108JTB	12W	12-20V	108	Wide voltage	White color	1000	
WL-ME-LED108JTC	12W	12-20V	108	Wide voltage	RGB color	300	



## WL-MF

### LASWIM CRYSTAL LED LIGHT

MF series Crystal led light is with an unique designed and new technology, featuring an innovation, energy efficient and fast cooling. Just need to slip into a standard 1.5" pvc pipe or 1.5" return fitting, easy and simple operation.



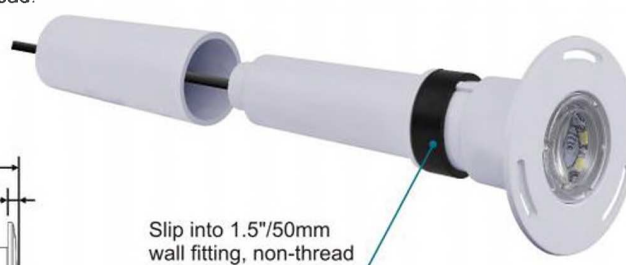
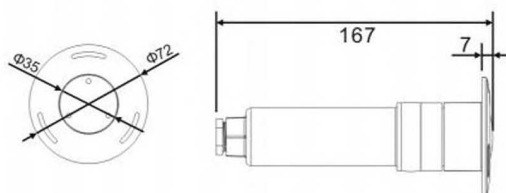
#### Main features:

- Low wattages but brilliant illumination.
- Low energy consumption.
- Variable voltage range AC 12V-20V.
- No flicker, high purity, soft light, no glare.
- Multi-color and white color available.
- High brightness (high lumen), strong light transmission.
- IP68 waterproof standard.
- Suitable to small space installation, such as pool step, spa, etc.
- Installation mode: Housing type, slip into 1.5"/50mm wall fitting or pvc pipe.
- Color: cool white, warm white, RGB and single color.



#### INSTALLATION GUIDANCE

- Slip into 1.5"/50mm pvc rigid hose or socket, non-thread.
- Slip into 1.5"/50mm wall fitting non-thread.



#### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-MF-LED003PB-C	3W	12-20V	1	Wide voltage	Cool white	180	Directly slip into 1.5" PVC pipe
WL-MF-LED003PB-W	3W	12-20V	1	Wide voltage	Warm white	180	
WL-MF-LED003PC	3W	12-20V	1	Wide voltage	RGB color	150	

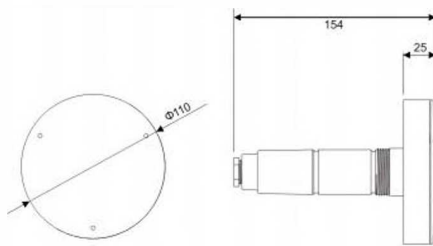
# WL-MG



With distinctive design lens, MG light performances extraordinary and gorgeous lighting effect. Its thread is compatible to connect to 1.5" and 2" int. thread wall fitting or wall conduit, very convenient and widely used in all kinds of pools and spas, especial different liner pools.

### Main features:

- High quality silicon gasket, it's not easy to age, seepage and leak.
- Variable voltage range AC 12-20V.
- No flicker, high purity, soft light, no glare.
- High brightness (high lumen), strong light transmission.
- Low power consumption, low heat while working.
- IP68 waterproof standard.
- Color: cool white, warm white, RGB & single blue.

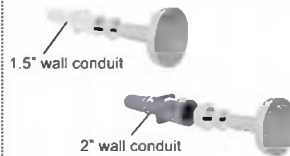


### Selection guidance

**1** Screw to 1.5" wall fitting directly.



**2** Adapt to 1.5" or 2" interior thread wall conduit or pvc pipe.



**3** With niche part, the light can be connected to 2"/63mm slippy pvc pipe.



**4** Adapt to 2" wall fitting special for different liner pools.

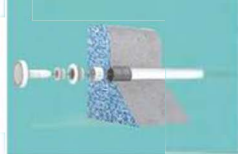


### Suitable for all kinds of pools

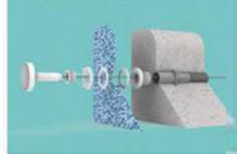
**1** Concrete pool installation with wall conduit.



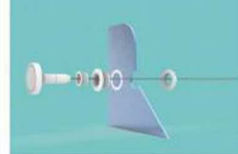
**2** Concrete pool installation with niche.



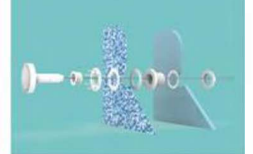
**3** Concrete pool + liner installation.



**4** Fiberglass pool installation.



**5** Panel pool + liner installation.



### TECHNICAL DATA

Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-MG-LED054JTB	6W	12-20V	54	Wide voltage	White color	485	1.For fiberglass pool 2.For panel pool+liner 3.For concrete pool+tile 4.For concrete pool+liner
WL-MG-LED054JTC	6W	12-20V	54	Wide voltage	RGB color	120	
WL-MG-LED081JTB	9W	12-20V	81	Wide voltage	White color	760	
WL-MG-LED081JTC	9W	12-20V	81	Wide voltage	RGB color	200	
WL-MG-LED108JTB	12W	12-20V	108	Wide voltage	White color	1000	
WL-MG-LED108JTC	12W	12-20V	108	Wide voltage	RGB color	300	

## WL-MH

Its unique design combines high-power spotlights and floodlight sources to increase range while increasing brightness. Suitable for all kinds of swimming pools. It is threaded for general purpose 1.5" female thread water inlet and wall conduit, very easy to install and widely used in various swimming pools and spas, especial liner pools.

### Main features:

- Light source: 18W flood light + 6W high power spotlight.
- No flicker, high purity, soft light, no glare.
- High brightness (high lumen), strong light transmission.
- Low power consumption, low heat while working.
- IP68 waterproof standard.
- Safety low voltage: AC 12-20V.
- Color: cool white, warm white, RGB combination.
- Installation mode: suitable for all kinds of pools installation.



UNDERWATER LIGHTS

### Selection guidance

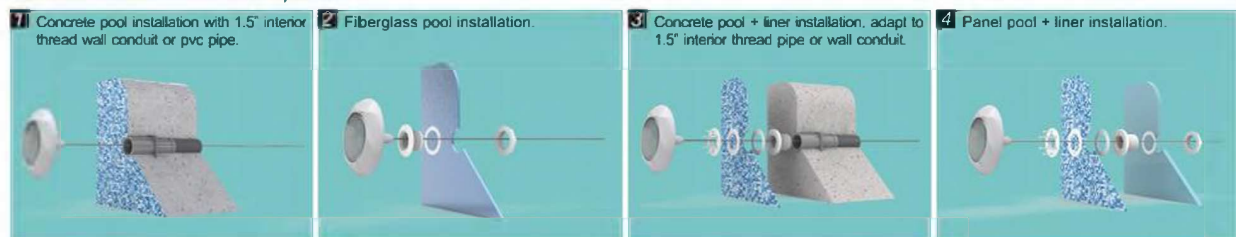
**1** Adapt to 1.5" interior thread wall conduit



**2** Adapt to universal 1.5" interior thread wall fittings, such as our kits special for liner pools.



### Suitable for all kinds of pools



### TECHNICAL DATA

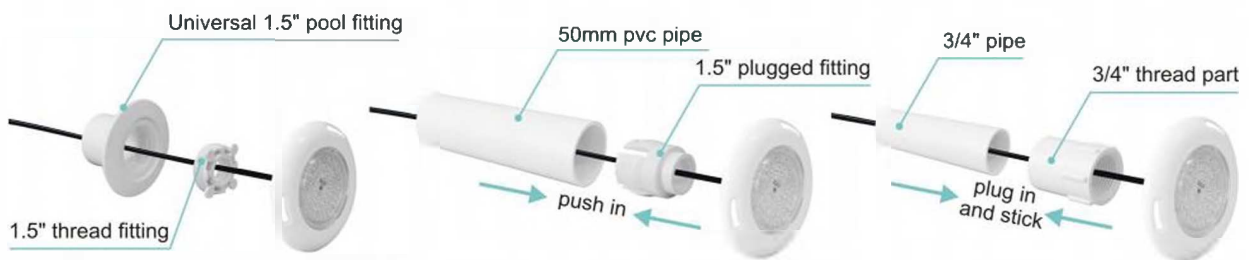
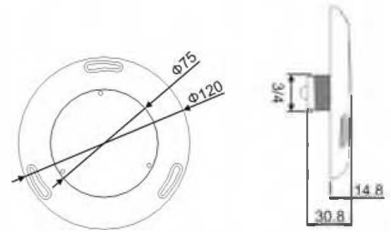
Model	Power(W)	Voltage(V)	LED QTY	Light source	Lumination (lux)	Installation type
WL-MH-LED168JTBW	18W+6W	12-20V	168	162pcs SMD leds white color 6pcs high power leds white color	2100	1.For fiberglass pool 2.For panel pool+liner 3.For concrete pool+tile 4.For concrete pool+liner
WL-MH-LED168JTCW	18W+6W	12-20V	168	162pcs SMD leds RGB 6pcs high power leds white color	1500	

## WL-LA



### Main features:

- Ultra-thin design, perfectly integrated with the pool wall.
- Very convenient installation, directly insert into 3/4" pipe or 1.5" water inlet.
- Four-core wire stepless dimming remote control technology can achieve hundreds of color changes.
- Suitable for all kinds pools using.



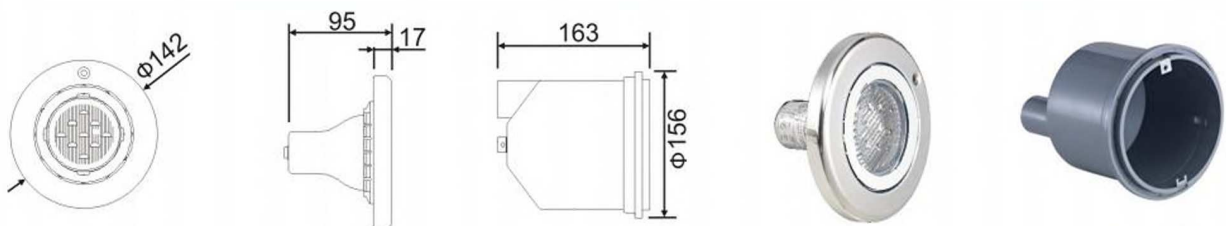
### TECHNICAL DATA

Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-LA-LED063JTB	6W	AC/DC 12V	63	SMD LED	Cool white	483	Wall mounted & Wall Recessed
WL-LA-LED063JTW	6W	AC/DC 12V	63	SMD LED	Warm white	483	
WL-LA-LED063JTC	6W	DC 12V	63	SMD LED	RGB color	155	

## WL-QA



QA series features stainless steel material, non-corrosive and well cooling operation, tempered glass lens increase transparency. It's very simple to install in concrete pool.

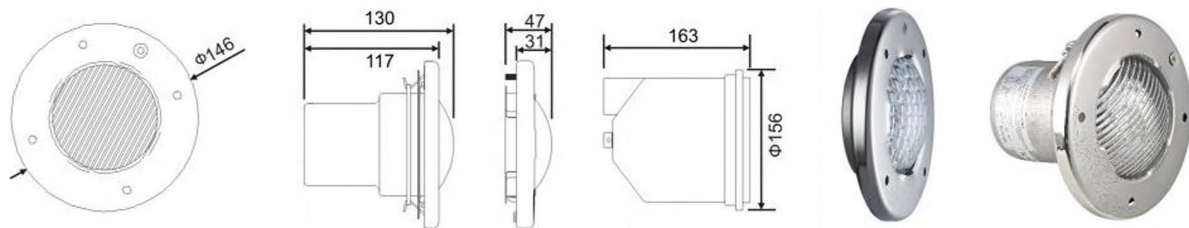


### TECHNICAL DATA

Model	Description	Power (W)	Voltage (V)	Installation type	Pool Type
WL-QAC075	Stainless steel light with niche, with lamp cup, tempered glass lens	75W	12V	Housing type	Concrete pool

## WL-QB

QB series features stainless steel material, non-corrosive and well cooling operation, tempered glass lens increase transparency and compatible to American and European niches. It's very simple to install in concrete pool.



### TECHNICAL DATA

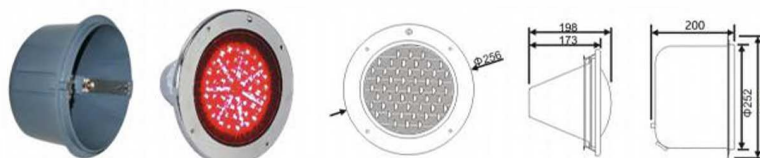
Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QB-LED108JTB	12W	12-20V	108	Wide voltage	White color	2150	Housing type
WL-QB-LED108JTC	12W	12-20V	108	Wide voltage	RGB color	1500	Housing type
WL-QBG-LED012PB	12W	12V	12	Resin filled	White color	885	Housing type
WL-QBG-LED012PC	12W	12V	12	Resin filled	RGB color	200	Housing type
WL-QBG-LED072TB	6W	12V	72	Resin filled	White color	255	Housing type
WL-QBG-LED072TC	6W	12V	72	Resin filled	RGB color	90	Housing type
WL-QBG-LED144TB	12W	12V	144	Resin filled	White color	455	Housing type
WL-QBG-LED144TC	12W	12V	144	Resin filled	RGB color	110	Housing type
WL-QB-LED072BB	6W	12V	72	Standard DIP LED	White color	150	Housing type
WL-QB-LED072BC	6W	12V	72	Standard DIP LED	RGB color	88	Housing type
WL-QB-LED009PB	9W	12V	9	High power	White color	580	Housing type
WL-QB-LED009PC	9W	12V	9	High power	RGB color	130	Housing type
WL-QB-LED012PB	12W	12V	12	High power	White color	885	Housing type
WL-QB-LED012PC	12W	12V	12	High power	RGB color	200	Housing type
WL-QBP100	100W	12V	E27 light bulb, tempered glass lens		----	----	Housing type
WL-QBC100	100W	12V	Lamp cup, tempered glass lens		----	----	Housing type

## WL-QD



### Main features:

- Material: stainless steel, non-corrosive.
- Tempered glass lens increases transparency.
- High efficient, low heat LED board and control board, low power consumption.
- Compatible to American and European niches.
- Different lamp available: LED lamp and E27 bulb.



### TECHNICAL DATA

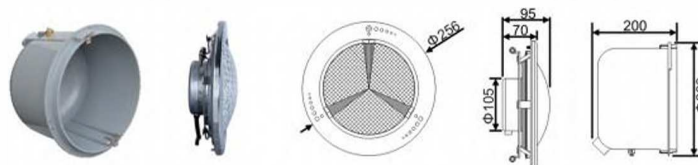
Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QD-LED144BB	12W	12V	144	Standard DIP LED	White color	302	Housing type
WL-QD-LED144BC	12W	12V	144	Standard DIP LED	RGB	168	Housing type
WL-QD-LED252BB	18W	12V	252	Standard DIP LED	White color	530	Housing type
WL-QD-LED252BC	18W	12V	252	Standard DIP LED	RGB	257	Housing type
WL-QDP300	300W	12V	E27 bulb, toughened glass		---	---	Housing type

## WL-QG



LASWIM QG series light is a high power series light, and features stainless steel material with good heat dissipation and tempered glass lens to increase transparency and super brightness. There are different lamp sources available: variable voltage LED lamp, DIP LED lamp and SMD led lamp.

Compatible to American and European niches.



### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QGB-LED216JTB	24W	12-20V	216	Wide voltage	White color	1420	Housing type
WL-QGB-LED216JTC	24W	12-20V	216	Wide voltage	RGB	522	Housing type
WL-QGB-LED012PB	12W	12V	12	High power	White color	885	Housing type
WL-QGB-LED012PC	12W	12V	12	High power	RGB	200	Housing type
WL-QGB-LED024PB	24W	12V	24	High power	White color	1300	Housing type
WL-QGB-LED024PC	24W	12V	24	High power	RGB	352	Housing type
WL-QGB-LED036PB	36W	12V	36	High power	White color	1395	Housing type
WL-QGB-LED036PC	36W	12V	36	High power	RGB	410	Housing type
WL-QGB-LED024JTB	24W	12V	72	SMD LED	White color	1240	Housing type
WL-QGB-LED024JTC	24W	12V	72	SMD LED	RGB	375	Housing type

## WL-QH/QI



WL-QH

WL-QI

### Main features:

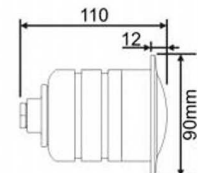
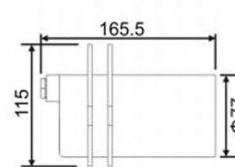
- Safety low voltage: AC12V.
- Standard cable: 2.0meter.
- Waterproof standard: IP68.
- Color: cool white, warm white, RGB and single blue.
- RGB mode features 19 pre-programmed lighting patterns.
- QHB/QIB: for concrete pool with housing.
- QHT/QIT: for fiberglass pool, stainless steel pool.



Concrete Niche



Fiberglass Niche



### TECHNICAL DATA

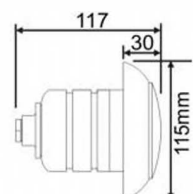
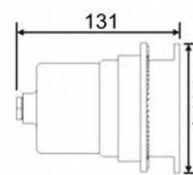
Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QHB-LED036HB	3W	12V	36	High quality DIP LED	White color	95	Concrete pool
WL-QHB-LED036HC	3W	12V	36	High quality DIP LED	RGB	42	Concrete pool
WL-QHT-LED036HB	3W	12V	36	High quality DIP LED	White color	95	Fiberglass pool
WL-QHT-LED036HC	3W	12V	36	High quality DIP LED	RGB	42	Fiberglass pool



Concrete Niche



Fiberglass Niche



### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QIB-LED072HB	6W	12V	72	High quality DIP LED	White color	188	Concrete pool
WL-QIB-LED072HC	6W	12V	72	High quality DIP LED	RGB	70	Concrete pool
WL-QIT-LED072HB	6W	12V	72	High quality DIP LED	White color	188	Fiberglass pool
WL-QIT-LED072HC	6W	12V	72	High quality DIP LED	RGB	70	Fiberglass pool

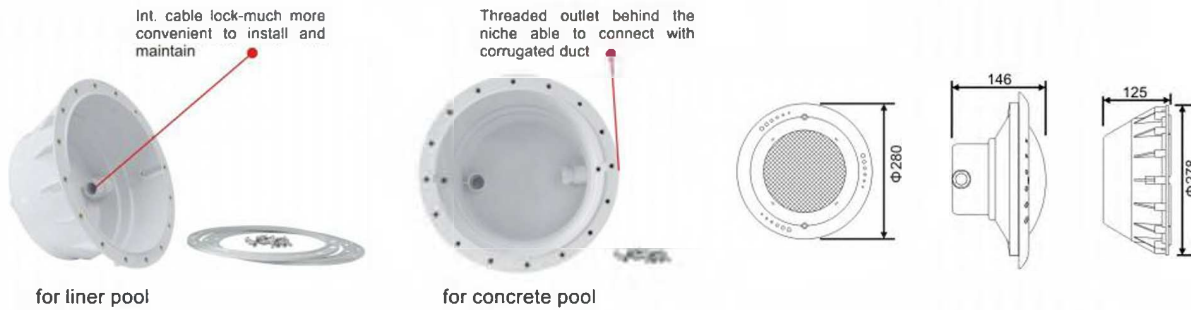
## WL-QJ



Built-in remote control system let you to manage your pool more convenient and easily.  
(Optional)

### Main features:

- Standard PAR56 lamp install into standard PAR56 niche of QJ series underwater light, with high brightness and strong luminosity.
- Curved PC lens expands the light refraction, and the crystal lens brings high brightness.
- Different LED lamps in option.
- Compatible with all pools



### TECHNICAL DATA

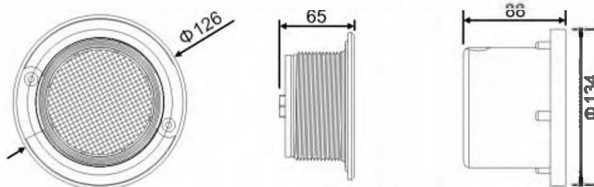
Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Installation type	Optional remote control
WL-QJ-LED144BB	12W	12V	144	Standard DIP LED	White color	302	1. Housing type for concrete pool with niche 2. For fiberglass pool installation 3. For different liner pool installation	×
WL-QJ-LED144BC	12W	12V	144	Standard DIP LED	RGB	168		√
WL-QJ-LED252BB	18W	12V	252	Standard DIP LED	White color	530		×
WL-QJ-LED252BC	18W	12V	252	Standard DIP LED	RGB	257		√
WL-QJ-LED018JTb	18W	12V	54	SMD LED	White color	1185		×
WL-QJ-LED018JTc	18W	12V	54	SMD LED	RGB	245		√
WL-QJ-LED024JTb	24W	12V	72	SMD LED	White color	1240		×
WL-QJ-LED024JTc	24W	12V	72	SMD LED	RGB	375		√
WL-QJ-LED162JTb	18W	12-20V	162	Wide voltage	White color	1500		×
WL-QJ-LED162JTc	18W	12-20V	162	Wide voltage	RGB	970		×
WL-QJ-LED216JTb	24W	12-20V	216	Wide voltage	White color	2150		×
WL-QJ-LED216JTc	24W	12-20V	216	Wide voltage	RGB	1500		×
WL-QJ-LED216HTb	35W	12-20V	216	Wide voltage	White color	2580		×
WL-QJ-LED216HTc	35W	12-20V	216	Wide voltage	RGB	1800		×
WL-QJ-LED16PC	18W	DC12V	16	SMD LED	RGBW	1380		×
WL-QJP300	300W	12V	—	PAR56 halogen lamp	—	—		×



## WL-QMC/QNV

### Main features:

- Material: plastic.
- Safety low voltage: AC12V.
- Standard cable: 2.0meter.
- Waterproof standard: IP68.
- Color: cool white, warm white, RGB and single blue.
- RGB mode features 19 pre-programmed lighting patterns.
- Installation mode: Housing type and above ground pool.



WL-QMC

Concrete pool light



WL-QNV

Fiberglass pool

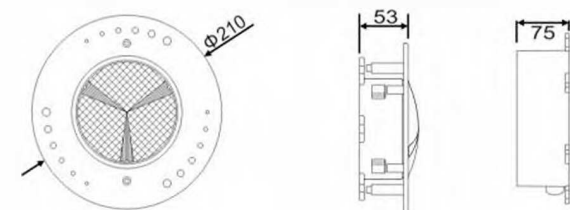
### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QMC-LED036HB	3W	12V	36	High quality DIP LED	White color	95	Concrete pool
WL-QMC-LED036HC	3W	12V	36	High quality DIP LED	RGB	42	Concrete pool
WL-QMC-LED072HB	6W	12V	72	High quality DIP LED	White color	188	Concrete pool
WL-QMC-LED072HC	6W	12V	72	High quality DIP LED	RGB	70	Concrete pool
WL-QNV-LED036HB	3W	12V	36	High quality DIP LED	White color	95	Fiberglass pool
WL-QNV-LED036HC	3W	12V	36	High quality DIP LED	RGB	42	Fiberglass pool
WL-QNV-LED072HB	6W	12V	72	High quality DIP LED	White color	188	Fiberglass pool
WL-QNV-LED072HC	6W	12V	72	High quality DIP LED	RGB	70	Fiberglass pool

## WL-QP

### Main features:

- Standard cable: 2.0meters.
- Waterproof: IP68.
- Installation style: housing type.
- Color: cool white, warm white, RGB and single blue.
- RGB mode features 19 pre-programmed lighting patterns.



### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QPB-LED072HB	6W	12V	72	High quality DIP LED	White color	188	Housing type
WL-QPB-LED072HC	6W	12V	72	High quality DIP LED	RGB	70	Housing type

## WL-QQC



QQC mode light is an ultra-thin series light with niche for concrete pool installation. Its smooth front plate provides simplicity yet elegant.

### Main features:

- Material: ABS body+stainless steel base.
- Standard cable: 2.0meters.
- Waterproof: IP68.
- Installation mode: Housing type for concrete pool.
- Color: cool white, warm white, RGB and single blue.
- RGB mode features 19 pre-programmed lighting patterns.
- Color temperature: cool white 6000K, warm white 3000K.

### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QQC-LED012PB	12W	12V	12	High power	White color	885	Housing type
WL-QQC-LED012PC	12W	12V	12	High power	RGB	200	Housing type
WL-QQC-LED024PB	24W	12V	24	High power	White color	1300	Housing type
WL-QQC-LED024PC	24W	12V	24	High power	RGB	352	Housing type
WL-QQC-LED036PB	36W	12V	36	High power	White color	1395	Housing type
WL-QQC-LED036PC	36W	12V	36	High power	RGB	410	Housing type

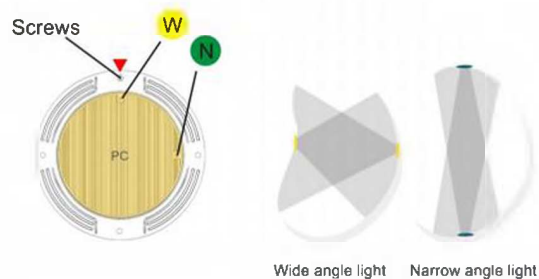
## WL-QW



Classic niche

Ultra thin niche (standard)

Laswim QW model light features wide beam and narrow beam patterns by rotating lens 90°. QW light has two kinds niches for selection: ultra thin niche and classic niche. Ultra niche is special designed to fit any pool structure with thin concrete wall.



Wide angle light

Narrow angle light

### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QW-LED024JTB	24W	12V	72	SMD LED	White color	1240	Housing type
WL-QW-LED024JTC	24W	12V	72	SMD LED	RGB color	375	Housing type

## WL-QSG

QSG series is stainless steel LED light with simplicity and elegant design, anti-corrosive and well cooling operation. This ultra thin niche is designed to fit any pool structure with a thin concrete wall.

### Features:

- Low voltage: AC12V & AC12-20V(variable voltage).
- Low power consumption, low heat while working.
- High brightness, strong light transmission.
- IP 68 waterproof standard.



Very convenient wiring

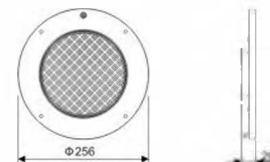
Classic and ultra niches are available to mount QSG light.



Ultra thin niche  
(standard)



Classic niche  
(Optional)



### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QSG-LED012PB	12W	12V	12	High power LED	White color	885	Housing type
WL-QSG-LED012PC	12W	12V	12	High power LED	RGB	200	Housing type
WL-QSG-LED024PB	24W	12V	24	High power LED	White color	1300	Housing type
WL-QSG-LED024PC	24W	12V	24	High power LED	RGB	256	Housing type
WL-QSG-LED036PB	36W	12V	36	High power LED	White color	1395	Housing type
WL-QSG-LED036PC	36W	12V	36	High power LED	RGB	487	Housing type
WL-QSG-LED072TB	6W	12V	72	Resin filled	White color	255	Housing type
WL-QSG-LED072TC	6W	12V	72	Resin filled	RGB	90	Housing type
WL-QSG-LED144TB	12W	12V	144	Resin filled	White color	455	Housing type
WL-QSG-LED144TC	12W	12V	144	Resin filled	RGB	110	Housing type
WL-QSG-LED252TB	18W	12V	252	Resin filled	White	885	Housing type
WL-QSG-LED252TC	18W	12V	252	Resin filled	RGB	255	Housing type
WL-QSG-LED324TB	24W	12V	324	Resin filled	White	1075	Housing type
WL-QSG-LED324TC	24W	12V	324	Resin filled	RGB	355	Housing type
WL-QSG-LED162JTB	18W	12-20V	162	Resin filled	White color	1370	Housing type
WL-QSG-LED162JTC	18W	12-20V	162	Resin filled	RGB	880	Housing type
WL-QSG-LED216JTB	24W	12-20V	216	Resin filled	White color	1950	Housing type
WL-QSG-LED216JTC	24W	12-20V	216	Resin filled	RGB	1300	Housing type

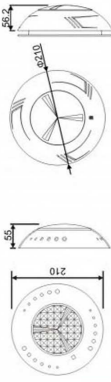
### WL-QSG.2 Non-resin filled LED

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-QSG.2-LED162JTB	18W	12-20V	162	Wide voltage	White color	1500	Housing type
WL-QSG.2-LED162JTC	18W	12-20V	162	Wide voltage	RGB	970	Housing type
WL-QSG.2-LED216JTB	24W	12-20V	216	Wide voltage	White color	2150	Housing type
WL-QSG.2-LED216JTC	24W	12-20V	216	Wide voltage	RGB	1500	Housing type
WL-QSG.2-LED216HTB	35W	12-20V	216	Wide voltage	White color	2580	Housing type
WL-QSG.2-LED216HTC	35W	12-20V	216	Wide voltage	RGB	1800	Housing type

## WL-BPB/BPC

Main features:

- Material: anti-UV ABS.
- Safety low voltage: AC12V.
- Installation mode: wall-mounted type.
- Color: cool white, warm white, RGB and single blue.
- Color temperature: cool white 6000K, warm white: 3000K.



WL-BPB WL-BPC

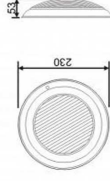
TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-BPB-LED072BB	6W	12V	72	Standard DIP LED	White color	150	Wall mounted type
WL-BPB-LED072BC	6W	12V	72	Standard DIP LED	RGB	88	Wall mounted type
WL-BPC-LED006JTB	6W	12V	18	SMD LED	White color	485	Wall mounted type
WL-BPC-LED006JTC	6W	12V	18	SMD LED	RGB	85	Wall mounted type
WL-BPC-LED012JTB	12W	12V	36	SMD LED	White color	903	Wall mounted type
WL-BPC-LED012JTC	12W	12V	36	SMD LED	RGB	215	Wall mounted type

## WL-PE

Main features:

- Material: Stainless steel.
- Lens: PC.
- Safety low voltage: AC12V.
- Installation mode: wall-mounted type.
- Color: cool white, warm white, RGB and single blue.
- Cable: 2 meters.



TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-PE-LED072BB	6W	12V	72	Standard DIP LED	White color	150	Wall mounted type
WL-PE-LED072BC	6W	12V	72	Standard DIP LED	RGB	88	Wall mounted type
WL-PE-LED144BB	12W	12V	144	Standard DIP LED	White color	302	Wall mounted type
WL-PE-LED144BC	12W	12V	144	Standard DIP LED	RGB	168	Wall mounted type
WL-PE-LED252BB	18W	12V	252	Standard DIP LED	White color	500	Wall mounted type
WL-PE-LED252BC	18W	12V	252	Standard DIP LED	RGB	245	Wall mounted type
WL-PE-LED006JTB	6W	12V	18	SMD LED	White color	485	Wall mounted type
WL-PE-LED006JTC	6W	12V	18	SMD LED	RGB	85	Wall mounted type
WL-PE-LED012JTB	12W	12V	36	SMD LED	White color	903	Wall mounted type
WL-PE-LED012JTC	12W	12V	36	SMD LED	RGB	215	Wall mounted type
WL-BPE075	75W	12V	Lamp bead and PC lens	---	---	---	Wall mounted type
WL-BPE100	100w	12V	Lamp bead and PC lens	---	---	---	Wall mounted type

## WL-PA

Laswim PA series lights stainless steel material with gliding and elegant design and good heat radiation. Nicheless flat light directly to mount to pool wall with bracket plate, simple and convenient. PC and tempered glass lens are available to select in this series lights.



TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-PA-LED252BB	18W	12V	252	Standard DIP LED	White color	530	Wall mounted type
WL-PA-LED252BC	18W	12V	252	Standard DIP LED	RGB	257	Wall mounted type
WL-PA-LED012PB	12W	12V	12	High power	White color	885	Wall mounted type
WL-PA-LED012PC	12W	12V	12	High power	RGB	200	Wall mounted type
WL-PA-LED024PB	24W	12V	24	High power	White color	1300	Wall mounted type
WL-PA-LED024PC	24W	12V	24	High power	RGB	352	Wall mounted type
WL-PA-LED036PB	36W	12V	36	High power	White color	1395	Wall mounted type
WL-PA-LED036PC	36W	12V	36	High power	RGB	410	Wall mounted type
WL-BPA100	100W	12V	Lamp bead and toughened glass lens	---	---	---	Wall mounted type
WL-BPA150	150W	12V	Lamp bead and toughened glass lens	---	---	---	Wall mounted type
WL-BPC150	150W	12V	Lamp bead and pc lens	---	---	---	Wall mounted type

## WL-PE

Main features:

- Stainless steel, non-corrosion and well cooling operation.
- Light source: 12W SMD led light+ 6W high power LED light.
- No flicker, high purify, soft light, no glare.
- High brightness (high lumen), strong light transmission.
- Low power consumption, low heat while working.
- Wall-mounted type, easy to install.
- Safety low voltage: AC 12-20V.
- IP68 waterproof standard.
- Color: cool white, warm white, RGB mixing



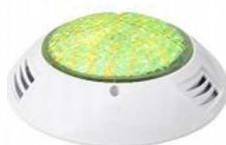
TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)
WL-PE-LED87JTBW	18W	12-20V	87	81pcs SMD leds white color, 6pcs high power leds white color	White color	1500
WL-PE-LED87JTCW	18W	12-20V	87	81pcs SMD leds RGB color, 6pcs high power leds white color	RGB+white	900

# WL-PS/PSC



Remote control (optional)



WL-PS

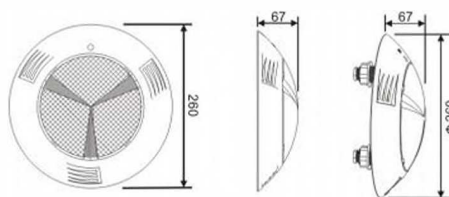


WL-PSC



### Main feature:

- Flat LED light, wall-mounted, easy to install.
- With mounting accessories able to install in above ground pool.
- Safety low voltage: AC12V/AC12-20V.
- Different lamp source bring you different effect.
- The built-in remote control allows you to manage your swimming pool more conveniently and easily.
- Waterproof standard: IP68.



mounting part for above ground pool

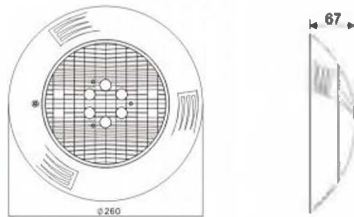
### TECHNICAL DATA

Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Installation type	Optional remote control
WL-PS-LED216JTB	24W	12V-20V	216	Wide voltage	White color	2150	Wall mounted type & Above ground pool	x
WL-PS-LED216JTC	24W	12V-20V	216	Wide voltage	RGB	1500	Wall mounted type & Above ground pool	x
WL-PSC-LED216JTB	24W	12V-20V	216	Wide voltage	White color	2150	Wall mounted type & Above ground pool	x
WL-PSC-LED216JTC	24W	12V-20V	216	Wide voltage	RGB	1500	Wall mounted type & Above ground pool	x
WL-PS-LED072BB	6W	12V	72	Standard DIP LED	White color	150	Wall mounted type & Above ground pool	x
WL-PS-LED072BC	6W	12V	72	Standard DIP LED	RGB	88	Wall mounted type & Above ground pool	√
WL-PS-LED144BB	12W	12V	144	Standard DIP LED	White color	302	Wall mounted type & Above ground pool	x
WL-PS-LED144BC	12W	12V	144	Standard DIP LED	RGB	168	Wall mounted type & Above ground pool	√
WL-PS-LED252BB	18W	12V	252	Standard DIP LED	White color	530	Wall mounted type & Above ground pool	x
WL-PS-LED252BC	18W	12V	252	Standard DIP LED	RGB	257	Wall mounted type & Above ground pool	√
WL-PS-LED018JTB	18W	12V	54	SMD LED	White color	1185	Wall mounted type & Above ground pool	x
WL-PS-LED018JTC	18W	12V	54	SMD LED	RGB	245	Wall mounted type & Above ground pool	√
WL-PSC-LED018JTB	18W	12V	54	SMD LED	White color	1185	Wall mounted type & Above ground pool	x
WL-PSC-LED018JTC	18W	12V	54	SMD LED	RGB	245	Wall mounted type & Above ground pool	√
WL-BPS075	75W	12V		Lamp bead	---	---	Wall mounted type & Above ground pool	----
WL-BPS100	100W	12V		Lamp bead	---	---	Wall mounted type & Above ground pool	----

## WL-PS

### Main feature:

- Light source: 18W SMD led light+ 6W high power LED light.
- No flicker, high purify, soft light, no glare.
- High brightness (high lumen), strong light transmission.
- Low power consumption, low heat while working.
- Wall-mounted type, easy to install.
- Safety low voltage: AC 12-20V.
- IP68 waterproof standard.
- Color: cool white, warm white, RGB mixing



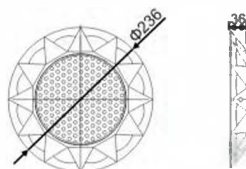
### TECHNICAL DATA

Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)
WL-PS-LED168JTBW	24W	12-20V	168	162pcs SMD leds white color, 6pcs high power leds white color	White color	2100
WL-PS-LED168JTCW	24W	12-20V	168	162pcs SMD leds RGB color, 6pcs high power leds white color	RGB+white	1400

## WL-PQ

### Main features:

- It's special made of stainless steel base much better heat radiation for high power lamp than other models.
- Material: ABS surface ring+stainless steel base.
- Lamp source: big power led lamp.
- Installation mode: wall-mounted type .
- Color: cool white, warm white, RGB and single blue.
- RGB mode features 19 pre-programmed lighting patterns.
- Color temperature: cool white 6000K, warm white: 3000K.



### "PQ" SERIES LED FLAT UNDERWATER LIGHTS

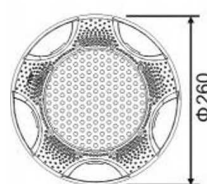
Model	Power(W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type
WL-PQ-LED012PB	12W	12V	12	High power	White color	885	Wall mounted type
WL-PQ-LED012PC	12W	12V	12	High power	RGB	200	Wall mounted type
WL-PQ-LED024PB	24W	12V	24	High power	White color	1300	Wall mounted type
WL-PQ-LED024PC	24W	12V	24	High power	RGB	352	Wall mounted type
WL-PQ-LED036PB	36W	12V	36	High power	White color	1395	Wall mounted type
WL-PQ-LED036PC	36W	12V	36	High power	RGB	410	Wall mounted type

## WL-PX



### Main feature:

- Flat LED light, wall-mounted, easy to install.
- With mounting accessories able to install in above ground pool.
- Safety low voltage: AC12V/AC12-20V.
- Different lamp source bring you different effect.
- The built-in remote control allows you to manage your swimming pool more conveniently and easily.
- Waterproof standard: IP68.



Built-in remote control system let you to manage your pool more convenient and easily.

### TECHNICAL DATA

Model	Power (W)	Voltage(V)	LED QTY	Light source	Color	Lumination (lux)	Installation type	Optional remote control
WL-PX-LED216JTB	24W	12V-20V	216	Wide voltage	White color	2150	Wall mounted type	×
WL-PX-LED216JTC	24W	12V-20V	216	Wide voltage	RGB	1500	Wall mounted type	×
WL-PX-LED072BB	6W	12V	72	Standard DIP LED	White color	150	Wall mounted type	×
WL-PX-LED072BC	6W	12V	72	Standard DIP LED	RGB	88	Wall mounted type	×
WL-PX-LED144BB	12W	12V	144	Standard DIP LED	White color	302	Wall mounted type	×
WL-PX-LED144BC	12W	12V	144	Standard DIP LED	RGB	168	Wall mounted type	×
WL-PX-LED252BB	18W	12V	252	Standard DIP LED	White color	530	Wall mounted type	×
WL-PX-LED252BC	18W	12V	252	Standard DIP LED	RGB	257	Wall mounted type	×
WL-PX-LED018JTB	18W	12V	54	SMD LED	White color	1185	Wall mounted type	×
WL-PX-LED018JTC	18W	12V	54	SMD LED	RGB	245	Wall mounted type	√

## WL-PAR56



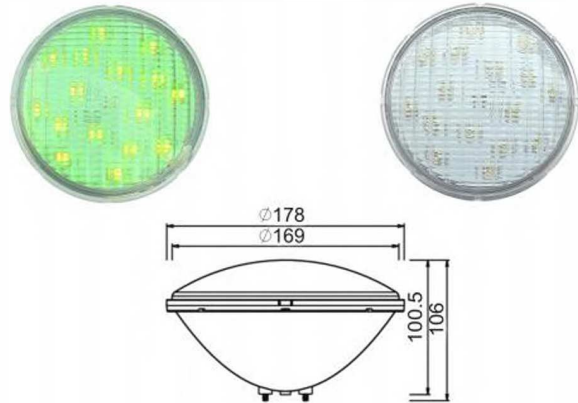
Remote control (optional)

### RGB and RGBW

- Common RGB LED bulbs are made by three colours of red, green and blue and create gradients, blinks and blending modes.
- RGBW contains four colors of red, green, blue and white, and expands to millions colours and changing modes to create natural cool white, warm white and infinity other colours

### Main features:

- Standard PAR56 lamp install into standard PAR56 niche.
- Curved PC lens expands the light refraction, and the crystal lens brings high brightness.
- Different LED lamps in option.
- Monochrome and multicolor are available.

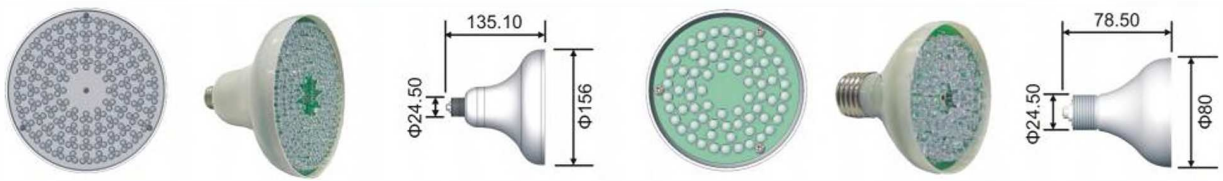


### LED PAR56 BULBS

Model	Power (W)	Voltage (V)	LED QTY	Light source	Color	Lumination (lux)	Optional: remote control
WL-PAR-LED252BB	18W	12V	252	Standard DIP LED	White color	530	×
WL-PAR-LED252BC	18W	12V	252	Standard DIP LED	RGB	257	✓
WL-PAR-LED012PB	12W	12V	12	High power LED	White color	885	×
WL-PAR-LED012PC	12W	12V	12	High power LED	RGB	200	×
WL-PAR-LED024PB	24W	12V	24	High power LED	White color	1300	×
WL-PAR-LED024PC	24W	12V	24	High power LED	RGB	352	×
WL-PAR-LED018JTB	18W	12V	54	SMD LED	White color	1185	×
WL-PAR-LED018JTC	18W	12V	54	SMD LED	RGB	245	✓
WL-PAR-LED024JTB	24W	12V	72	SMD LED	White color	1240	×
WL-PAR-LED024JTC	24W	12V	72	SMD LED	RGB	375	✓
WL-PAR-LED162JTB	18W	12V-20V	162	Wide voltage	White color	1500	×
WL-PAR-LED162JTC	18W	12V-20V	162	Wide voltage	RGB	970	×
WL-PAR-LED216JTB	24W	12V-20V	216	Wide voltage	White color	2150	×
WL-PAR-LED216JTC	24W	12V-20V	216	Wide voltage	RGB	1500	×
WL-PAR-LED216HTB	35W	12V-20V	216	Wide voltage	White color	2580	×
WL-PAR-LED216HTC	35W	12V-20V	216	Wide voltage	RGB	1800	×
WL-PAR-LED16PC	18W	DC12V	16	SMD LED	RGBW	1380	×



## E27 LED LIGHT BULBS



### E27 LED LIGHT BULBS

Model	Description	Power (W)	Voltage (V)	Lumination (lux)	Installation type
WL-LED072	Standard size E27 lamp with 72 leds, able to replace traditional 100W/300W incandescent lamp of light with niche	6W	12V	150 (Cool/warm white) 88 (RGB color)	Housing type
WL-LED144	Standard size E27 lamp with 144 leds, able to replace traditional 100W/300W incandescent lamp of light with niche	12W	12V	302 (Cool/warm white) 168 (RGB color)	Housing type
WL-LED252	Standard size E27 lamp with 252 leds, able to replace traditional 100W/300W incandescent lamp of light with niche	18W	12V	530 (Cool/warm white) 257 (RGB color)	Housing type

## TRANSFORMER



### WATER-PROOF TRANSFORMER FOR POOL LIGHTS

Model	Description	Power (W)	Waterproof standard
WL-FSBY50	Transformer 50W, input AC110V/220V, output AC12V	50W	IP44/IP68
WL-FSBY100	Transformer 100W, input AC110V/220V, output AC12V	100W	IP44/IP68
WL-FSBY150	Transformer 150W, input AC110V/220V, output AC12V	150W	IP44/IP68
WL-FSBY200	Transformer 200W, input AC110V/220V, output AC12V	200W	IP44/IP68
WL-FSBY250	Transformer 250W, input AC110V/220V, output AC12V	250W	IP44/IP68
WL-FSBY300	Transformer 300W, input AC110V/220V, output AC12V	300W	IP44/IP68
WL-FSBY400	Transformer 400W, input AC110V/220V, output AC12V	400W	IP44/IP68
WL-FSBY600	Transformer 600W, input AC110V/220V, output AC12V	600W	IP44/IP68

## LIGHT CONTROL BOX

### Features:

- All of the AC 12V input LED lights can be controlled by this system.
- If the system is installed out-of-doors, a housing must be provided to prevent rain and sunlight .
- It is also better to keep the system away from electromagnetism radicalization.
- One system can control the LED lights with total power not more than 100W.
- Electrical overload & leakage protection.
- Easy and simple operation with 4 keys.



### LIGHT CONTROL BOX

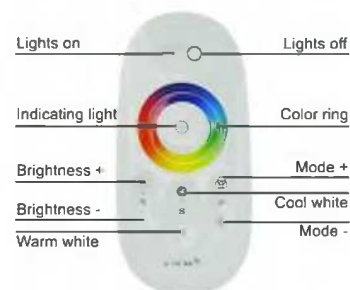
Model	Description	Remote controller	Remote control area
WL-LED-YAQ01	Control box with transformer 100W, input 110-220V, output AC12V	With	100 meters
WL-LED-YAQ02	Control box without transformer, input AC12V, output AC12V	With	100 meters

## RGBW TOUCH CONTROLLER

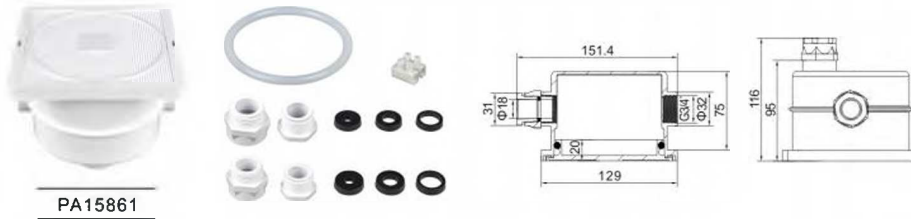
This control system uses the advanced microcomputer technology to easily control the LED underwater lights, with thousands colors and 12 automatic change modes to choose from. With 2.4G wireless high frequency remote control technology, it has the characteristics of lower power consumption, long distance transmission, and strong anti-interference capability, high speed telecommunication, etc. All buttons are with sensitive touch function to achieve color changing and brightness dimming.



- Model: WL-LED-YAQ06.
- Input power: AC100-230V/47-63Hz/1200mA.
- Output power: DC12V/5A/60W.
- Effective control of distance : 30 meters.
- Programs: 12 modes.

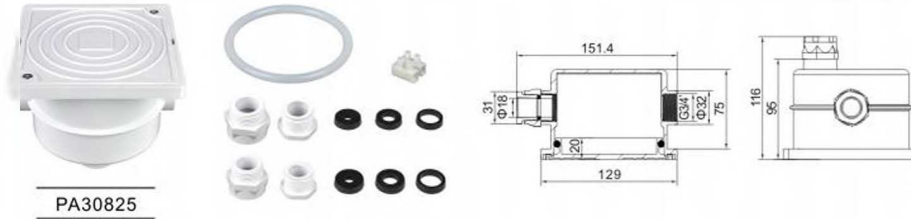


## JUNCTION BOX & FLEXIBLE HOSE



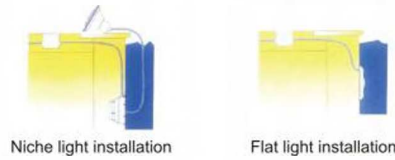
PA15861

Products	Junction Box
Model	PA15861
Colour	White color
Material	ABS



PA30825

Products	Junction Box
Model	PA30825
Colour	White color
Material	ABS



Products	Flexible hose
Model	PA00394
Colour	Gray
Material	ABS
Length	1meter
Connection	3/4" ext. thread

## WATERPROOF WIRE CONNECTORS

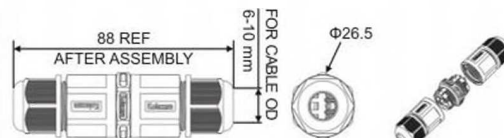
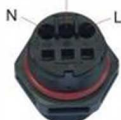


- Model: LS-M20-10
- Description: 2-ways 3-pole wire connector, Cage spring type.
- Cable size: Ø6-10mm, including live wire, neutral wire and earth wire.
- Rated voltage: 300V.
- Rated current: 10A.
- Overvoltage category: III.
- Insulation resistance:  $\geq 100M\Omega$ .
- Operating temperature: -40°C-125°C.
- IP degree protection: IP67/IP68.

Wide Usability: Suitable for fast connection to the outdoor lighting, underwater lighting, underfloor heating, etc. Can be used to repair and extend power cables.

Wiring range:  $\Phi 6-10\text{mm}$

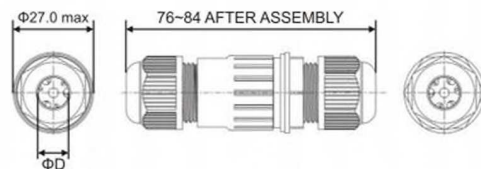
Grounding wire



## WATERPROOF WIRE CONNECTORS

- Model: LS-M20S-11
- Description: 2-ways 3-pole wire connector, Screw type.
- Cable size: Ø7-10.5mm, including live wire, neutral wire and earth wire.
- Rated voltage: 400V.
- Rated current: 10A.
- Overvoltage category: III.
- Insulation resistance:  $\geq 100\text{M}\Omega$ .
- Operating temperature:  $-40^{\circ}\text{C}$ - $125^{\circ}\text{C}$ .
- IP degree protection: IP67/IP68.

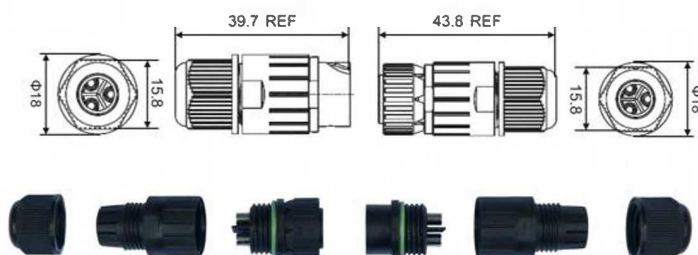
**Wide Usability:** Suitable for fast connection to the outdoor lighting, underwater lighting, underfloor heating, etc. Can be used to repair and extend power cables.

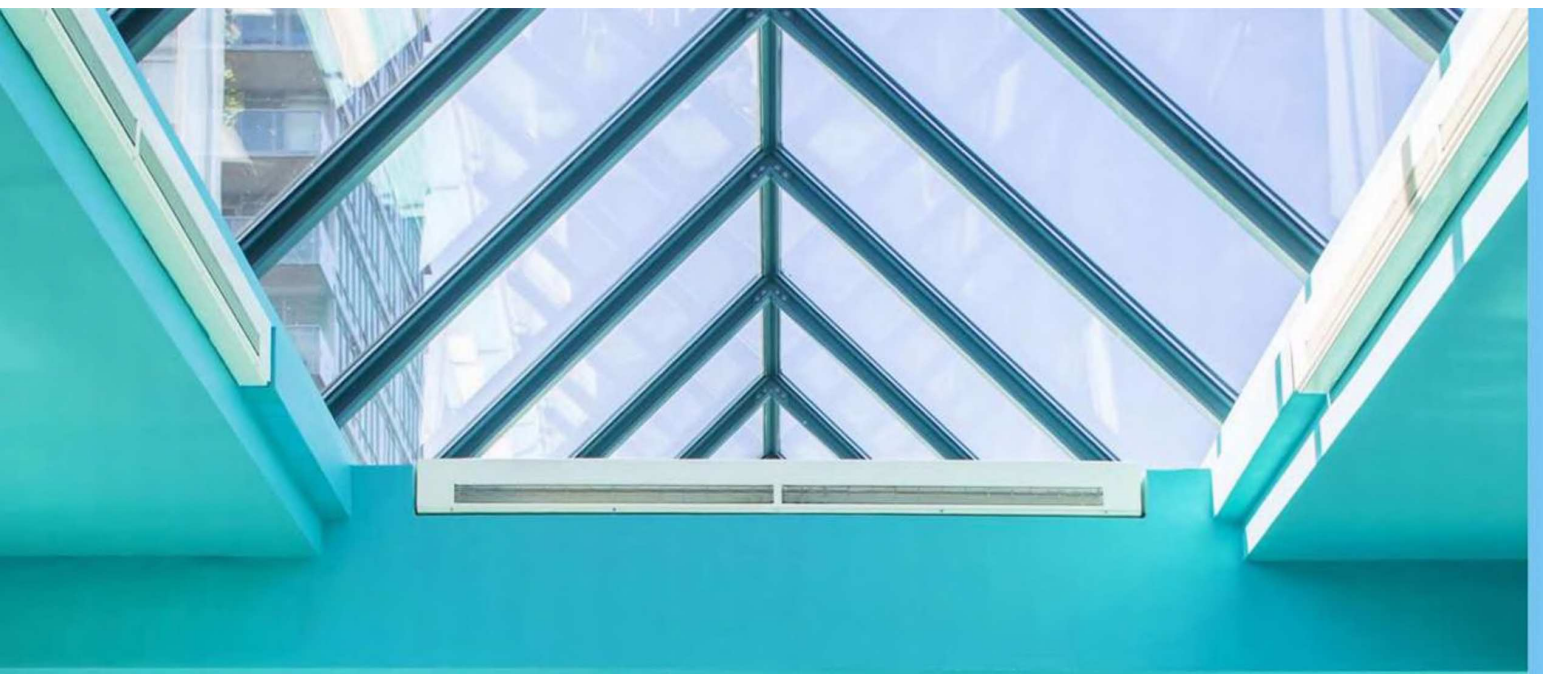


## WATERPROOF WIRE CONNECTORS

- Model: LS-YN1200WN-P.
- Description: 2-ways 2-pin wire connector, plug and play.
- Cable size: Ø3.5-5.5mm, including live wire, neutral wire and earth wire.
- Rated voltage: 230V/AC/DC.
- Rated current: 13A.
- IP degree protection: IP67.

**Wide Usability:** Suitable for fast connection to the outdoor lighting, underwater lighting, underfloor heating, etc. Can be used to repair and extend power cables.





# DISINFECTING EQUIPMENT



HQ/SQ  
SALT CHLORINATOR

## HQ/SQ SALT CHLORINATOR DISINFECTING EQUIPMENT

HQ/SQ salt chlorinator improves your pool water quality by using harmless table salt, instead of using harsh chemicals, it is reliable, low maintenance, much more safety to health. Easy and simple programming and fully automatic operation lets you enjoy a relaxed swimming time.

Salt chlorinators are an alternative means of sanitizing your pool with chlorine by electrolysis process. The electrolysis process is achieved by passing the salty water through an electrolytic cell, sodium chlorine in the water is converted into chlorine to achieve pool water disinfection.



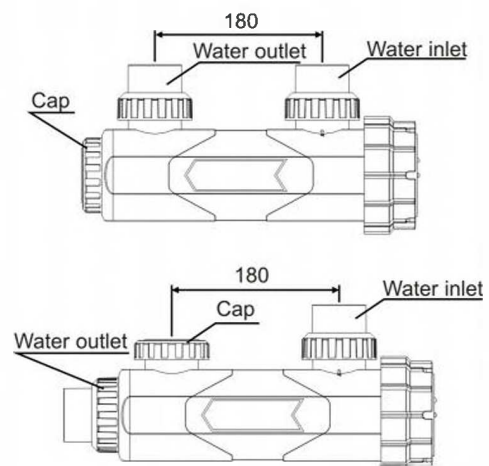
### Features:

- Self clean function: by reverse the polarity automatically, which prevents calcium from accumulating and therefore prolong the cell's lifetime.
- Six different chlorine output control: easy adjustment of chlorine level, to meet demand of different time, this will save energy and environment friendly.
- HQ salt chlorinators are equipped with timer for pump and timer for underwater light.
- Smart cooling: the cooling intensity can be adjustment according to the temperature inside the control box.
- Protect from no adequate water causing the generator or cell destroyed.
- Two optional outlets make the installation more convenient.
- Overheat protection: prolong the control system life span.
- Detachable titanium panels are easy to install, clean and maintain.
- Alarm system: automatic protection for your system and pool if salt level is too low.
- Temperature sensor could be changed separately, reduce the maintenance cost.



HQ salt chlorinator control panel

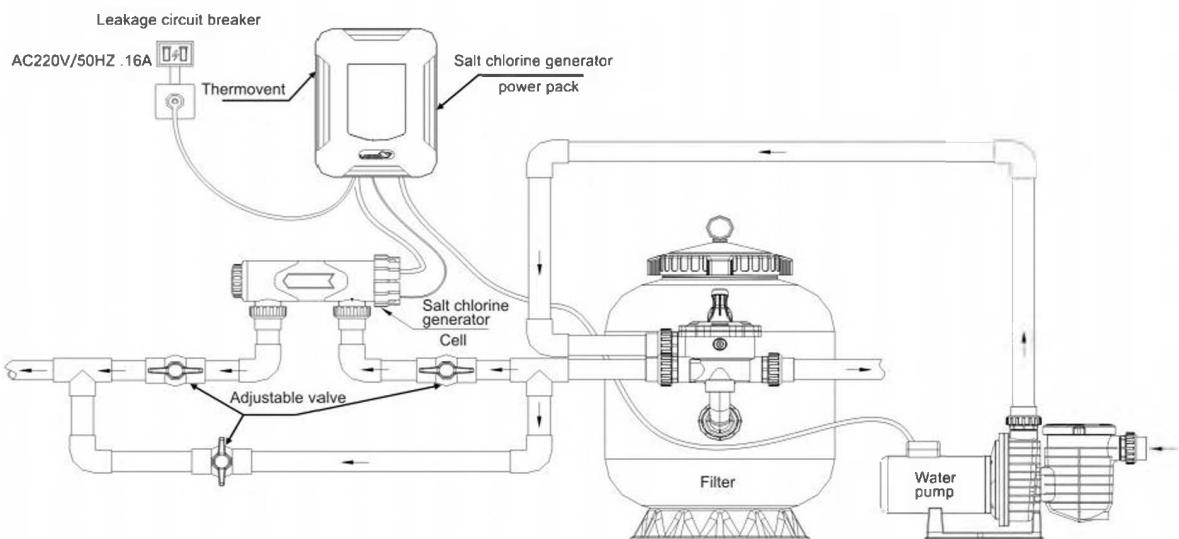
### Humanized design of two outlets





### Titanium panels with fast, efficient and stable chlorine output

- Titanium panels with coating enable to generator chlorine fast, efficiently and stably.
- Cell housing is made of high strength and Corrosion-resistant PC, which prolong the life time.
- Detachable titanium panels are easy to install, clean and daily maintain.
- Two optional outlets make installation more convenient.



HQ salt chlorinators are equipped with timers for pump and underwater light.

Model	Electrolytic cell dimensions LxWxH (mm)	Max Chlorine Output (g/h)	Voltage (V)	Total power (W)	Pump power (Max)	Light power (Max)	Max Pool Volume (m <sup>3</sup> )
HQ 20	365x260x140	16	AC220~240V	1.70KW	1.5KW/6.8A	AC12V/100W	68
HQ 30	365x260x140	25	AC220~240V	1.75KW	1.5KW/6.8A	AC12V/100W	105
HQ 40	365x260x140	33	AC220~240V	1.80KW	1.5KW/6.8A	AC12V/100W	140
HQ 50	365x260x140	42	AC220~240V	1.85KW	1.5KW/6.8A	AC12V/100W	175
SQ 20	365x260x140	16	AC220~240V	0.25KW	---	----	68
SQ 30	365x260x140	25	AC220~240V	0.25KW	---	----	105
SQ 40	365x260x140	33	AC220~240V	0.25KW	---	----	140
SQ 50	365x260x140	42	AC220~240V	0.25KW	---	----	175

**Note:**

- In practice, the local pool standards and professional habits should be considered, and the adjusting allowance of 20-30% should be reserved.
- For outdoor pool, cyanuric acid(stabilizer) should be added to pool water, the ideal range for cyanuric acid is 25-50ppm when used.



## EC SALT CHLORINE GENERATORS DISINFECTING EQUIPMENT

The LASWIM EC Series Salt Chlorinator applied advanced micro-computer technology and customer oriented design, to provide the most energy saving and environmental friendly method to sanitize small and medium pools. To achieve this simple, smart and safe chlorine production, all the chlorinator require is only salt.

### Featured Highlights:

●Simple

Easy installation, simple operation and maintenance.

●Smart

**Smart adjustment**

Chlorine output is adjustable from 20% to 100% by simply pressing two button, satisfying different needs for different pools.

**Smart cleaning**

Self-cleaning function by reversing the polarity automatically, which prevents calcium from accumulating and therefore prolong the cell's lifetime.

**Smart alarm**

Fault auto alarm with error code, which is easy to find corresponding solutions.

**Smart protection**

When the water temperature is too high or too low, the chlorinator will automatically stop running, in order to protect the unit and prolong the cell's life. The integrated sensors in the cell also ensure that water is adequate for safe chlorine generation.

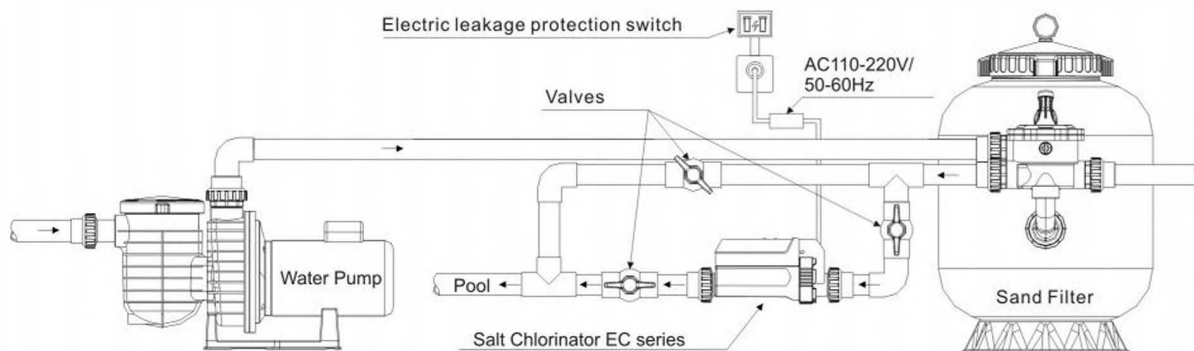


**Smart memory system**

Each time the chlorinator restarts, it can automatically initiate the last work status, with this smart memory function.

●Safe

Safe disinfection, safe water quality, and safe working voltage



Model	Size (mm)	Working Voltage (V)	Working Current (A)	Max Chlorine Output (g/h)	Dia. of Water Inlet and Outlet	Max Pool Volume (m <sup>3</sup> )
EC 8	387x122x152	DC 24	4	8	1.5"/50mm	35
EC 12	387x122x152	DC 24	4	12	1.5"/50mm	50
EC 16	387x122x152	DC 24	4	16	1.5"/50mm	68
EC 20	387x122x152	DC 24	4	20	1.5"/50mm	85

Note: ● In practice, the local pool standards and professional habits should be considered, and the adjusting allowance of 20-30% should be reserved.  
● For outdoor pool, cyanuric acid (stabilizer) should be added to pool water, the ideal range for cyanuric acid is 25-50ppm when used.

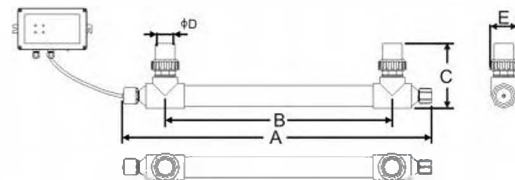
## UV STERILIZER DISINFECTING EQUIPMENT

UV sterilizer is an effective product to destroy the genetic structure of bacterial and viruses, and inhibits their ability to multiply, rendering them harmless.

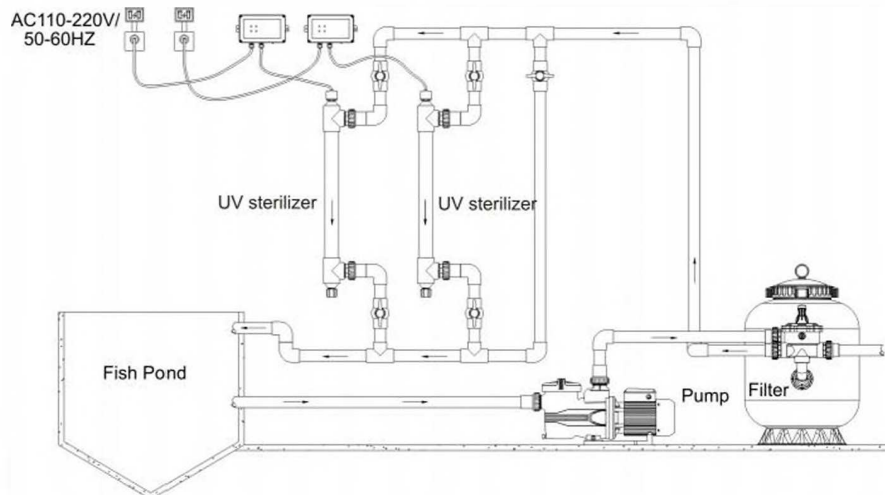


### Features:

- High quality UV-C lamp that achieve 98% sterilization rate
- Durable UV-C lamp more than 8,000 hours life time
- High quality quartz Sleeve has more than 90%transmittance rate
- Available in 50Hz or 60Hz when request.
- Application in swimming pool and fish pond



A(mm)	900	900	1055	1200
B(mm)	662	662	817	962
C(mm)	235	235	235	235
E(mm)	101	101	101	101



Model	Power (W)	flow rate (m <sup>3</sup> /h)	Voltage (V)	Lamp quantity	Pipe size (inch/mm)	fish pond volume (m <sup>3</sup> )	pool volume (m <sup>3</sup> )
WL-UVD40	40	5	220	1	1.5" 50mm	15	30
WL-UVD80	80	8	220	1	1.5" 50mm	24	48
WL-UVD100	100	10	220	1	1.5" 50mm	30	60
WL-UVD120	120	12	220	1	1.5" 50mm	36	72

# UV STERILIZER

## DISINFECTING EQUIPMENT

### Features:

- Special safe design for public swimming pool and private pool. No risk to swimmer because of safety voltage of 12V.
- Different from the normal revolving design, it adopts particular buckle for UV tube to avoid its damage during installation.
- It uses purely physical method to sterilize the pool water, no chemical residue, non-corrosive, non-toxic side effect after sterilizing by UV sterilizer. No health hazards to human skin and body.
- Compared with CH and ozone generator, UV sterilizer is easy to install, economical and low maintenance too.
- A humanistic design to caution the working situation of UV sterilizer by LED light, and this make the repair and maintenance so easy.
- The sterilization rate of bacteria and virus could reach 99% to 99.9% within 2s, includes flu, hepatitis virus, coli, staphylococci, bacillus subtilis, etc.



WL-UV14x2



WL-UV14x18

Model	Size (mm)	Power (W)	Design Flow (m <sup>3</sup> /h)	Voltage (V)	Lamp Quantity	Inlet /Outlet (Inch)	Life	Ballast
WL-UV14x2	460x125x320	28	1.5~2	12	14Wx2	1.5"	8000 ~ 10000	Inductance / Electron
WL-UV14x4	L700xΦ170	56	3~4	12	14Wx4	1.5"	8000 ~ 10000	Inductance / Electron
WL-UV14x6	L700xΦ170	84	5~6	12	14Wx6	1.5"	8000 ~ 10000	Inductance / Electron
WL-UV14x8	L700xΦ170	112	7~8	12	14Wx8	1.5"	8000 ~ 10000	Inductance / Electron
WL-UV14x10	L700xΦ170	140	9~10	12	14Wx10	1.5"	8000 ~ 10000	Inductance / Electron
WL-UV14x12	L700xΦ170	168	11~12	12	14Wx12	2.0"	8000 ~ 10000	Inductance / Electron
WL-UV14x14	L700xΦ170	196	13~14	12	14Wx14	2.0"	8000 ~ 10000	Inductance / Electron
WL-UV14x16	L700xΦ170	224	15~16	12	14Wx16	2.0"	8000 ~ 10000	Inductance / Electron
WL-UV14x18	L700xΦ170	252	17~18	12	14Wx18	2.0"	8000 ~ 10000	Inductance / Electron
WL-UV14x20	L700xΦ170	280	18~20	12	14Wx20	2.0"	8000 ~ 10000	Inductance / Electron

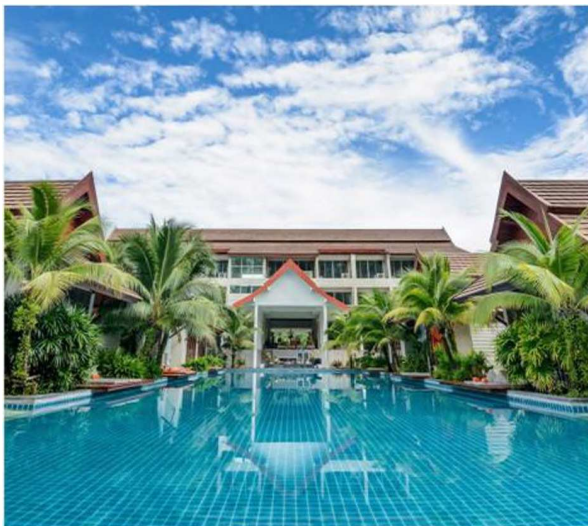
## UV STERILIZER DISINFECTING EQUIPMENT



Thread connection



Flange connection



Ultraviolet is accepted all over the world as a reliable, cost-effective and above all environmentally friendly aquarium water disinfection solution.

UV-C radiation destroys the genetic structure of bacteria and Viruses, and inhibits their ability to multiply, rendering them harmless.

### Features:

- Physical sterilization, no side effects, no secondary pollution.
- Simple, efficient, small occupation.

WL-UVC series full flow ultraviolet disinfectant device uses a special made high power ozone free ultraviolet germicidal lamp. The device is also equipped with a micro carbon austenite stainless steel barrel with a specially processed interior, while the exterior of the barrel is also specially polished. The result of this is the water passing the barrel would be radiated and receive 253.7nm (UVC) of ultraviolet with passing through the barrel, providing a excellent disinfectant effect.

### Features:

- The reactor use 304 polished stainless steel, the smooth interior leaves no blind spot for sterilization.
- The ultraviolet light tube is equipped with a quartz sleeve, to ensure optimal working temperature.
- The electrical configuration of the device is suitable to most electrical specifications.
- Special exterior design makes the device convenient to use.
- All rounded sterilization, highly efficient, sterilization rate up to 99.9%.
- High output, physical sterilization, no side effects, no secondary pollution.
- The amount of water that can be sterilized ranges from 5.5-250T/H. The device adapts to swimming pools, spa and water parks of various sizes.

# UV STERILIZER

## DISINFECTING EQUIPMENT

Model	Power (W)	Rated flow (m <sup>3</sup> /h)	Working voltage (V)	Cabinet	Cabinet size L×D×H (mm)	Control box		Lamp power W x Qty	Inlet & outlet diameter DN
						With/without	Material		
WL-UVCn-78	78	5.5	220V/50Hz	304SS	930×108×720	With	Painted carbon steel	39W×2	Dn32 screw
WL-UVCn-160	160	12	220V/50Hz	304SS	930×108×720	With	Painted carbon steel	80W×2	Dn50 screw
WL-UVC-240	240	20	220V/50Hz	304SS	930×159×780	With	Painted carbon steel	80W×3	Dn65
WL-UVC-320	320	25	220V/50Hz	304SS	930×159×780	With	Painted carbon steel	80W×4	Dn80
WL-UVC-465	465	35	220V/50Hz	304SS	1630×219×830	With	Painted carbon steel	155W×3	Dn100
WL-UVC-620	620	45	220V/50Hz	304SS	1630×219×830	With	Painted carbon steel	155W×4	Dn80 or 100
WL-UVC-775	775	60	220V/50Hz	304SS	1630×219×1080	With	Painted carbon steel	155W×5	Dn150
WL-UVC-930	930	80	220V/50Hz	304SS	1630×325×1180	With	Painted carbon steel	155W×6	Dn150
WL-UVC-1280	1280	90	220V/50Hz	304SS	1630×325×1180	With	Painted carbon steel	320W×4	Dn150
WL-UVCP-1085	1085	100	220V/50Hz	304SS	1630×325×1180	With	Painted carbon steel	155W×7	Dn150
WL-UVCP-1395	1395	125	220V/50Hz	304SS	1630×325×1200	With	Painted carbon steel	155W×9	Dn150
WL-UVCP-1600	1600	110	220V/50Hz	304SS	1630×325×1400	With	Painted carbon steel	320W×5	Dn150
WL-UVCP-1705	1705	150	220V/50Hz	304SS	1630×325×1500	With	Painted carbon steel	155W×11	Dn200
WL-UVCP-1920	1920	130	220V/50Hz	304SS	1630×325×1500	With	Painted carbon steel	320W×6	Dn150
WL-UVCP-2240	2240	150	220V/50Hz	304SS	1630×377×1500	With	Painted carbon steel	320W×7	Dn200
WL-UVCP-2560	2560	180	220V/50Hz	304SS	1630×377×1500	With	Painted carbon steel	320W×8	Dn200
WL-UVCP-2880	2880	200	220V/50Hz	304SS	1630×377×1500	With	Painted carbon steel	320W×9	Dn200
WL-UVCP-3840	3840	250	220V/50Hz	304SS	1630×426×1500	With	Painted carbon steel	320W×12	Dn250

- Note:
- Lamp service life ≥9000H
  - UVCn: thread connection; UVC: flange connection; UVCP: flange connection; all the control box are painted carbon steel.
  - Can be equipped with manual cleaning device, automatic flushing device, or advanced online monitoring instrument and remote control system.



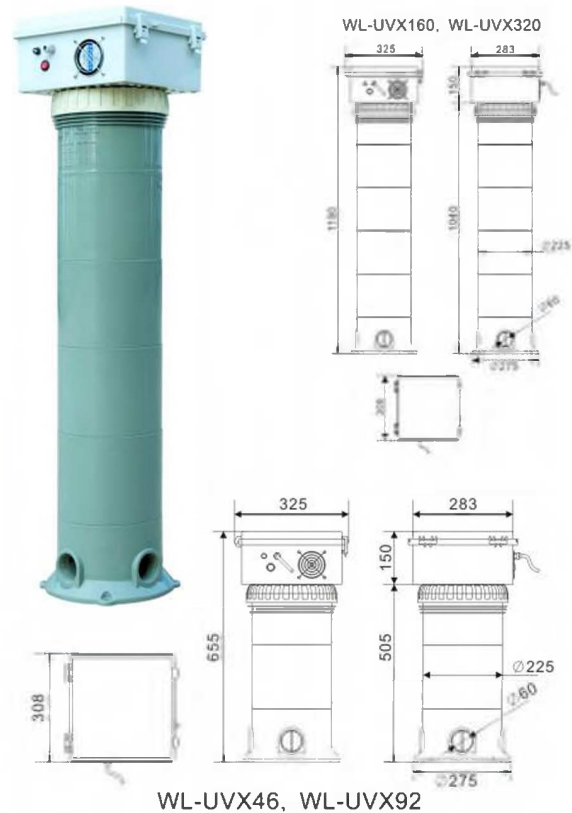
## UVX SERIES UV STERILIZER FOR SEAWATER DISINFECTING EQUIPMENT

Specially designed for sea water environment. The housing is made of high quality PVC, which is anti-corrosion and durable. Equipped with UV-C lamp and high purity quartz sleeves for high efficient and long term sterilization. The disinfection process is fully closed, with sound and light alarm device, no chemical reaction and by-products.

### Advantages:

- High quality UV-C lamp which can achieve 99% sterilization rate.
- Stable and accurate dosage, service life of lamp is more than 10,000 hours.
- Excellent quartz tube provides transmittance over 99%.
- Safe and reliable operation, simplified operation and reduced maintenance.

Model	Flow rate (m <sup>3</sup> /h)	Total power (W)	Voltage (V)	Connection size (mm)
WL-UVX46	5	46	220/50Hz	DN63
WL-UVX92	8	92	220/50Hz	DN63
WL-UVX160	15	160	220/50Hz	DN63
WL-UVX320	25	320	220/50Hz	DN63



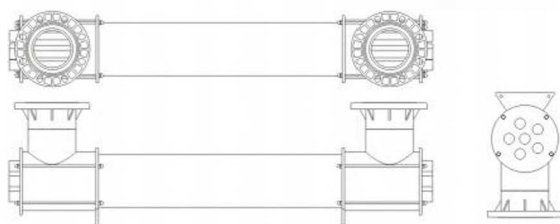
DISINFECTING EQUIPMENT

## UVD SERIES UV STERILIZER FOR SEAWATER

The housing is made of PVC, the internal reactor is made of polished and passivated stainless steel, which is corrosion resistant and durable. Equipped with high quality UV lamps to ensure high efficient and long term sterilization. The disinfection process is fully closed, no chemical reaction and by-products. Suitable for aquarium, aquaculture, swimming pools, hot springs and other water environments.

### Advantages:

- High quality UV-C lamp which can achieve 99% sterilization rate.
- Stable and accurate dosage, service life of lamp is more than 10,000 hours.
- Excellent quartz tube provides transmittance over 99%.
- Safe and reliable operation, simplified operation and reduced maintenance.



Model	Flow rate (m <sup>3</sup> /h)	Total power (W)	Voltage (V)	Connection size (mm)
WL-UVD300	25	300	220/50Hz	DN100
WL-UVD600	60	600	220/50Hz	DN150
WL-UVD900	80	900	220/50Hz	DN150
WL-UVD1200	100	1200	220/50Hz	DN200
WL-UVD1500	120	1500	220/50Hz	DN200
WL-UVD1800	140	1800	220/50Hz	DN200
WL-UVD2100	160	2100	220/50Hz	DN250
WL-UVD2400	180	2400	220/50Hz	DN250
WL-UVD2700	200	2700	220/50Hz	DN250
WL-UVD3000	250	3000	220/50Hz	DN300

## MEDIUM PRESSURE UV STERILIZER DISINFECTING EQUIPMENT

Medium pressure UV is a very effective disinfection method. The energy output of medium-pressure UV is dozens to hundreds of times that of low pressure lamps. Its output wavelength range is wide, between 230nm and 370nm. All bacteria and viruses can be killed. While destroying the DNA structure of the microorganisms, it also breaks down the microorganisms into small fragments, which can permanently inactivate the chlorine-resistant microbial tissues, so that microorganisms completely lose the ability of regeneration and resurrection.

The use of medium pressure ultraviolet in swimming pool and other water environment can not only be used for disinfection, but also decompose chloramine, reduce disinfection by-products, and provide a comfortable and healthy water environment.



### Advantages:

- **Wide range of sterilization**

Can permanently inactivate chlorine-resistant microorganisms, such as *Legionella pneumophila*, *Escherichia coli*, *Pseudomonas*, *Cryptosporidium*, amoeba, bacteria and other disease-causing pathogens.

- **Strong sterilization effect**

Can avoid the occurrence of photoreactivation repair and dark repair of microorganisms' DNA, and has a permanent inactivation effect on microorganisms. There is no resurrection reaction and no flora rebound phenomenon.

- **No secondary pollution**

In the disinfection process, no toxic and harmful by-products will be produced, the composition and properties of the disinfected water will not be changed, and no secondary pollution to the water and the surrounding environment.

- **Continuous disinfection with large water flow**

At present, UV disinfection technology has reached the daily processing capacity of 1.5 million tons of water in practical applications, and it can be larger if necessary. This is not possible for the chlorine and ozone disinfection methods.

- **Low use cost**

The operation and maintenance of disinfection is simple, and the operation cost is very low.

- **Easy to install and operate**

Modular design, easy installation, suitable for complex installation on-site conditions, and will not damage the on-site equipment, pipelines and building structures. Can be installed directly to the pipelines, horizontal and vertical installation is optional.

- **Small footprint and no noise**

The medium-pressure UV sterilizer that processes 10,000 tons of purified water per day requires only 6m<sup>2</sup> of operating space.

- **Decompose residual chlorine in water and degrade compound chlorine**

It has the ability to degrade the chlorine, including monochloramine, dichloroamine, trichloroamine, etc., which effectively eliminates the production of the carcinogen trihalomethane and its impact on human body.

## MEDIUM PRESSURE UV STERILIZER DISINFECTING EQUIPMENT

### Features:

- **Medium pressure UV lamp**

Using medium pressure high-quality American imported Lightsources brand UV lamps with high power, reducing the quantity of lamps and can handle large water flow.

- **Temperature Probe**

Instantly detect the temperature of the water to ensure that the equipment runs at a working temperature of 0-45 degrees.

- **UV intensity probe**

The UV intensity monitor used in the medium pressure UV sterilizer only responds to specific UV wavelengths that have a sterilizing effect. It can be connected with a computer and PLC, which saves power consumption for the operation of the system.

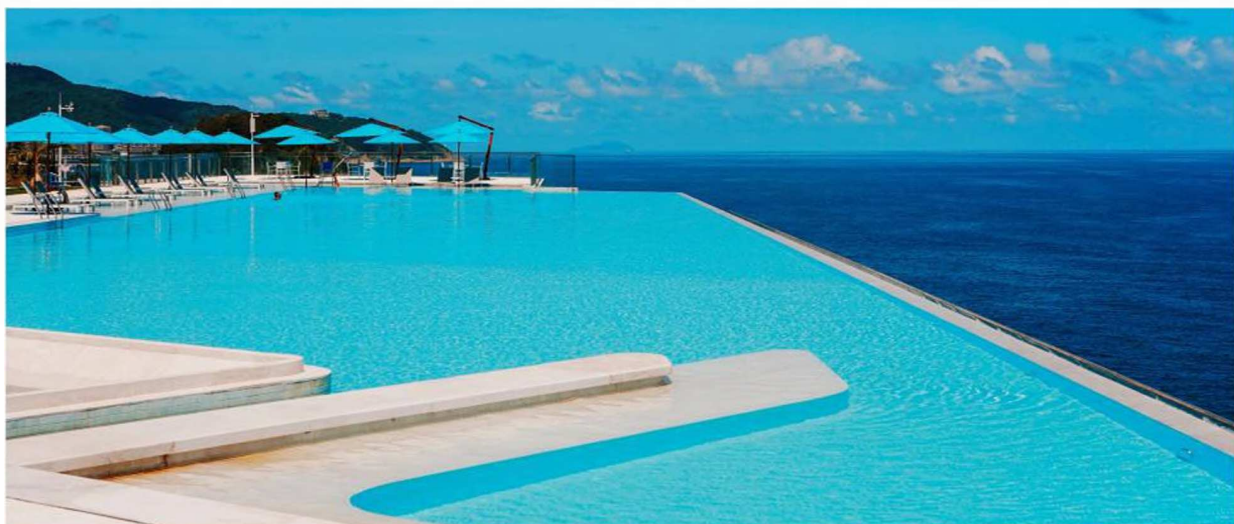
- **Quartz sleeve**

In order to better protect the UV lamps, there will be a quartz sleeve outside each UV lamp. The high-quality quartz sleeve can ensure that the transmittance of UV rays reaches more than 90%.

- **Daily cleaning**

Equipped with an automatic cleaning system, the quartz sleeve can be automatically cleaned regularly according to the reading of the UV intensity detector. During the cleaning process, the system runs normally, without water shut-off or manual participation, which greatly reduces the workload of on-site personnel.

Model	Disinfection power (KW)	Power of each lamp (KW)	Quantity of lamps (pcs)	Water volume (T/H)	Inlet and outlet size	Power supply
WL-UUVC-1/1.0KW	1.0	1.0	1	30-40	DN100	380V/50HZ
WL-UUVC-1/2.0KW	2.0	2.0	1	60-80	DN125	380V/50HZ
WL-UUVC-1/3.0KW	3.0	3.0	1	100-125	DN150	380V/50HZ
WL-UUVC-2/2.0KW	4.0	2.0	2	130-150	DN200	380V/50HZ
WL-UUVC-2/3.0KW	6.0	3.0	2	200-250	DN250	380V/50HZ
WL-UUVC-3/3.0KW	9.0	3.0	3	300	DN250	380V/50HZ
WL-UUVC-4/3.0KW	12.0	3.0	4	450-550	DN300	380V/50HZ
WL-UUVC-5/3.0KW	15.0	3.0	5	600-700	DN350	380V/50HZ
WL-UUVC-6/3.0KW	18.0	3.0	6	750-850	DN400	380V/50HZ
WL-UUVC-7/3.0KW	21.0	3.0	7	1000-1200	DN450	380V/50HZ





## UVM SERIES UV STERILIZER FOR SEAWATER DISINFECTING EQUIPMENT

UVM series UV sterilizer is specially designed for sea water conditions, the reaction chamber is made of noncorrosive and high quality organic material, to ensure a long service life. This UV sterilizer has excellent performance of sterilization and water purification, non-toxic and harmless. It is an ideal solution for aquarium and aquaculture.

### Advantages:

- Simple in-line chamber design for easy installation and maintenance.
- PVC plastic chamber is compatible for fresh water, seawater, chlorine feeder and salt chlorinator.
- Lamp service life: 9000-10000 hours of operation, approximate 12 months of continuous working.
- With over temperature protection, preventing damage from overheating.
- General operation and maintenance: Quartz sleeve is to be cleaned every 6-12 months and to be replaced every 24 months. UV lamp is to be replaced every year for continuing service.



Model	Flow rate (m <sup>3</sup> /h)				Product size (mm)	Connection size (inch)	Voltage (V)	Power (W)	Working pressure (kg/cm <sup>2</sup> )	Working temperature (°C)
	16mj/cm <sup>2</sup>		30mj/cm <sup>2</sup>							
	UVT=80%	UVT=90%	UVT=80%	UVT=90%						
UVMS-1	4.86	5.56	2.60	3.05	D89*786	2	220	33	2.8	2-40
UVMS-2	9.27	10.85	4.97	5.76	D89*786	2	220	65	2.8	2-40
UVMS-3	12.43	14.56	6.55	7.68	D89*946	2	220	85	2.8	2-40
UVMS-4	15.6	18.53	8.36	9.83	D89*1241	2	220	120	2.8	2-40
UVMM-1	5.88	7.23	3.16	3.84	D114*810	2	220	33	2.8	2-40
UVMM-2	11.3	13.9	6.0	7.46	D114*810	2	220	65	2.8	2-40
UVMM-3	15.14	18.53	8.14	9.94	D114*970	2	220	85	2.8	2-40
UVMM-4	19.21	23.73	10.17	12.66	D114*1265	2	220	120	2.8	2-40
UVML-1	24.18	36.61	12.88	19.43	D219*988	2	220	85	2.8	2-40
UVML-2	30.51	46.1	16.16	24.86	D219*1288	2	220	120	2.8	2-40
UVML-3	-	-	19.05	-	D219*988	2	220	125	2.8	2-40
UVML-4	-	-	30.51	-	D219*1288	2	220	225	2.8	2-40

## HIGH CONCENTRATION OZONE WATER GENERATOR DISINFECTING EQUIPMENT

DN-OWS high concentration ozone water generator offers the unique advance oxidation treatment of commercial pool water. The process combines the disinfection and oxidation properties of ozone and UV making the most advanced pool water purification system available.

Widely used in swimming pool and pond.

### Benefits :

- It integrates power supply protection, current indication and Low water flow alarm functions
- Effective disinfection and safely lower free chlorine residual including chlorine resistant micro-organisms.
- Chloramines destruction reducing "red eye" and irritation of skin and respiratory system.
- Trihalomethane (THM) levels are minimised.
- Compact unit footprint suitable for small plant rooms.
- Designed for maximum operator and bather safety.
- Low installation cost-minimal connections required.
- Air-cooled design.
- The low water flow alarm and automatically power shutdown can effectively protect the equipment.
- Ozone water has high concentration and good sterilization efficiency.
- With UV germicidal lamp, double sterilization, better effect.
- With a concentration regulator, which can adjust the ozone output concentration according to needs.
- The Ozone generator has high conversion efficiency, low energy consumption, continuous operation and long service life.
- PSA technology to prepare oxygen.
- High intensity long life low pressure 8,000 hour UV lamps.



Model	DN-OWS-10G	DN-OWS-20G	DN-OWS-30G
Ozone Output	10g/h	20g/h	30g/h
Power Supply	220v/50Hz	220v/50Hz	220v/50Hz
Power Consumption	0.75kw	1.2kw	1.55kw
L x W x H	70*60*170cm	70*60*170cm	70*60*170cm
Weight	124.7kg	160kg	180kg
Flow Rate	2T/H	4.5T/H	7.5T/H
Ozone Water concentrtrion	1-3ppm	1-3ppm	1-3ppm
Water Inlet	1"Male	1.5"Male	1.5"Male
Water Outlet	1.5"Male	1.5"Male	1.5"Male
Cooling	Fan	Fan	Fan
Feed Gas	Built-in Oxygen Generator	Built-in Oxygen Generator	Built-in Oxygen Generator
Material	Epoxy Coated Mild Steel	Epoxy Coated Mild Steel	Epoxy Coated Mild Steel

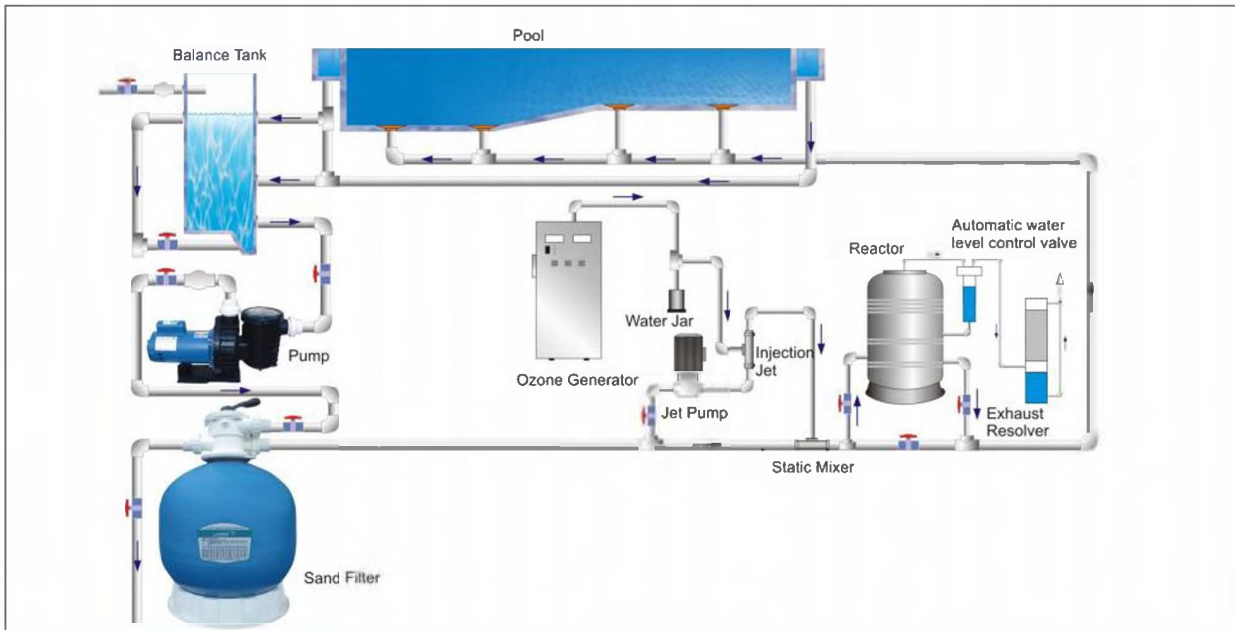
Note: with the product update, the parameters are slightly deviated without notice. Please take the physical parameters as the standard.

# WALL-MOUNTED OZONE GENERATOR DISINFECTING EQUIPMENT

The wall-mounted ozone generator is suitable for disinfection and sterilization of individual space. Wall mount design is easier for ozone gas to reach anywhere for disinfection. It can be widely used in swimming pool and pond.

### Advantages:

- Air cooling design.
- Microcomputer timer, the working time can be preset according to needs.
- The shell is designed with stainless steel, which is durable.
- The ozone generating tube has high conversion efficiency, low energy consumption, can work continuously, and has a long service life.
- Built-in anti-backwater solenoid valve.



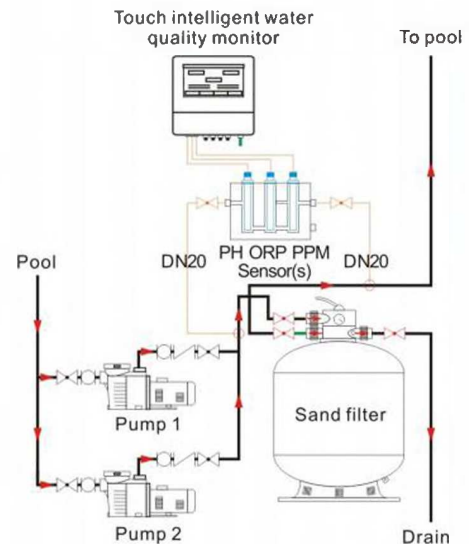
Model	DNA-3G	DNA-5G	DNA-7G	DNA-10G	DNA-15G	DNA-20G
Ozone Output	3G/Hr	5G/Hr	7G/Hr	10G/Hr	15G/Hr	20G/Hr
Power	60 W	80 W	120 W	140 W	250 W	270 W
Cooling Method	Air Cooled	Air Cooled	Air Cooled	Air Cooled	Air Cooled	Air Cooled
Outlet Diameter	4mm	4mm	4mm	4mm	10mm	10mm
Unit Weight	4kg	4.2kg	7.8kg	8.4kg	13.2kg	14.6kg
Disinfection Area	0-30m <sup>2</sup>	0-50m <sup>2</sup>	0-70m <sup>2</sup>	0-100m <sup>2</sup>	0-150m <sup>2</sup>	0-200m <sup>2</sup>
Dimension(L*W*H)	23*18*46cm	23*18*46cm	32*25*52.5cm	32*25*52.5cm	40*30*62cm	40*30*62cm
Feed gas	Clean And Dry Air(inner air pump)					
Voltage	110V/60Hz;220-240V/50Hz;220V/60Hz					

## TOUCH INTELLIGENT WATER QUALITY MONITOR DISINFECTING EQUIPMENT

- Electrode plug and play, no conversion module is needed, three-point probe calibration, more precise data. Water quality parameter standards include European, Chinese and other national standards;
- Switch free between Chinese and English interfaces, more convenient to operate by full touch screen;
- Less failure, high accuracy, low maintenance.
- Can control 3 sets of dosing pump;

### Installation Guide :

- Close the water valves at the front and back of the installation site to keep the installation section free of water, so as to avoid accidents.
- The water intake point shall be located behind the water pump and in front of the filter in the return water pipeline of the swimming pool. There is a certain pressure difference between the water inlet and the outlet to make the water flow through the flow trough. Use tools to drill a DN15 hole at this main pipeline or change it to DN15 through tee, and fix the DN15 ball valve at the water intake;
- Install the acrylic flow trough and the water quality monitor. Use the wall mounting method to connect the flow trough with the DN15 ball valve of the water intake through 6x4mm hose;
- The water outlet of the flow trough is directly discharged by pressure relief through 6x4mm hose (discharged to the water collecting well or returned to the equalization tank);
- Open the water valve to confirm whether there is water flow through the flow trough and the water flow is enough.



### Technical Parameter

Product Model	WL-SZ1202
PH measurement	Electrode method , measurement range : 0 -14PH , measurement accuracy : <0.01PH , suitable temperature : 0-80 °C
ORP measurement	Electrode method, measurement range : 0--1200mv , measurement accuracy : <2mv , suitable temperature : 0-80 °C
Input power	220-250V , 50/60Hz
Output	3 sets of dosing pump output ( 5A , 220V-240V )
Display	4.3-inch LCD screen
Operation	Touch
Outlook dimensions	200(height) x 235(width) x70 (depth) MM
Weight	1.7kg
Installation method	Wall-mounted
Housing material	Plastic
Protection grade	IP65
Working environment	Normal temperature and keep dry
Others	Built-in water quality standards. Support Chinese and English bilingual

Notes : Each machine corresponds to a pair of probes, not to be mixed up.  
Clean and calibrate the probe every 3 months.

## METERING PUMP DISINFECTING EQUIPMENT



The metering pump is designed to inject chemicals into piping systems. All models are equipped with a side mounted mechanical flow rate adjustment knob. Optional on/off cycling timers are available.

Model	Strokes Per Minute	Maximum Chemical Flow (ml/m)	Maximum Pressure (kpa)	Power source
WL-AYB660P	60	290	420	220V/50Hz

DISINFECTING EQUIPMENT

## CHEMICAL FEEDER



WL-AYJ01

### Features:

- No special venting required.
- Completely sealed, no escape of gas.
- Positive external, no-clog control valve.
- Feeder is designed to automatically lower the water level so tablets are not soaking during off period of pump. This allows more efficient use of tablets.
- No equipment damage. Feeds sanitizer directly to pool or spa.
- To prevent over feeding during use, completely close the control valve and the built in check valve will prevent chemical from being fed into pool or spa.
- All parts replaceable.
- Never connect with brass pipe.



PCF01

4.2lbs (1.9kgs) Inline Chlorine Feeder Body



CL-200

### Features:

- 9lb inline chlorine feeder.
- Chlorine feeder rate is adjustable by regulating the valve setting.
- Easy-lock cover for total tightness.

# HEAT PUMP



SWIMMING POOL  
HEAT PUMP

# FULL INVERTER SWIMMING POOL HEAT PUMP PREMIUM SERIES

LASWIM Premium series swimming pool heat pump is powered by mature stepless DC inverter technology, which helps to greatly reduce the energy consumption while running silently, enabling the unit to reach extremely high COP up to 14. By smart conversion of compressor speed, fan motor speed and system pressure, this Premium series heat pump can provide amazing energy saving and silent performance.



## Stepless DC Inverter

LASWIM full inverter series core technology is stepless DC inverter. It adopts stepless inverter compressor and DC brushless fan motor. The speed can be adjusted as low as one hertz and one round, which provides amazing energy saving and super silence performance.



## Intelligent protection

Can adapt to wide voltage of 180V ~ 260V and adjusts the system in different tough condition. For example, if there is electricity fluctuation or during electricity peak period, the system can slow down intelligently for comfortable operation. Thus, it brings longer service life than normal on/off heat pump.



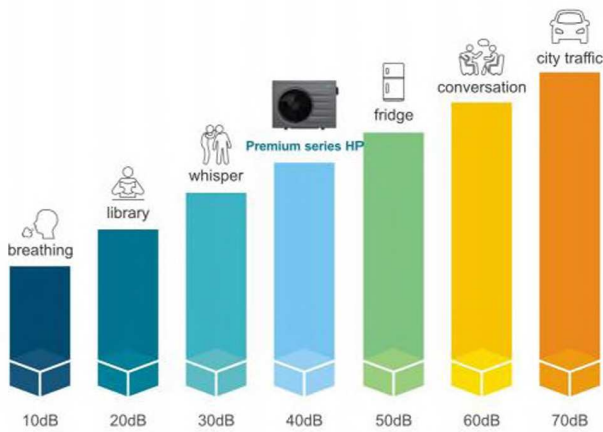
## Specially designed inverter control system

The control system is specially designed for pool heating. It can adjust the heating capacity precisely according to different heating loss in the swimming season. The design philosophy is to achieve fast heating at high speed in the beginning of the season, and slow down at middle & low speed when the pool water reaches the target temperature, for better energy saving and silent performance in the rest of the season.



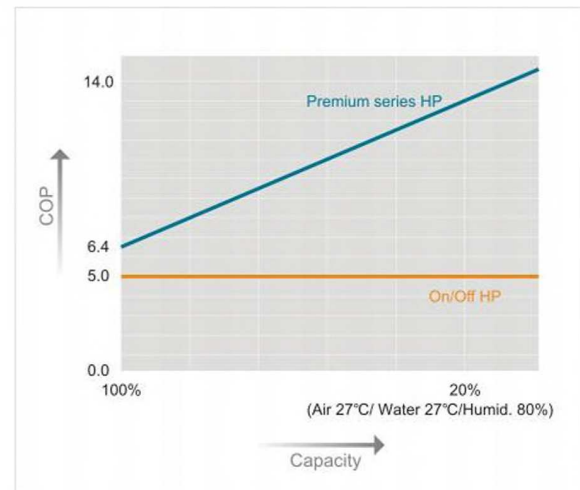
### Super silent running

- Thanks to the full inverter technology, this Premium series pool heat pump can bring you much quieter swimming environment than a normal on/off pool heat pump, which is more friendly to your neighborhood.



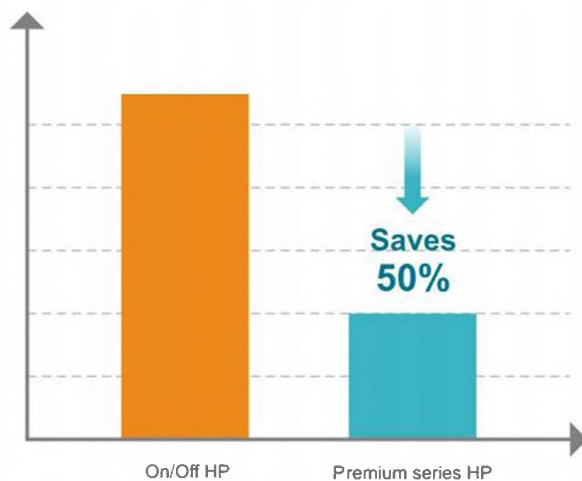
### COP up to 14

- When maintaining pool temperature at 95% of pool season, the COP of this Premium series heat pump can be up to 14 when running at middle & low speed, which leads to the best energy saving performance and most silent pool environment.



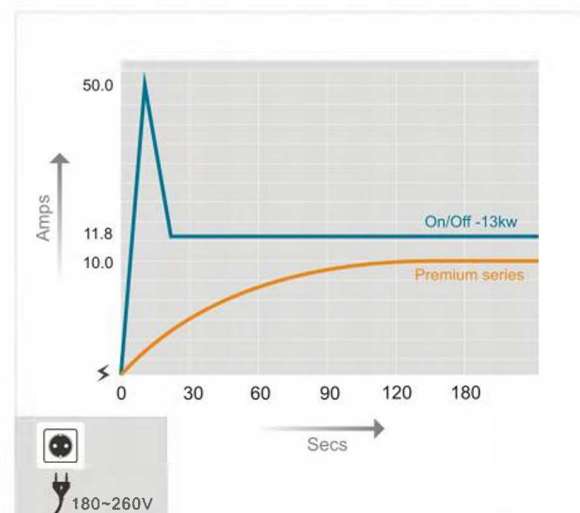
### Energy saving

- Adjusting the operating frequency of its compressor and fan motor automatically according to the heating or cooling demand, Premium series heat pump runs at middle & low speed most of the time, it is nearly double energy saving than On/Off heat pump.



### Soft start & wide voltage application

- By using stepless DC inverter compressor, the input current will start from 0 Amps to rated Amps steadily, to better protect the house electricity system. With its smart conversion, this premium series heat pump can be also adapted to wide voltage from 180~260V.



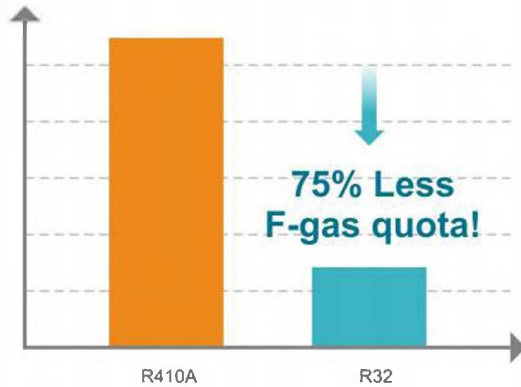


# FULL INVERTER SWIMMING POOL HEAT PUMP

## PREMIUM SERIES

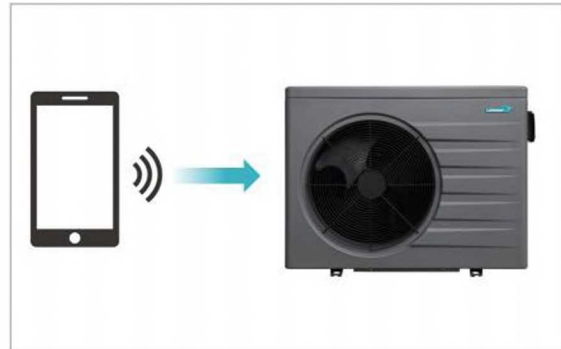
### Eco-friendly refrigerant R32

- Compared to other refrigerants widely used today, R32 is remarkable for its small environment impact and has a global warming potential(GWP) of 675, which is two-third lower than R410A, cuts 75% carbon emission and 75% F-gas quota cost.



### Built-in Wi-Fi function

- With Wi-Fi function, you can control your heat pump through a smart APP on the phone easily anywhere and anytime.



### Other features



Twin-rotary DC inverter compressor



Reverse cycle defrosting with 4-way valve for quick & efficient defrosting



Design for operating air temperature as low as -10°C



EEV technology: 10 times flexibility to adjust the gas flow and increase the COP by up to 20%.



Spiral titanium heat exchanger: 40% higher efficiency than normal titanium heat exchanger.



Can be used for swimming pool heating or cooling.

### Customizable Appearance

In order to choose your most preferable color or appearance of the heat pumps, customized appearances service is available .



Grey



Black



Dark grey



Silver white



Royal blue



Brown

## Technical parameters

Model	LS07-IFP1-S2C1	LS09-IFP1-S2C1	LS13-IFP1-S2C1	LS16-IFP1-S2C1	LS20-IFP1-S2C1	LS24-IFP1-S2C1
Performance condition: Air: 27°C / Water: 27°C / Humidity: 80%						
Heating capacity (kW)	1.4-7.2	1.9-9.3	2.6-13	3.2-16	4.1-20.5	4.8-24.4
Heating capacity (BTU)	4800-24600	6500-31700	8900-44400	10900-54600	14000-70000	16400-83300
COP Range	14.8-6.4	14.8-6.7	14.9-6.4	14.5-6.4	14.6-6.4	14.8-6.0
Average COP at 50% Speed	9.8	9.7	9.8	9.6	9.7	9.8
Performance condition: Air: 15°C / Water: 26°C / Humidity: 70%						
Heating capacity (kW)	1.0-5.0	1.3-6.5	1.8-9.1	2.3-11.5	2.9-14.4	3.4-17.1
Heating capacity (BTU)	3400-17000	4400-22200	6100-31000	7850-39200	9600-47800	11600-57300
COP Range	8.6-4.1	8.7-4.2	8.4-4.0	8.7-4.2	8.8-4.1	8.6-4.1
Average COP at 50% Speed	6.9	6.8	6.9	6.7	6.8	6.0-11.0
Technical specific						
Advised pool volume (m <sup>3</sup> ) *	15-30	20-45	35-65	40-75	50-90	
Operating air temperature (°C)	-10°C~43°C					
Power supply	220-240V / 1Ph / 50-60Hz					
Heat exchanger	Spiral titanium tube in PVC					
Refrigerant	R32					
Casing	ABS(Galvanized steel is available)					
Compressor	Twin-rotary					
Rated input power (kW)	0.1-1.13	0.13-1.39	0.17-2.03	0.22-2.5	0.28-3.2	0.32-4.1
Input power at 50% Speed (kW)	0.4	0.5	0.7	0.9	1.2	1.3
Rated input current (A)	0.40-4.9	0.52-6.0	0.8-8.8	1.0-10.9	1.2-14.0	1.4-17.7
Maximum input current (A)	5.8	7.2	10.6	13.1	16.7	21
Power cord (mm <sup>2</sup> )	3*1.5	3*1.5	3*2.5	3*2.5	3*4.0	3*4.0
Sound level at 1m dB(A)	36.8-50.2	38.6-52.5	42.5-52.0	42.5-52.0	44.3-57.0	44.9-58.7
Sound level by 50% speed 1m dB(A)	42.5	45.8	47.5	47.5	48.6	48
Sound level at 10m dB(A)	17.9-30.2	19.6-31.4	22-32.5	24.2-35.4	24.3-36.2	25.9-37.6
Advised water flow (m <sup>3</sup> /h)	2-4	3-5	4-6	6-8	7-10	10-12
Water connection (mm)	50					
R32 Net weight (g)	450	600	750	1500	1500	1750
Gross weight (kg)	50	52	53	65	68.5	79.5
Net weight (kg)	42	44	45	56	59	70
Net dimension LxWxH (mm)	891x370x665	891x370x665	891x370x665	981x370x665	981x440x765	981x440x765
Packing Size (mm)	936x385x695	936x385x695	936x385x695	1026x385x695	1026x455x800	1026x455x800
Qty per 20'FT / 40'HQ (sets)	102/216	102/216	102/216	90/198	50/165	50/165

### Remarks:

- The above data will be subject to change without further notice, please refer to the nameplate on the unit.
- Advised pool volume applies to a private pool with an isothermal cover, from April to September.

# FULL INVERTER SWIMMING POOL HEAT PUMP

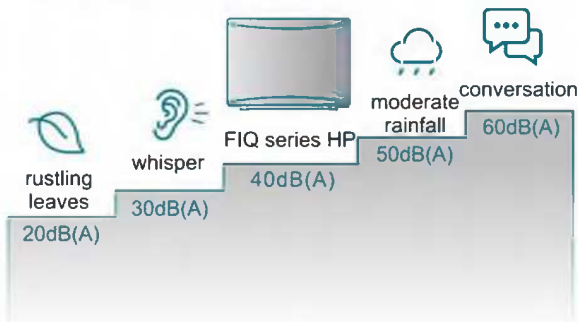
## FIQ SERIES

LASWIM full inverter swimming pool heat pump FIQ series is specially designed for silent and comfortable user experience, with COP up to 15 while sound level is down to 42dB. Thanks to the DC inverter compressor, stepless inverter control system and brushless fan motor, the speed can be adjusted Hz by Hz and round by round, to achieve energy saving and super silence.



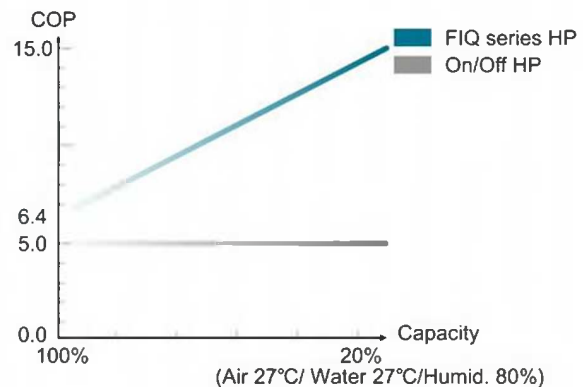
### Super silence

- Unique backward airflow helps to provide comfort silence swimming experience. It adopts invisible fan to draw air from two sides and exhaust out from back side to eliminate every possible noise to realize silence and comfort, and achieve a sound level down to 42dB(A) at 1m, 10dB(A) lower than On/Off heat pump.



### COP up to 15

- FIQ series heat pump runs at middle & low speed to maintain pool temperature for 95% of swimming season, COP can be up to 15.



HEAT PUMP



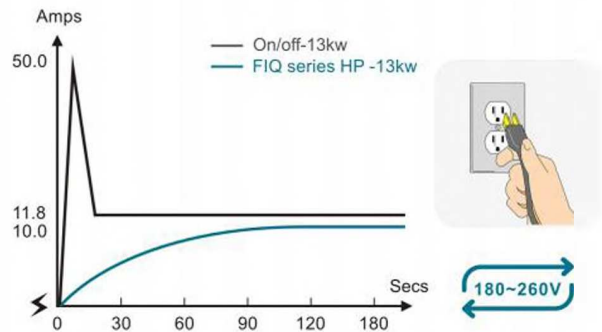
### Energy saving

- With low-speed running most of the time, FIQ series heat pump is double energy saving than On/Off heat pump, as it will adjust the operating speed of its compressors and fan motors automatically according to the heating or cooling demand.



### Soft start & wide voltage application

- The input current will start from 0 Amps to rated Amps steadily. More friendly to house electricity system. FIQ series heat pump can be also adapted to wide voltage from 180~260V.



### Built-in Wi-Fi function

- With Wi-Fi function, you can control your heat pump with a smart APP on the phone easily at anywhere and anytime.



HEAT PUMP

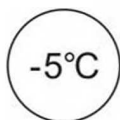
### Other features



**EEV technology**  
10 times flexibility to adjust the gas flow and increase the COP by up to 20%.



**Twisted titanium heat exchanger**  
40% higher efficiency than normal titanium heat exchanger.



Designed for down to Air -5 °C Operation.



**ECO-Friendly refrigerant**  
32% GWP comparing to R410A, 25% CO<sub>2</sub> carbon consumption and 25% quota cost



Twin-Rotary DC Inverter compressor of Mitsubishi.



**Reverse cycle defrosting**  
With Saginomiya 4-way valve for quick and efficient defrosting.

# FULL INVERTER SWIMMING POOL HEAT PUMP

## FIQ SERIES

### Technical parameters

Model	LAS07-KP-FIQ	LAS09-KP-FIQ	LAS13-KP-FIQ	LAS16-KP-FIQ	LAS20-KP-FIQ	LAS24-KP-FIQ
Performance condition: Air 27°C/ Water 27°C/ Humid. 80%						
Heating capacity (kW)	6.8	9.0	12.6	16.1	20.0	24.0
Heating capacity (BTU)	23200	30700	43000	55000	68300	82000
COP Range	13.5~6.3	14.0~6.5	14.0~6.4	15.0~6.5	15.0~6.5	14.5~6.4
Average COP at 50% Speed	9.2	9.0	9.5	9.6	9.3	9.6
Performance condition: Air 15°C/ Water 26°C/ Humid. 70%						
Heating capacity (kW)	5.0	6.5	9.0	11.0	14.0	16.2
Heating capacity (BTU)	17100	22200	30700	37500	48000	55300
COP Range	6.8~4.3	6.8~4.5	7.0~4.4	7.0~4.5	7.0~4.6	7.2~4.5
Average COP at 50% Speed	6.1	6.2	6.3	6.3	6.2	6.3
Technical specifications						
Advised pool volume (m <sup>3</sup> ) *	15~30	20~50	30~60	40~75	50~90	60~110
Operating air temperature (°C)	-5°C~43°C					
Compressor	Twin-rotary Mitsubishi DC Compressor					
Heat exchanger	Twisted Titanium Heat Exchanger					
Power supply	220-240V / 1Ph / 50-60Hz					
Refrigerant	R32					
Material	ABS +Aluminum-alloy Casing					
Rated input power (kW)	0.18~1.17	0.24~1.45	0.32~2.10	0.39~2.50	0.50~3.10	0.56~3.70
Input power at 50% Speed (kW)	0.41	0.53	0.72	0.88	1.13	1.29
Rated input current (A)	0.79~5.10	1.05~6.40	1.40~9.00	1.70~10.70	2.18~13.30	2.45~16.10
Maximum input current (A)	7.5	8.5	10.5	15.5	18.0	20.0
breaker rated current (A)	9.0	10.0	13.0	18.0	21.0	24.0
Power cord (mm <sup>2</sup> )	3×1.5	3×1.5	3×2.5	3×2.5	3 x 4	3×6
Sound level at 1m dB(A)	38.5~48.0	39.0~48.4	42.2~50.8	41.2~54.4	43.4~54.1	41.8~56.0
Sound level by 50% speed 1m dB(A)	41.2	41.6	45.8	45.9	46.8	47.3
Sound level at 10m dB(A)	18.5~28.0	19.0~28.4	22.2~30.8	21.2~34.4	23.4~34.1	21.8~36.0
Advised water flux (m <sup>3</sup> /h)	2~4	2~4	4~6	6~8	7~10	10~12
Water connection (mm)	50					
R32 Net weight (g)	500	550	750	800	1000	1200
Net weight / Gross weight (kg)	58/67	58/67	61/70	64/72	70/80	80/90
Net dimension LxWxH (mm)	890x430x657	890x430x657	890x430x657	890x430x657	1060x430x657	1060x430x757
Qty per 20'FT / 40'HQ (sets)	78/177	78/177	78/177	78/177	72/150	48/150

#### Remarks:

- The above data will be subject to change without further notice, please refer to the nameplate on the unit.
- Advised pool volume applies to a private pool with an isothermal cover, from April to September.

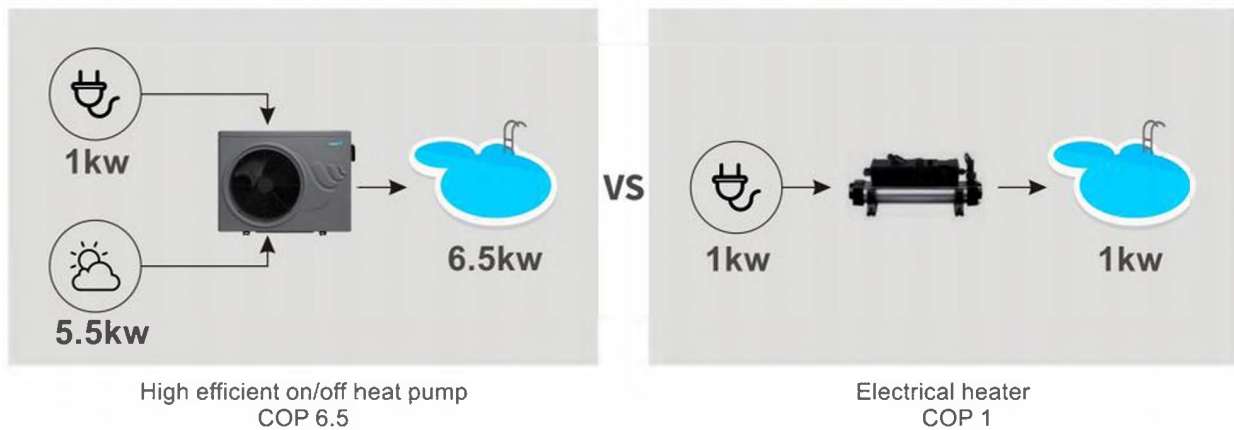
## HIGH EFFICIENT SWIMMING POOL HEAT PUMP COMFORT SERIES

LASWIM high efficient Comfort series swimming pool heat pump is specially developed for energy saving and fast pool heating. With a COP as high as 6.5, it helps to extend the swimming season in a high cost-effective way. This Comfort series pool heat pump offers over 6 times heat power than electrical power input, it is your best choice for enjoying pool fun.



### COP up to 6.5, over 6 times energy saving

- At the condition of Air 27°C/Water 27°C/Humid.80%, the COP can be as high as 6.5, this comfort series heat pump offers over 6 times heat power than electric power input, giving you exceptional performance at a high cost-effective way.



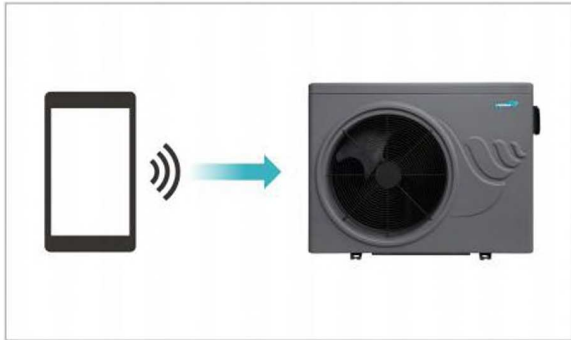
### Spiral titanium heat exchanger

- Spiral titanium heat exchanger enlarges the area of heat exchanging by at least 30%.



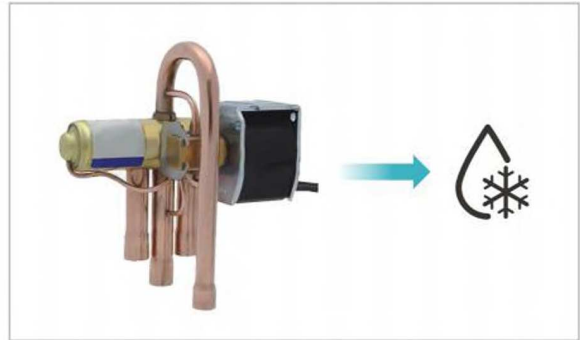
### Built-in Wi-Fi function

- With Wi-Fi function, you can control the heat pump with a smart APP on the phone easily anywhere and anytime.



### Intelligent defrost

- With a 4-way valve for quick and efficient reverse cycle defrosting, ensuring the unit is running in high efficiency.



### Other features



Down to -5°C running, help to extend the swimming season



Quiet operation, comfortable swimming environment



Silver welding for reliable refrigerant system



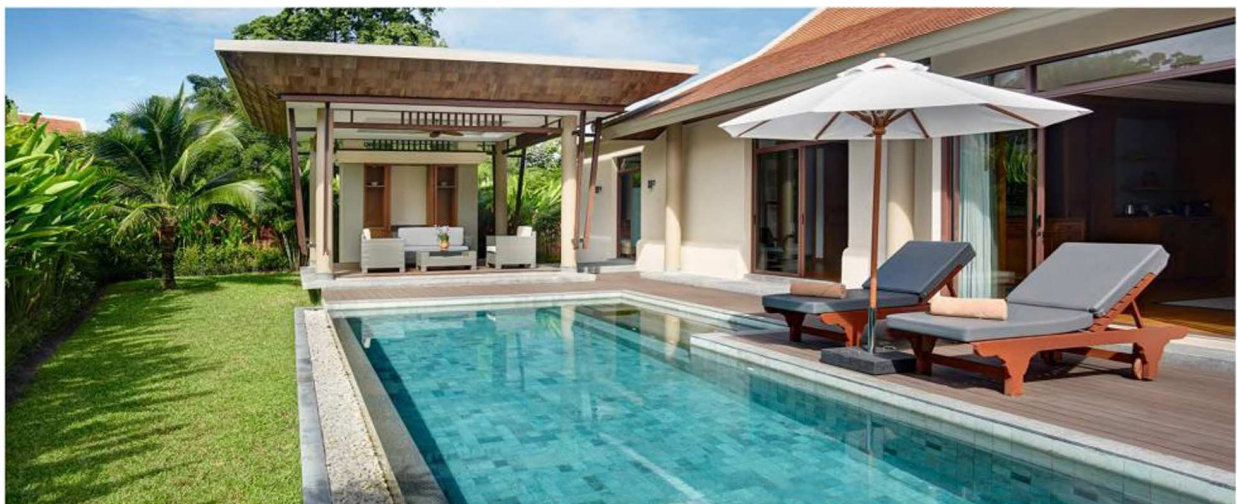
ECO-friendly refrigerant  
Compared to R410A, only 32% GWP,  
25% CO2 carbon emission and 25%  
quota cost



Simple LED digital controller



ABS casing  
Anti-UV and anti-corrosion



# HIGH EFFICIENT SWIMMING POOL HEAT PUMP

## COMFORT SERIES

### Technical parameters

Model	LS06-CFP1-S1C1	LS10-CFP1-S1C1	LS12-CFP1-S1C1	LS14-CFP1-S1C1	LS17-CFP1-S1C1
Performance condition: Air 27°C/ Water 27°C/ Humid. 80%					
Heating capacity (kW)	6.0	10.2	12.0	14.0	17.0
Heating capacity (BTU)	20500	34800	40960	47800	58000
COP Range	5.8	6.3	6.5	6.5	6.4
Performance condition: Air 15°C/ Water 26°C/ Humid. 70%					
Heating capacity (kW)	4.2	7.1	8.4	9.8	11.9
Heating capacity (BTU)	14300	24200	28700	33400	40600
COP Range	4.3	4.4	4.6	4.6	4.5
Technical specifications					
Advised pool volume (m <sup>3</sup> )	0~30	25~45	35~55	40~65	45~75
Operating air temperature (°C)	-5°C~43°C				
Power supply	220-240V/ 1Ph / 50Hz				
Heat exchanger	Spiral titanium tube in PVC				
Refrigerant	R32				
Casing	ABS				
Compressor	Rotary				
Rated input power (kW)	1.0	1.6	1.8	2.2	2.6
Rated input current (A)	4.5	7.0	8.0	9.4	11.3
Max input current (A)	6.5	10.2	11.6	13.6	16.0
Breaker (A)	8.0	13.0	15.0	16.5	20.0
Power cord (mm <sup>2</sup> )	3*1.5	3*2.5	3*2.5	3*4.0	3*4.0
Sound level at 1m dB(A)	46.5	46.5	47.5	47.5	48.5
Sound level at 10m dB(A)	27.5	27.5	29.5	29.5	30.5
Advised water flow (m <sup>3</sup> /h)	2.5-3.5	4.0-6.0	4.0-6.0	5.0-7.0	6.0-8.0
Water connection (mm)	50				
Net dimension LxWxH (mm)	891x370x665	891x370x665	981x370x665	981x370x665	981x370x665
Packing Size (mm)	936x385x695	936x385x695	1026x385x695	1026x385x695	1026x385x695
Loading quantity of 20ft/40HQ (Sets)	102/216	102/216	90/198	90/198	90/198

#### Remarks:

- The above data will be subject to change without further notice, please refer to the nameplate on the unit.
- Advised pool volume applies to a private pool with an isothermal cover, from April to September.



# INVERTER MINI SWIMMING POOL HEAT PUMP

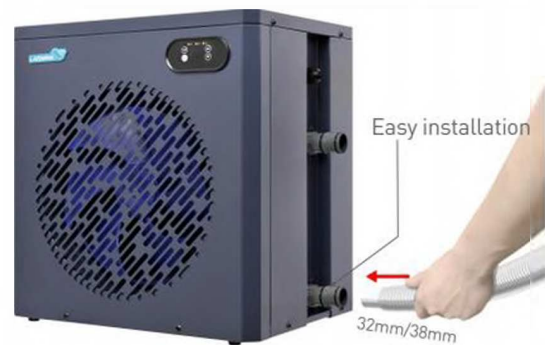
## IMN SERIES

LASWIM inverter mini swimming pool heat pump IMN series is the best choice for various small above ground pools. You can easily enjoy a comfortable heated swimming pool in your backyard, even on not-so-beautiful summer days. Thanks to the inverter technology, it absorbs free heat from the environment and passes it into the water for reduced and controlled energy consumption.



### Features:

- Ideal for above-ground pools, spas and splash pools
- Operating air temperature 5 °C-43 °C
- Easy installation (quick connection)
- Simple and intuitive control panel
- Low noise operation
- Filled with environmentally friendly R32 gas
- Titanium heat exchanger
- 1.5m wire cable&plug with RCD protection
- Suitable for 32mm or 38mm water connections



### Application :



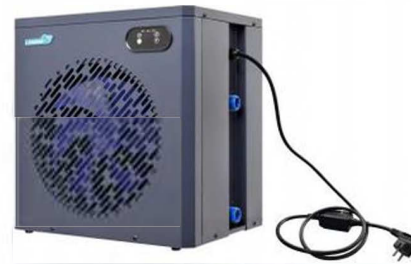
### Save 80% energy

COP is up to 13, over 80% free energy from the ambient air



### Just plug&play

Simple plug and play saves valuable installation time



### Technical Parameters

Model	LS03-IMN1-S4C6	LS04-IMN1-S4C6	LS05-IMN1-S4C6
Performance condition: Air: 27°C / Water: 27°C / Humidity: 80%			
Heating capacity (kW)	1.3-3.5	1.5-4.5	2.0-5.6
Heating capacity (BTU)	11740	15360	18780
COP	13.2-5.4	13.1-5.2	13.1-6.0
Average COP at 50% Speed	8.1	8.6	9.5
Performance condition: Air: 15°C / Water: 26°C / Humidity: 70%			
Heating capacity (kW)	0.9-2.4	1.1-3.2	1.5-3.9
Heating capacity (BTU)	8220	10750	13450
COP	7.6-4.1	7.7-4.2	7.4-4.0
Average COP at 50% Speed	5.7	6.0	6.7
Technical specifications			
Advised pool volume (m <sup>3</sup> ) *	0~15	5~20	8~25
Operating air temperature (°C)	5°C-43°C		
Power supply	220-240V / 1Ph / 50Hz		
Heat exchanger	Spiral titanium tube in PVC		
Compressor	Twin-rotary DC inverter		
Refrigerant	R32		
Casing	Galvanized steel		
Rated input power (kW)	0.09-0.65	0.12-0.87	0.15-0.93
Input power at 50% Speed (kW)	0.2	0.3	0.35
Rated input current (A)	0.4-2.8	0.5-3.8	0.6-4.1
Maximum input current (A)	3.6	5	5.4
Power cord (mm <sup>2</sup> )	3x1.0		
Fan speed (rpm)	850-900		
Sound level at 1m dB(A)	48~52.5		
Sound level by 50% speed 1m dB(A)	50		
Sound level at 10m dB(A)	21~32.5	22~32.5	22~33.5
Advised water flow (m <sup>3</sup> /h)	1~2	1~2.5	2~3.5
Protection level	IPX4		
Water connection (mm)	32/38		
Water pressure drop (kPa)	15		
R32 Net weight (g)	320	350	400
Gross weight (kg)	26	27	28
Net weight (kg)	24	25	26
Net dimension LxWxH (mm)	440x330x486		
Packing Size (mm)	520x350x490		
Qty per 20'FT / 40'HQ (sets)	264/660		

#### Remarks:

- The above data will be subject to change without further notice, please refer to the nameplate on the unit.
- Advised pool volume applies to a private pool with an isothermal cover, from April to September.

# MINI SWIMMING POOL HEAT PUMP

## MN SERIES

LASWIM mini pool heat pump MN series is specially designed for above ground swimming pool heating, allowing you to enjoy the pool in perfectly warm water. It incorporates the latest technological innovations in pool heat pumps with the aim of offering an optimized water temperature for reduced and controlled energy consumption. This mini swimming pool heat pump is compatible with all types of water treatment, including salt-water treatments, thanks to its titanium heat exchanger.



### Features:

- Ideal for above-ground pools, spas and splash pools
- Light weight and compact design
- Plug and play
- Suitable for 32mm or 38mm water connections
- Simple and intuitive control panel
- Low noise operation
- Easy to use above 7°C

### Save 70% energy

COP is up to 5.04, over 70% free energy from the ambient air



### Just plug&play

Simple plug and play saves valuable installation time



## Technical parameters

Model	LAS10-MN	LAS15-MN	LAS18-MN	LAS22-MN
Performance condition: Air 27°C/Water 26°C/Humid. 80%				
Heating capacity (kw)	2.9	4.2	5.2	6.5
Rated input power (kw)	0.58	0.83	1.07	1.32
Rated input current (A)	2.53	3.61	4.76	6.02
C.O.P	4.98	5.04	4.90	4.88
Performance condition: Air 15°C/Water 26°C/Humid. 70%				
Heating capacity (kw)	1.8	2.9	4.1	5.1
Rated input power (kw)	0.55	0.76	1.04	1.29
Rated input current (A)	2.39	3.31	4.73	5.87
C.O.P	3.30	3.80	3.92	3.91
Technical specifications				
Advised pool volume (m <sup>3</sup> )	5-15	10-20	12-22	12-25
Operating air temperature (°C)	7~43			
Max. current (A)	3.68	4.64	5.75	7.15
Power cable	Rubber cable with RCD main plug (plug & play)			
Plug type	EU or UK			
Power supply	220-240/1Ph/50Hz			
Heat exchanger	Spiral titanium tube in PVC			
Compressor	Rotary			
Refrigerant	R32/R410A			
Casing	Galvanized sheet			
Control	LED digital display			
Advised water flow (m <sup>3</sup> /h)	1-2	1-2	1.5-2.5	2-3
Sound level @ 1m	48	45	47	48
Water connection	32	32	38	38
Net weight (kg)	15	19	26	29
Gross weight (kg)	17	22	32	35
Net dimension (mm)	305x303x367	369x327x440	440x440x490	440x440x490
Packing size (mm)	360x390x420	425x415x485	530x520x550	530x520x550
Qty per 20'FT/40'HQ	440/1100	260/700	160/440	160/440

### Remarks:

- The above data will be subject to change without further notice, please refer to the nameplate on the unit.
- Advised pool volume applies to a private pool with an isothermal cover, from April to September.

## NORMAL TEMPERATURE POOL HEAT PUMP

LASWIM normal temperature commercial swimming pool heat pump is designed with titanium heat exchanger, can effectively resist the corrosion of chloride ion in pool water. This series heat pump is a reliable and energy-saving solution for pools in hotels, SPA, water parks, gyms, competition pool, etc.

### Features:

- Intelligent control for constant pool water temperature (max 40°C).
- Wide working air temperature range: -5°C to 45°C.
- Anti-corrosion titanium in PVC heat exchanger for durable use.
- Multiple protections for safe operation and long service life.
- The housing adopts high-quality galvanized sheet, with strong corrosion resistance.
- Powerful centralized control and remote control is available for convenient operation and maintenance.
- Automatic and forced defrosting function.



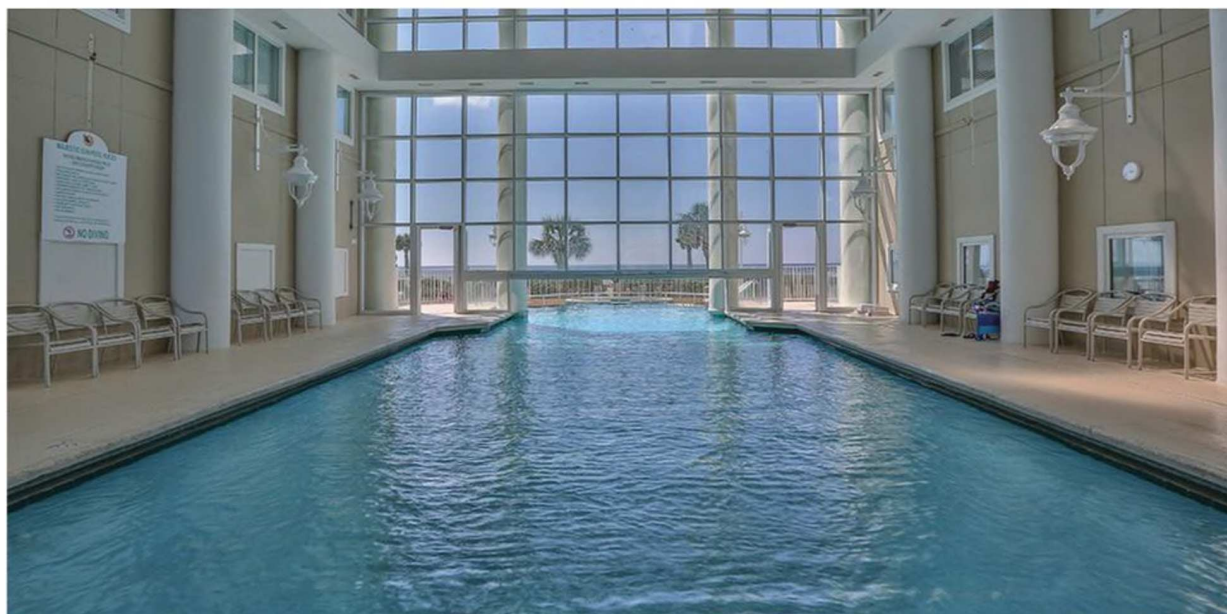
LAS70-KP - LAS105-KP



LAS18-KP - LAS21-KP



LAS35-KP - LAS52-KP



### Evaporator:

- With large surface for big air flow and good heat absorption.
- With great corrosion and heat resistance, COP is stable.



### Intelligent and high efficient control system:

- Automatic electric control system with a touch display, the operation and settings are more easy and convenient.
- The control panel adopts advanced SMT technology and ST micro-computer chip, with stable & reliable performance and powerful functions.



### Dual coil Titanium heat exchanger:

- Enlarges the heat exchanging surface that increases efficiency by providing an sufficient action area.
- Effectively resists the corrosion of chloride in water.



### International standard compressor:

- International famous brand compressor with precise energy stage settings ensures the working unit to achieve the desired energy saving effect.



### Electric expansion valve:

- Automatically adjust the refrigerant flow rate, ensuring the units operate with high efficiency in all weather conditions.



## Technical parameters

Model		LAS21-KP	LAS35-KP	LAS42-KP	LAS52-KP	LAS70-KP	LAS85-KP	LAS105-KP
Standard heating condition	Heating capacity (KW)	24.1	40.2	48.2	56.3	80.4	96.4	112.6
	COP	5.58	5.58	5.58	5.58	5.58	5.58	5.58
Low temperature heating condition	Heating capacity (KW)	18.4	30.6	36.8	42.8	61.2	73.6	85.6
	COP	4.20	4.20	4.20	4.20	4.20	4.20	4.20
Cooling condition	Cooling capacity (KW)	15.42	26.8	32.2	37.5	53.6	64.4	75
	EER	3.20	3.20	3.20	3.20	3.20	3.20	3.20
Power supply (V/ph/Hz)					380V/3N/50Hz			
Rated input power (KW)		4.3	7.2	8.6	10.1	14.4	17.2	20.2
Rated input current (A)		7.3	12.2	14.6	17.1	24.4	29.2	34.2
Maximum input power (KW)		7.1	11.8	14.2	16.5	23.6	28.4	33.0
Maximum input current (A)		11.9	19.8	23.8	27.7	39.6	47.6	55.4
Maximum outlet water temperature (°C)					40			
Grade of waterproof					IPX4			
Anti-shock type					I			
Operating air temperature (°C)					-5°C ~ 43°C			
Heat exchanger					PVC+Titanium			
Maximum pressure (MPa)					2.8/4.2			
Refrigerant					R22/R410A			
Noise Level dB(A)		≤65	≤68	≤68	≤68	≤70	≤70	≤70
Water inlet/outlet size		DN40(Internal)	DN40(Internal)	DN40(Internal)	DN50(Internal)	DN50(Internal)	DN65(Internal)	DN65(Internal)
Circulating water flow rate (m <sup>3</sup> /h)		6	10	12	15	20	25	30
Water pressure drop (kPa)		47	48	50	50	51	53	55
Net weight (Kg)		165	280	320	420	560	650	760
Dimensions	Length (mm)	745	1425	1425	1425	2250	2250	2250
	Width (mm)	745	745	745	745	1035	1035	1035
	Height (mm)	1100	1100	1100	1100	1210	1210	1210

### Remarks :

- Standard heating condition: 20°C DB, 15°C WB, inlet water temperature 26°C;
- Low temperature heating condition: 7°C DB, 6°C WB, inlet water temperature 26°C;
- Cooling condition: 35°C DB, 27°C WB, inlet water temperature 28°C;
- Due to the continuous improvement of products, the actual data will be subject to change without prior notice, please refer to the nameplate.

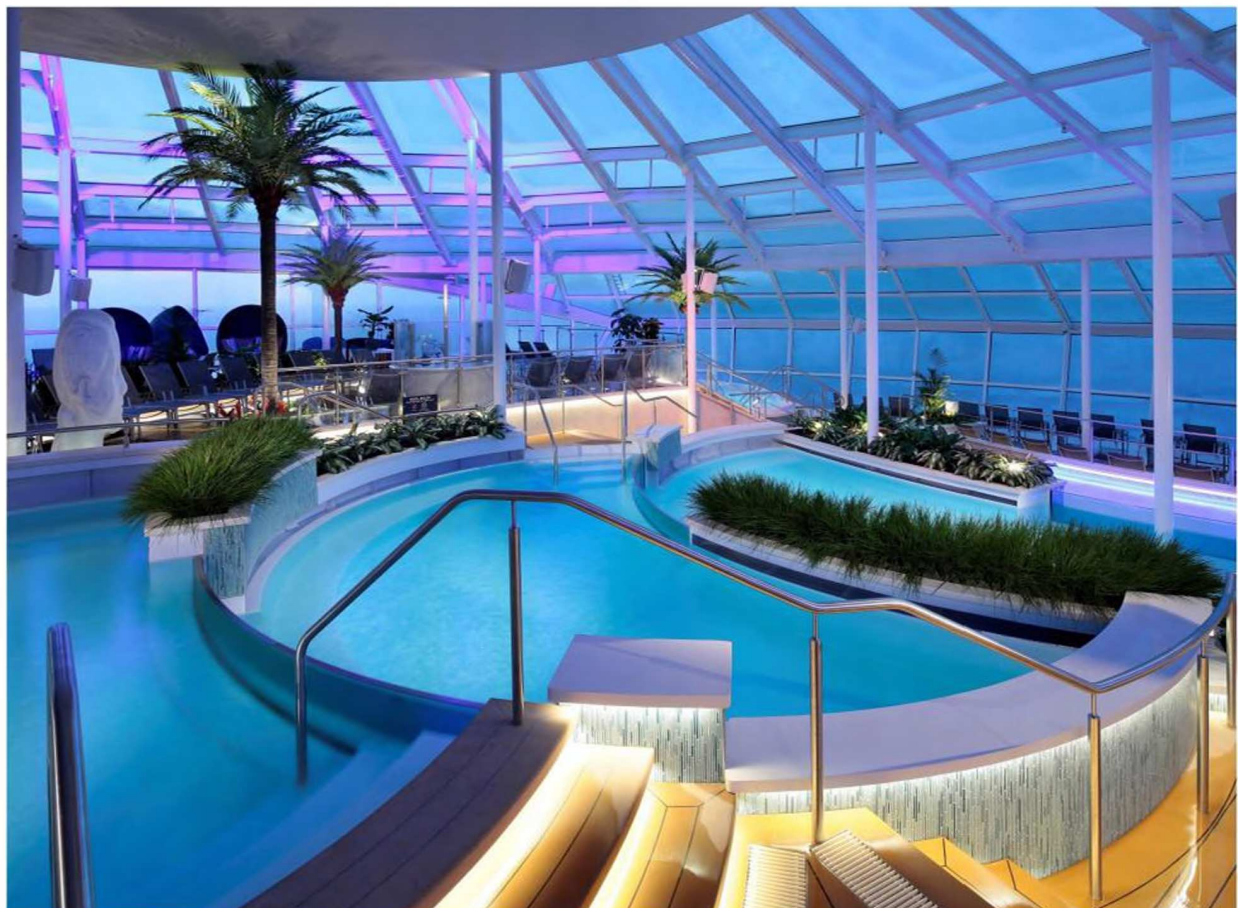
## LOW TEMPERATURE V-TYPE SWIMMING POOL HEAT PUMP

LASWIM low temperature V-type commercial swimming pool heat pump is specially designed for commercial applications in low temperature areas.

It works with high efficient even under  $-10^{\circ}\text{C}$  ( $-30^{\circ}\text{C}$  EVI heat pump is available ). This series heat pump is widely used for pools in hotels, SPA, water parks, gyms, competition pool, etc.

### Features:

- Intelligent control for constant pool water temperature (max  $40^{\circ}\text{C}$ ).
- Wide working air temperature range:  $-10^{\circ}\text{C}$  to  $45^{\circ}\text{C}$ .
- Anti-corrosion titanium in PVC heat exchanger for durable use.
- Adopts V-type evaporator, with large heat exchanging surface and great heat absorption.
- Multiple protections for safe operation and long service life.
- The housing adopts high-quality galvanized sheet, with strong corrosion resistance.
- Powerful centralized control and remote control is available for convenient operation and maintenance.
- Automatic and forced defrosting function.





## Technical parameters

Model			LAS35-KP-V	LAS42-KP-V	LAS52-KP-V	LAS70-KP-V
A20/W26 Condition	Heating capacity	KW	40.2	48.2	56.3	80.4
	COP	----	5.58	5.58	5.58	5.58
A2/W26 Condition	Heating capacity	KW	28.1	33.7	39.3	56.2
	COP	----	3.91	3.91	3.91	3.91
A-6/W26 Condition	Heating capacity	KW	23.9	28.7	33.5	47.8
	COP	----	3.32	3.32	3.32	3.32
Cooling condition	Cooling capacity	KW	26.8	32.2	37.5	53.6
	EER	----	3.2	3.2	3.2	3.2
Power supply	V/ph/Hz		380V/3N/50Hz			
Rated input power	KW		7.2	8.6	10.1	14.4
Rated input current	A		12.2	14.6	17.1	24.4
Maximum input power	KW		11.8	14.2	16.5	23.6
Maximum input current	A		19.8	23.8	27.7	39.6
Maximum outlet water temperature	°C		40			
Operating air temperature	°C		-15°C ~ 43°C			
Heat exchanger	----		Titanium in PVC heat exchanger			
Maximum pressure	Mpa		2.8/4.2			
Refrigerant	----		R22/R410A			
Noise Level	dB (A)		≤63	≤63	≤63	≤65
Water inlet/outlet size	----		DN40(Internal)	DN40(Internal)	DN50(Internal)	DN50(Internal)
Circulating water flow rate	m <sup>3</sup> /h		10	12	15	20
Water pressure drop	kPa		48	50	50	51
Net weight	Kg		330	350	410	600
Dimensions	L	mm	1420	1420	1420	1920
	W	mm	920	920	920	1020
	H	mm	1600	1600	1600	1850

### Remarks :

- A20/W26 condition: 20°C DB, 15°C WB, inlet water temperature 26°C;
- A2/W26 condition: 2°C DB, 1°C WB, inlet water temperature 26°C;
- A-6/W26 condition: -6°C DB, -7°C WB, inlet water temperature 26°C;
- Cooling condition: 35°C DB, 24°C CWB, inlet water temperature 26°C;

Due to the continuous improvement of products, the actual data will be subject to change, please refer to the nameplate.

## Technical parameters

Model			LAS85-KP-V	LAS105-KP-V	LAS140-KP-V	LAS180-KP-V	LAS210-KP-V
A20/W26 Condition	Heating capacity	KW	96.4	112.6	160.8	192.8	225.2
	COP	----	5.58	5.58	5.58	5.58	5.58
A2/W26 Condition	Heating capacity	KW	67.4	78.6	112.4	134.8	157.2
	COP	----	3.91	3.91	3.91	3.91	3.91
A-6/W26 Condition	Heating capacity	KW	57.4	67.0	95.6	114.8	134.0
	COP	----	3.32	3.32	3.32	3.32	3.32
Cooling condition	Cooling capacity	KW	64.4	75.0	107.2	128.8	150.0
	EER	----	3.2	3.2	3.2	3.2	3.2
Power supply	V/ph/Hz	380V/3N/50Hz					
Rated input power	KW	17.2	20.2	28.8	34.4	40.4	
Rated input current	A	29.2	34.2	48.8	58.4	68.4	
Maximum input power	KW	28.4	33.0	47.2	56.8	66.0	
Maximum input current	A	47.6	55.4	78.2	95.2	110.8	
Maximum outlet water temperature	°C	40					
Operating air temperature	°C	-15°C ~ 43°C					
Heat exchanger	----	Titanium in PVC heat exchanger					
Maximum pressure	Mpa	2.8/4.2					
Refrigerant	----	R22/R410A					
Noise Level dB	dB (A)	≤68	≤71	≤75	≤76	≤79	
Water inlet/outlet size	mm	DN65(Internal)	DN65(Internal)	DN80(Flange)	DN80(Flange)	DN100(Flange)	
Circulating water flow rate	m <sup>3</sup> /h	25	30	40	50	60	
Water pressure drop	kPa	53	55	55	55	56	
Net weight	Kg	680	750	1000	1050	1180	
Dimensions	L	mm	1920	1920	1920	1920	1920
	W	mm	1020	1020	2040	2040	2040
	H	mm	1850	1975	1850	1850	1975

### Remarks :

- A20/W26 condition: 20°C DB, 15°C WB, inlet water temperature 26°C;
- A2/W26 condition: 2°C DB, 1°C WB, inlet water temperature 26°C;
- A-6/W26 condition: -6°C DB, -7°C WB, inlet water temperature 26°C;
- Cooling condition: 35°C DB, 24°C CWB, inlet water temperature 26°C;

Due to the continuous improvement of products, the actual data will be subject to change, please refer to the nameplate.

# ULTRA-LOW TEMPERATURE V-TYPE POOL HEAT PUMP

## Technical parameters

Model		LAS35-KPC-V	LAS42-KPC-V	LAS52-KPC-V	LAS70-KPC-V	LAS85-KPC-V	
A20/W26 Condition	Heating capacity	kW	42.2	50.6	59.1	84.4	101.2
	COP	----	5.86	5.86	5.86	5.86	5.86
A7/W26 Condition	Heating capacity	kW	32.5	39.0	45.5	65.0	78.0
	COP	----	4.52	4.52	4.52	4.52	4.52
A2/W26 Condition	Heating capacity	kW	29.5	35.4	41.3	59.0	70.8
	COP	----	4.11	4.11	4.11	4.11	4.11
A-6/W26 Condition	Heating capacity	kW	25.1	30.1	35.1	50.2	60.2
	COP	----	3.49	3.49	3.49	3.49	3.49
A-12/W26 Condition	Heating capacity	kW	22.1	26.5	30.9	44.2	53.0
	COP	----	3.07	3.07	3.07	3.07	3.07
A-20/W26 Condition	Heating capacity	kW	18.6	22.3	26.0	37.2	44.6
	COP	----	2.58	2.58	2.58	2.58	2.58
Cooling condition (35°C)	Cooling capacity	kW	28.1	33.7	39.3	56.2	67.4
	EER	----	3.36	3.36	3.36	3.36	3.36
Power supply	V/ph/Hz	380V/3N~/50Hz					
Rated input power	kW	7.2	8.6	10.1	14.4	17.2	
Rated input current	A	12.2	14.6	17.1	24.4	29.2	
Max. input power	kW	11.8	14.2	16.5	23.6	28.4	
Max. input current	A	19.8	23.8	27.7	39.6	47.6	
Max. outlet water temperature	°C	40					
Grade of waterproof	----	IPX4					
Anti-shock type	----	I					
Operating air temperature	°C	-25°C~43°C					
Heat exchanger	----	PVC+Titanium					
System max. pressure	MPa	2.8/4.2					
Refrigerant	----	R410A					
Noise	dB (A)	≤ 63	≤ 64	≤ 65	≤ 68	≤ 71	
Water inlet/outlet size	----	DN40(Internal)	DN40(Internal)	DN40(Internal)	DN50(Internal)	DN50(Internal)	
Circulating water flow rate	m <sup>3</sup> /h	10	12	15	20	25	
Pressure drop	kPa	45	45	45	48	48	
Net weight	Kg	340	370	440	630	710	
Dimensions	L	mm	1420	1420	1420	1920	1920
	W	mm	920	920	920	1020	1020
	H	mm	1600	1600	1600	1850	1850

### Remarks :

- A20/W26 condition: 20°C DB, 15°C WB, inlet water temperature 26°C;
- A7/W26 condition: 7°C DB, 6°C WB, inlet water temperature 26°C;
- A2/W26 condition: 2°C DB, 1°C WB, inlet water temperature 26°C;
- A-6/W26 condition: -6°C DB, -7°C WB, inlet water temperature 26°C;
- A-12/W26 condition: -12°C DB, -14°C WB, inlet water temperature 26°C;
- A-20/W26 condition: -20°C DB, inlet water temperature 26°C;
- Cooling condition: 35°C DB, 27°C CWB, inlet water temperature 28°C;

Due to the continuous improvement of products, the actual data will be subject to change, please refer to the nameplate.

## Technical parameters

Model		LAS105-KPC-V	LAS140-KPC-V	LAS180-KPC-V	LAS210-KPC-V	
A20/W26 Condition	Heating capacity	kW	118.2	168.8	202.4	236.4
	COP	----	5.86	5.86	5.86	5.86
A7/W26 Condition	Heating capacity	kW	91.0	130.0	156.0	182.0
	COP	----	4.52	4.52	4.52	4.52
A2/W26 Condition	Heating capacity	kW	82.6	118.0	141.6	165.2
	COP	----	4.11	4.11	4.11	4.11
A-6/W26 Condition	Heating capacity	kW	70.2	100.4	120.4	140.4
	COP	----	3.49	3.49	3.49	3.49
A-12/W26 Condition	Heating capacity	kW	61.8	88.4	106.0	123.6
	COP	----	3.07	3.07	3.07	3.07
A-20/W26 Condition	Heating capacity	kW	52.0	74.4	89.2	104.0
	COP	----	2.58	2.58	2.58	2.58
Cooling condition (35°C)	Cooling capacity	kW	78.6	112.4	134.8	157.2
	EER	----	3.36	3.36	3.36	3.36
Power supply	V/ph/Hz		380V/3N~/50Hz			
Rated input power	kW	20.2	28.8	34.4	40.4	
Rated input current	A	34.2	48.8	58.4	68.4	
Max. input power	kW	33.0	47.2	56.8	66.0	
Max. input current	A	55.4	78.2	95.2	110.8	
Max. outlet water temperature	°C	40				
Grade of waterproof	----	IPX4				
Anti-shock type	----	I				
Operating air temperature	°C	-25°C~43°C				
Heat exchanger	----	PVC+Titanium				
System max. pressure	MPa	4.2				
Refrigerant	----	R410A				
Noise	dB (A)	≤74	≤75	≤77	≤77	
Water inlet/outlet size	----	DN65(Internal)	DN80(Flange)	DN80(Flange)	DN100(Flange)	
Circulating water flow rate	m <sup>3</sup> /h	30	40	50	60	
Pressure drop	kPa	48	48	48	48	
Net weight	Kg	780	1030	1080	1210	
Dimensions	L	mm	1920	1920	1920	1920
	W	mm	1020	2040	2040	2040
	H	mm	1975	1850	1850	1975

### Remarks :

- A20/W26 condition: 20°C DB, 15°C WB, inlet water temperature 26°C;
- A7/W26 condition: 7°C DB, 6°C WB, inlet water temperature 26°C;
- A2/W26 condition: 2°C DB, 1°C WB, inlet water temperature 26°C;
- A-6/W26 condition: -6°C DB, -7°C WB, inlet water temperature 26°C;
- A-12/W26 condition: -12°C DB, -14°C WB, inlet water temperature 26°C;
- A-20/W26 condition: -20°C DB, inlet water temperature 26°C;
- Cooling condition: 35°C DB, 27°C CWB, inlet water temperature 28°C;

Due to the continuous improvement of products, the actual data will be subject to change, please refer to the nameplate.

# LOW TEMPERATURE L-TYPE SWIMMING POOL HEAT PUMP

LASWIM low temperature L-type pool heat pump is designed with large air volume and has superior heating performance even at low temperature of  $-15^{\circ}\text{C}$ , ultra-low temperature unit can be workable at  $-25^{\circ}\text{C}$ . The design and specification of this series heat pump is specially suitable for large or medium-sized swimming pool and water environment projects, such as natatorium, sports center, school swimming pool, hot spring, water park, real estate clubs and other large or medium-sized indoor swimming pool and water environment projects.

## Features:

- **Strong heating capacity**

With air intake from four sides to maximize the heat exchange area, this series heat pump has strong heating capacity even in low temperature or ultra-low temperature environments, to achieve the best performance.

- **Environmental refrigerant**

Using R410A high efficiency refrigerant, safe and environmental.

- **Small footprint**

Adopt upper and lower structure, with small footprint, not only can effectively reduce the cost of transportation, but also very suitable for compact space construction and installation.

- **Simple maintenance**

Enclosure board disassembly is very convenient, and the daily maintenance and maintenance of core components is very simple.

- **Durable**

The use of high-quality accessories for durable and long life span.

- **Special design for large and medium-sized water environment projects**

Heating capacity from 160KW to 225KW (other specifications can be customized), suitable for various large and medium-sized swimming pools and water environment projects, can be modular assembly according to actual needs, simple operation and intelligent control.



Strong heating capacity



Quiet operation



Constant temperature



Safe and reliable



Energy-efficient



Good corrosion resistance

## Technical parameters

Model		LAS140-KP-L	LAS180-KP-L	LAS210-KP-L	
A20/W26 Condition	Heating capacity	kW	160.8	192.8	225.2
	COP	----	5.58	5.58	5.58
A2/W26 Condition	Heating capacity	kW	112.4	134.8	157.2
	COP	----	3.91	3.91	3.91
A-6/W26 Condition	Heating capacity	kW	95.6	114.8	134.0
	COP	----	3.32	3.32	3.32
Cooling condition (35°C)	Cooling capacity	kW	107.2	128.8	150.0
	EER	----	3.20	3.20	3.20
Power supply	V/ph/Hz	380V/3N~/50Hz			
Rated input power	kW	28.8	34.4	40.4	
Rated input current	A	48.8	58.4	68.4	
Max. input power	kW	47.2	56.8	66.0	
Max. input current	A	79.2	95.2	110.8	
Max. outlet water temperature	°C	40			
Grade of waterproof	----	IPX4			
Anti-shock type	----	I			
Operating air temperature	°C	-15°C~43°C			
Heat exchanger	----	PVC+Titanium			
System max. pressure	MPa	4.2			
Refrigerant	----	R410A			
Noise	dB (A)	≤ 75	≤ 75	≤ 75	
Water inlet/outlet size	----	DN80(Flange)	DN80(Flange)	DN100(Flange)	
Circulating water flow rate	m <sup>3</sup> /h	40	50	60	
Pressure drop	kPa	56	58	60	
Net weight	Kg	1000	1050	1180	
Dimensions	L	mm	2255	2255	2255
	W	mm	1405	1405	1405
	H	mm	2350	2350	2350

### Remarks :

- A20/W26 condition: 20°C DB, 15°C WB, inlet water temperature 26°C;
- A2/W26 condition: 2°C DB, 1°C WB, inlet water temperature 26°C;
- A-6/W26 condition: -6°C DB, -7°C WB, inlet water temperature 26°C;
- Cooling condition: 35°C DB, 24°C WB, inlet water temperature 28°C;
- Due to the continuous improvement of products, the actual data will be subject to change without prior notice, please refer to the nameplate.

## ULTRA-LOW TEMPERATURE L-TYPE SWIMMING POOL HEAT PUMP

### Technical parameters

Model		LAS140-KPC-L		LAS180-KPC-L		LAS210-KPC-L	
A20/W26 Condition	Heating capacity	kW	168.8	202.4	236.4		
	COP	----	5.86	5.86	5.86		
A7/W26 Condition	Heating capacity	kW	130.0	156.0	182.0		
	COP	----	4.52	4.52	4.52		
A2/W26 Condition	Heating capacity	kW	118.0	141.6	165.2		
	COP	----	4.11	4.11	4.11		
A-6/W26 Condition	Heating capacity	kW	100.4	120.4	140.4		
	COP	----	3.49	3.49	3.49		
A-12/W26 Condition	Heating capacity	kW	88.4	106.0	123.6		
	COP	----	3.07	3.07	3.07		
A-20/W26 Condition	Heating capacity	kW	74.4	89.2	104.0		
	COP	----	2.58	2.58	2.58		
Cooling condition (35°C)	Cooling capacity	kW	112.4	134.8	157.2		
	EER	----	3.36	3.36	3.36		
Power supply	V/ph/Hz	380V/3N~/50Hz					
Rated input power	kW	28.8	34.4	40.4			
Rated input current	A	48.8	58.4	68.4			
Max. input power	kW	47.2	56.8	66.0			
Max. input current	A	79.2	95.2	110.8			
Max. outlet water temperature	°C	40					
Grade of waterproof	----	IPX4					
Anti-shock type	----	I					
Operating air temperature	°C	-25°C~-43°C					
Heat exchanger	----	PVC+Titanium					
System max. pressure	MPa	4.2					
Refrigerant	----	R410A					
Noise	dB (A)	≤ 75	≤ 75	≤ 75			
Water inlet/outlet size	----	DN80(Flange)	DN80(Flange)	DN100(Flange)			
Circulating water flow rate	m <sup>3</sup> /h	40	50	60			
Pressure drop	kPa	56	58	60			
Net weight	Kg	1030	1080	1230			
Dimensions	L	mm	2255	2255	2255		
	W	mm	1405	1405	1405		
	H	mm	2350	2350	2350		

#### Remarks:

- A20/W26 condition: 20°C DB, 15°C WB, inlet water temperature 26°C;
- A7/W26 condition: 7°C DB, 6°C WB, inlet water temperature 26°C;
- A2/W26 condition: 2°C DB, 1°C WB, inlet water temperature 26°C;
- A-6/W26 condition: -6°C DB, -7°C WB, inlet water temperature 26°C;
- A-12/W26 condition: -12°C DB, -14°C DB, inlet water temperature 26°C;
- A-20/W26 condition: -20°C DB, inlet water temperature 26°C;
- Cooling condition: 35°C DB, 27°C CWB, inlet water temperature 28°C;

Due to the continuous improvement of products, the actual data will be subject to change, please refer to the nameplate.

## INDOOR SWIMMING POOL MULTIFUNCTION DEHUMIDIFIER DYC SERIES

With more than 30 years of experience in the swimming pool field, we have developed a advanced and dedicated dehumidification equipment for indoor swimming pools to provide a quality and comfortable indoor pool environment while keeping operating costs low. It is designed according to the actual needs of the harsh swimming pool environment in terms of humidity, water temperature, air temperature and engineering application environment. This dehumidification equipment integrates dehumidification, constant temperature, water heating, heat recovery, and fresh air handling. It is suitable for stadiums, natatoriums in schools and universities, commercial pools and hotel leisure pools, therapy pools, etc.



### LASWIM multifunction dehumidifier solution for swimming pool

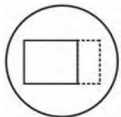
- Considering the characteristics of swimming pool water heating but low heating requirements, and high requirements for indoor air temperature, its intelligent design balances the swimming pool heating and air heating requirements perfectly.
- The multifunction dehumidifier automatically runs regularly according to the preset running time to ensure that the temperature and humidity of the venue also meet the requirements during idle periods.
- The multifunction dehumidifier can automatically adjust the number of system startups according to the actual demand of indoor air heat, thereby reducing the startup frequency of the compressor and prolonging the service life of the unit.
- Automatically switch the operation mode according to the temperature and humidity of the swimming venue, and humanized automatic control of constant temperature and humidity. Just set the return air temperature and humidity, and the unit will automatically switch the operation mode according to the indoor air environment:  
When the air temperature of the venue is high, it will automatically cool down the indoor air;  
When the air temperature of the venue is low, it will automatically heat the indoor air;  
When the air temperature in the venue is suitable but the humidity is high, it will automatically dehumidify.







### Technologies



Compact design, small footprint



High-quality components run stably with low failure rates



Environmentally friendly R410A refrigerant



Water and electricity are separated for safe operation

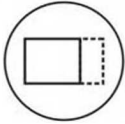


Modular structure for easy installation and maintenance



Greater energy efficiency, reduced running cost

**Features:**



• **Ultra compact design, small footprint**

The DYC series multifunction dehumidifier is specially designed for the actual needs of the project machine room. With compact design, length is 20% shorter than before, and the footprint is small, which increased flexibility and overall value of project construction.



• **One machine with multiple functions to meet all seasonal needs of swimming pool**

The DYC series multifunction dehumidifier integrates five functions of constant temperature, dehumidification, water heating, heat energy recovery and fresh air handling, and comprehensively creates a high-quality air environment for swimming pools.



• **Automatic control, intelligent, convenient and worry-free**

The DYC series multifunction dehumidifier can automatically balance the pool water and air heating, automatically switch the operation mode according to the temperature and humidity of the swimming pool room, automatically dehumidify at a constant temperature, and automatically follow the preset running time to run regularly. Automatically determine the number of automatic startups according to the load of the swimming pool room, effectively avoiding unit damage or fault alarm caused by poor heat dissipation of the outdoor condenser.



• **Large circulating air volume design**

The DYC series multifunction dehumidifier is designed with a large circulating air volume, which increases the dehumidification capacity of the unit and greatly improves the user's experience in swimming pool room.



• **Smart design, excellent performance**

Through perfect pre-sales service and engineering design, LASWIM provides clients with end-to-end solutions that deliver outstanding performance and customized intelligent design to effectively solve various engineering problems.



## DYC SERIES INDOOR SWIMMING POOL MULTIFUNCTION DEHUMIDIFIER

### Technical parameters

Model	LAS40-DYC	LAS50-DYC	LAS65-DYC	LAS80-DYC	LAS100-DYC	LAS120-DYC
Dehumidification capacity (Kg/h)	40	50	65	80	100	120
Heat recovery capacity (kW)	63	79	110	136	164	192
Evaporator cooling capacity (kW)	56	69	95	118	143	167
Air volume (m <sup>3</sup> /h)	10000~12500	11000~15000	14000~18000	16000~20000	20000~27000	23000~31000
External residual pressure (Pa)	450	450	450	450	450	550
Power supply (V/P/Hz)	380V/3N/50Hz					
Rated input power (kW)	21.6	28.4	33.6	42.0	50.7	59.9
Rated input current (A)	62	81	96	120	145	171
Net weight (Kg)	1550	1650	1750	2050	2350	2550
Dimension	L (mm)	3885	3985	4085	4485	5135
	W (mm)	1534	1735	1735	1834	2070
	H (mm)	1370	1370	1670	1900	1900
<b>Fan</b>						
Quantity (Set)	2					
Fan type	Centrifugal					
<b>Compressor</b>						
Quantity (Set)	1	1	1	1	2	2
Compressor type	Scroll					
<b>Cooling coil (Optional)</b>						
Heating capacity (kW)	60	60	80	120	120	160
Cold water flow rate (m <sup>3</sup> /h)	10.3	10.3	13.8	20.7	20.7	27.6
Pressure drop (KPa)	40	40	42	45	45	48
Inlet/outlet size	DN40	DN40	DN50	DN65	DN65	DN65
<b>Pool water condenser</b>						
Heat exchanger type	Titanium shell and tube type					
Heating capacity (kW)	21	26	33	41	49	58
Working pressure resistance (MPa)	0.4					
Water pressure drop (KPa)	37	38	42	44	45	46
Max. water temperature (°C)	40					
Water flow rate (m <sup>3</sup> /h)	6	7	9	12	14	17
Inlet/outlet size	De50	De50	De50	De63	De63	De63
<b>Outdoor condenser</b>						
Quantity (Set)	1	1	1	1	1	2
Dimension LxWxH (mm)	1232×972×1110	1651×936×1080	1651×936×1080	1981×1060×1315	1981×1060×1315	1651×936×1080 1651×936×1080
Input power (kW)	0.9	1.9	1.9	1.9	1.9	3.7
Net weight (Kg)	120	143	160	198	219	143+160
Connecting pipe diameter	φ22/φ19	φ22/φ19	φ28/φ22	φ28/φ22	φ22/φ19/φ28/φ22	φ22/φ19/φ28/φ22
Outdoor condenser model	LAS12PL	LAS15PL	LAS20PL	LAS25PL	LAS30PL	LAS15PL+LAS20PL



## Technical parameters

Model	LAS140-DYC	LAS150-DYC	LAS165-DYC	LAS180-DYC	LAS200-DYC
Dehumidification capacity (Kg/h)	140	150	165	180	200
Heat recovery capacity (kW)	217	245	271	299	327
Evaporator cooling capacity (kW)	189	213	236	260	284
Air volume (m <sup>3</sup> /h)	26000-34000	30000-40000	32000-42000	36000-46000	40000-52000
External residual pressure (Pa)	550	550	550	550	550
Power supply (V/P/Hz)	380V/3N/50Hz				
Rated input power (kW)	64.5	73.1	78.0	86.7	95.8
Rated input current (A)	184	208	222	247	273
Net weight (Kg)	2850	3050	3350	3500	3650
Dimension	L (mm)	5435	5500	5700	6000
	W (mm)	2070	2200	2400	2400
	H (mm)	2200	2200	2300	2450
<b>Fan</b>					
Quantity (Set)	2				
Fan type	Centrifugal				
<b>Compressor</b>					
Quantity (Set)	1	1	1	2	2
Compressor type	Scroll				
<b>Cooling coil (Optional)</b>					
Heating capacity (kW)	160	180	200	240	300
Cold water flow rate (m <sup>3</sup> /h)	27.6	31.0	34.4	41.3	51.6
Pressure drop (KPa)	48	49	49	51	52
Inlet/outlet size	DN65	DN65	DN80	DN80	DN100
<b>Pool water condenser</b>					
Heat exchanger type	Titanium shell and tube type				
Heating capacity (kW)	65	73	81	90	98
Working pressure resistance (MPa)	0.4				
Water pressure drop (KPa)	46	47	47	48	50
Max. water temperature (°C)	40				
Water flow rate (m <sup>3</sup> /h)	19	21	23	26	28
Inlet/outlet size	De63	De63	De63	De75	De75
<b>Outdoor condenser</b>					
Quantity (Set)	1	2	2	2	2
Dimension LxWxH (mm)	2306×1138×1432	1651×936×1080 1981×1060×1315	1981×1060×1315 1981×1060×1315	1981×1060×1315 1981×1060×1315	1651×936×1080 2306×1138×1432
Input power (kW)	3.5	3.7	3.7	3.7	5.3
Net weight (Kg)	278	160+198	198+198	198+219	160+278
Connecting pipe diameter	(φ28/φ22)×2	(φ28/φ22)×2	(φ28/φ22)×2	φ28/φ22/φ28/φ22/φ22/φ19	(φ28/φ22)×3
Outdoor condenser model	LAS40PL	LAS20PL+LAS25PL	LAS25PL+LAS25PL	LAS25PL+LAS30PL	LAS20PL+LAS40PL

### Remarks:

- Testing condition: ambient air temperature 29°C, RH 65%, pool water condenser inlet water temperature 26°C, outlet water temperature 28°C, outdoor temperature 32°C ;
- Pool water condenser: if cooling or heating capacity is insufficient, auxiliary cooling/heating coil can be selected according to the actual heat exchange demand. The cooling capacity is calculated as inlet water temperature 7°C, heating capacity is calculated as inlet water temperature 60°C.
- External residual pressure can be adjusted as required.
- Outdoor condenser can be set to a water-cooled condenser according to user's requirements.
- The unit structure can be made into split structure according to user's requirements.
- The data is subject to change without prior notice due to product improvements.

## MOVEABLE DEHUMIDIFIER

### Features:

- Microcomputer automatic control.
- Unique humidity of 1%RH adjustable function, humidity setting range is 10%-98%RH.
- 1-24 hours' timer shutdown function.
- Efficient automatic frost system, suitable for use under low temperature.
- High-quality centrifugal fan, strong wind, uniform airflow and low noise.
- International brand compressor, stable performance, long-lasting and strong dehumidification effect.
- Large LCD screen display, real-time monitoring of current ambient temperature, humidity and operating status.
- Perfect automatic diagnosis function of system failure, which can quickly diagnose the operation failure of the unit.
- Can be connected with hose to realize continuous drainage.
- The bottom is equipped with a universal wheel, which can move freely.

HEAT PUMP



Precise control  
of humidity



Smart defrost



Overload protection



### Technical parameters

Model	LAS6.8-DF	LAS12-DF	LAS20-DF	LAS25-DF
Adjustment range		10%-98%		
Control precision		±3% RH		
Power supply		220V~ 50Hz		
Dehumidification (27°C/60% RH)(kg/h)	3.4	5.1	9.5	11
Dehumidification (30°C/80% RH)(kg/h)	6.8	8.8	15	18
Dehumidification (35°C/90% RH)(kg/h)	8	10	20	25
Rated power	1.6	2.6	5.4	6.0
High power	2.0	3.2	7.0	7.4
Maximum power (KW)	2.4	3.9	8.7	9.5
Air volume (m³/h)	1100	1200	2200	2500
Refrigerant type	R22			
Type of protection	I			
Dimensions (mm)	650x410x1500	685x405x1640	1065x430x1690	1200x475x1700
Net weight (kg)	80	97	160	191
Recommended area ( m² )	200-250	300-350	500-650	550-750

### Remarks:

- The floor height of the above recommended area is 2.6-3m.
- The data is subject to change without prior notice due to product improvement.

# MOVEABLE DEHUMIDIFIER

## Features:

- Microcomputer automatic control.
- Large LCD display of current ambient temperature, humidity and operating status.
- Unique humidity of 1%RH adjustable function, humidity setting range is 10%-98%.
- 1-24 hours' timer shutdown function.
- Efficient automatic defrost system, suitable for use under low temperature.
- Perfect system fault automatic diagnosis function, which can quickly diagnose the operation fault of the unit.
- The bottom is equipped with a universal wheel, which can move freely.
- High-quality centrifugal fan, strong wind, uniform airflow and low noise.
- International brand compressor, stable performance, long-lasting and strong dehumidification effect.



Precise control of humidity



Smart defrost



Overload protection

## Technical parameters

Model	WL-CF6.8DT	WL-CF10KT	WL-CF12KT	WL-CF15KT	WL-CF20KT
Adjustment range	10%~98%RH	10%~98%RH	10%~98%RH	10%~98%RH	10%~98%RH
Control precision	±3%RH	±3%RH	±3%RH	±3%RH	±3%RH
Power supply	220V ~ 50Hz	380V 3N~ 50Hz	380V 3N~50Hz	380V 3N~50Hz	380V 3N~50Hz
Dehumidification (27°C/60%RH)	4.1kg/h	6.1kg/h	6.9kg/h	9.6kg/h	13.1kg/h
Dehumidification (30°C/80%RH)	6.8kg/h	10kg/h	12kg/h	15kg/h	20kg/h
Dehumidification (35°C/90%RH)	8.6kg/h	13.1kg/h	14.6kg/h	20.1kg/h	25.1kg/h
Rated power (27°C/60%RH)	1900W	2650W	3200W	4500W	5500W
Rated power (30°C/80%RH)	2300W	3400W	4000W	5500W	6800W
Rated power (35°C/90%RH)	2900W	4150W	5000W	6600W	8500W
Air volume (m <sup>3</sup> /h)	1200	1800	2000	3000	3500
Refrigerant type	R410A	R410A	R410A	R410A	R410A
Type of protection	I	I	I	I	I
Dimensions (mm)	615×405×1550	763×472×1680	763×472×1680	980×472×1740	1200×475×1745
Net weight (kg)	84	128	125	156	204
Recommended area (m <sup>2</sup> )	200~250	300~350	300~380	400~550	550~700

## Remarks:

- The floor height of the above recommended area is 2.6-3m.
- The data is subject to change without prior notice due to product improvement.

## WALL MOUNTED DEHUMIDIFIER

### Features:

- Microcomputer automatic control.
- LCD display of current ambient temperature and humidity.
- Unique humidity of 1%RH adjustable function.
- 1-24 hours' timer shutdown function.
- Efficient automatic frost system, suitable for use under low temperature.
- Window-type hydrophilic aluminum foil fins greatly improve heat exchange energy efficiency.
- Intelligent control system, can quickly determine the cause of failure.
- High-quality centrifugal fan, strong wind, uniform airflow and low noise.
- International brand compressor, stable performance, long-lasting and strong dehumidification effect.



Precise control of humidity



Smart defrost



Overload protection

HEAT PUMP

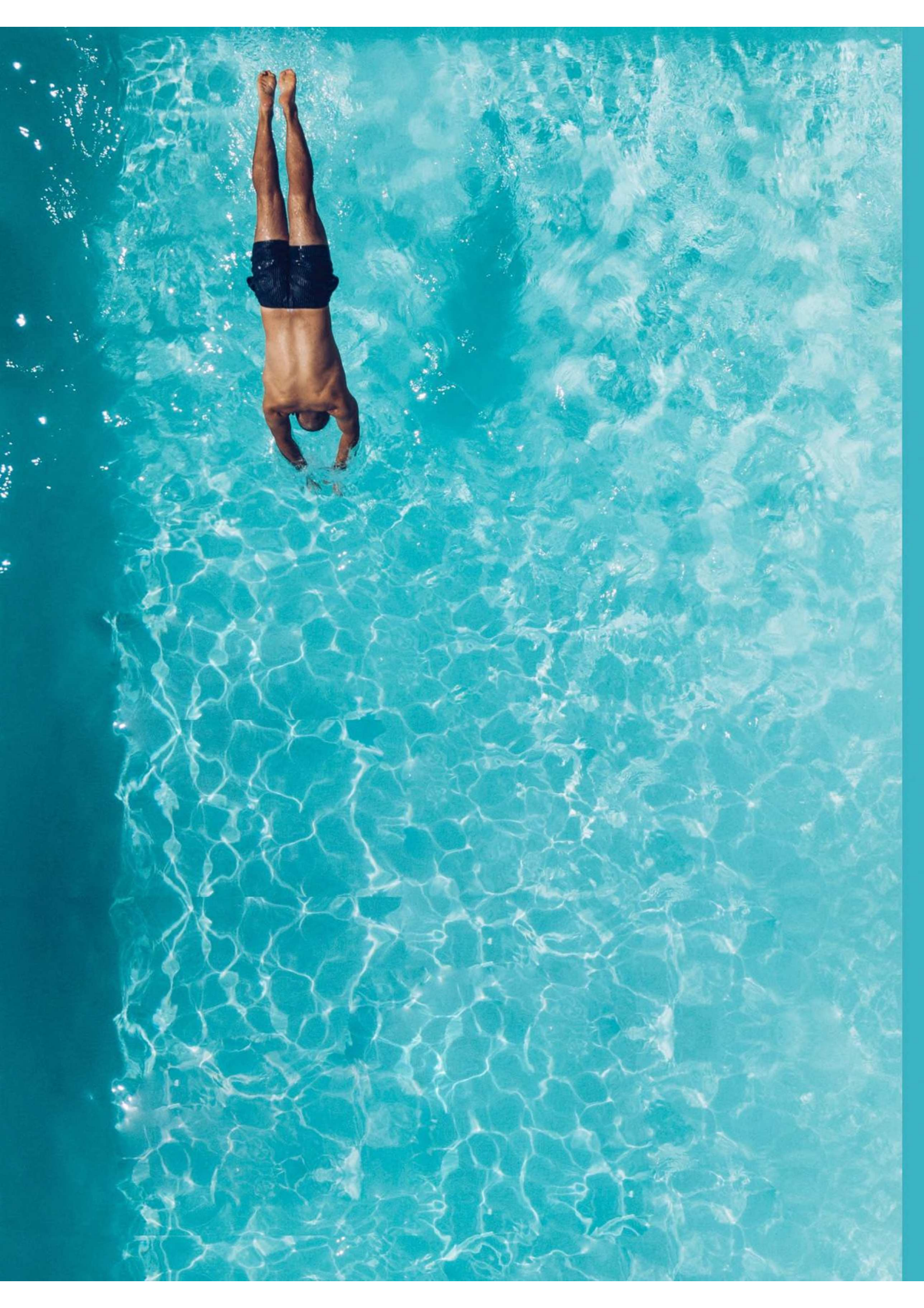
### Technical parameters

Model	WL-CFB4.0D	WL-CFB5.0D	WL-CFB6.0D	WL-CFB8.8
Dehumidification	4kg/h	5kg/h	6kg/h	8.8kg/h
Adjustment range	10-98%RH	10-98%RH	10-98%RH	10-98%RH
Control precision	±3%RH	±3%RH	±3%RH	±3%RH
Power supply	220V~50Hz	220V~50Hz	220V~50Hz	380V 3N~50Hz
Rated power	1150W	1550W	2000W	3650W
Air volume (m <sup>3</sup> /h)	1000	1300	1500	2500
Refrigerant type	R22	R22	R22	R22
Net weight (kg)	55	57	80	110
Dimensions (mm)	802×291×800	802×291×800	972×330×1000	1400×380×1050
Recommended area (m <sup>2</sup> )	90-110	130-150	150-180	200-300

### Remarks:

- The floor height of the above recommended area is 2.6-3m.
- The data is subject to change without prior notice due to product improvement.





# COMPETITION POOL EQUIPMENT



STARTING PLATFORMS

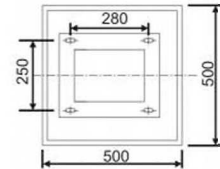
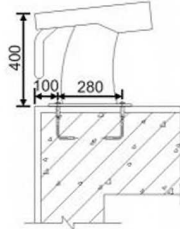
# STARTING PLATFORMS

## COMPETITION POOL EQUIPMENT

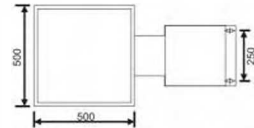
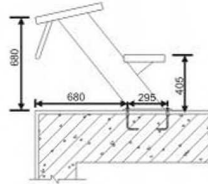
Universally acclaimed by coaches and competitive swimmers, this platform is graceful and functionally simplistic. It meets FINA requirements. The surface area is covered with non-slip material.



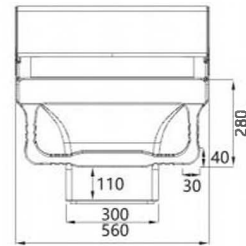
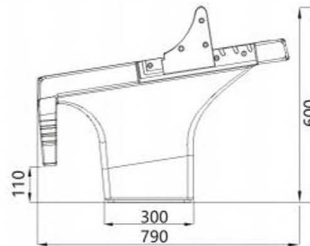
WL-ACF01 Standard Starting Platform



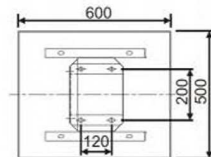
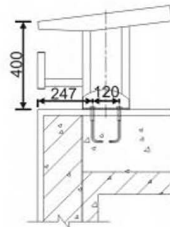
WL-ACF02 SS Two Steps Starting Platform



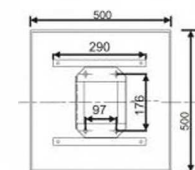
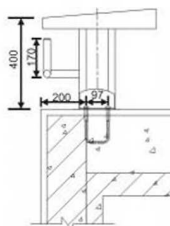
WL-ACF03 Standard Starting Platform



WL-BCF01 Standard Starting Platform

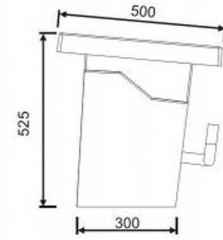
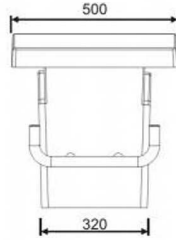


WL-BCF02 Standard Starting Platform

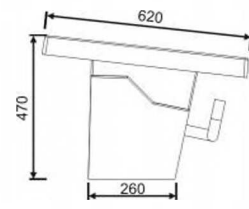
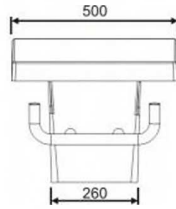




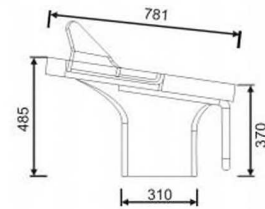
WL-ACF05 Standard Starting Platform



WL-ACF06 Standard Starting Platform



WL-ACF07 Standard Starting Platform

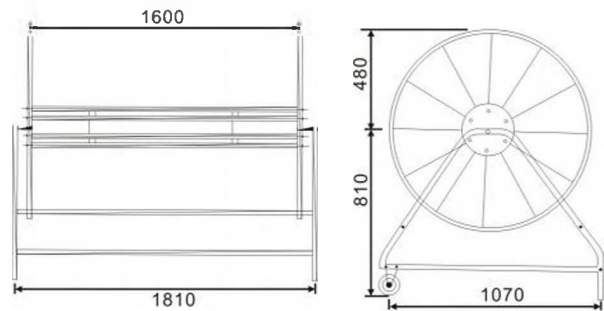


## STORAGE REEL COMPETITION POOL EQUIPMENT



WL-AJX01

Made of stainless steel, provided with a large diameter wheel for line collection, mounted on 2 wheels for moving around. It is very strong and durable. Holds one 50m or two 25m lanes. Maintenance free. It is ideal lane reel for commercial and institutional pools.



## RACING LANE LINE



Racing Lane's flow-through design controls water turbulence by allowing wave energy to be dispersed along the length of the lane, creating the optimum environment for the fastest swim times.

Each lane consists of a series of  $\phi$  120 or  $\phi$  150mm polyethylene disks and donuts strung on a stainless steel cable. Each of these disks is designed to rotate independently of the others, thereby allowing the wave energy to be absorbed and dispersed along the channel within the lane. Competitor lanes come completely assembled.

Standard Colors - Red, White, Blue, Yellow, Green.



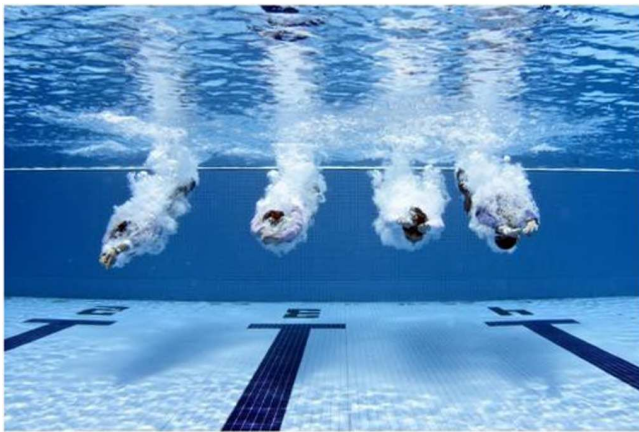
Model	Specification
WL-BYD101	$\phi$ 150×25m
WL-BYD102	$\phi$ 150×50m
WL-BYD201	$\phi$ 120×25m
WL-BYD202	$\phi$ 120×50m

## UNDERWATER OBSERVATION WINDOW COMPETITION POOL EQUIPMENT

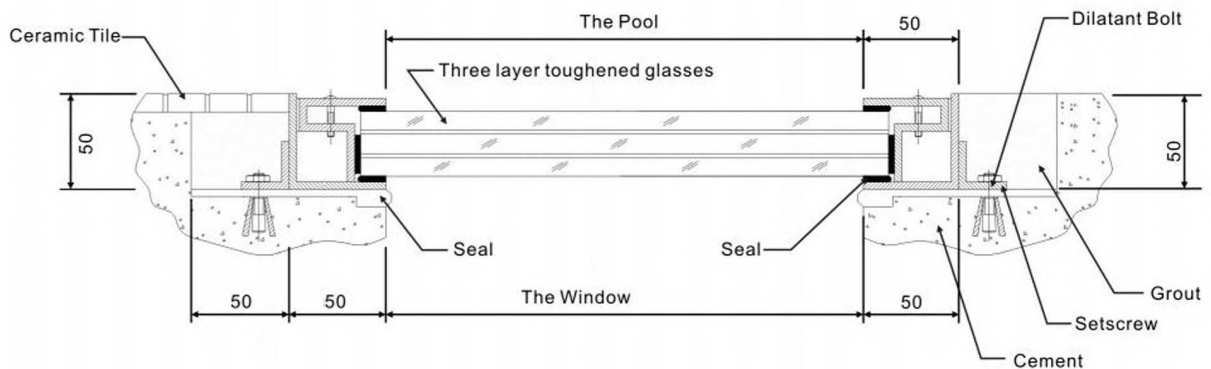
A valuable aid to instruction and coaches, underwater observation windows are relatively easy to build into swimming pool and diving pool under construction and virtually impossible to add afterwards. They are extra heavy duty, engineered for safety and minimum optical distortion. Framing and hardware are stainless steel, with glazing made of Bullet Resistant Glazing. Far safer than tempered glass, these glazes are specified for use in military underwater applications. All windows are shipped factory sealed and pressure tested.



Rectangular Underwater Observation Window



Round Underwater Observation Window



Name	Model	Length/height (Can be made by special order)	Width (Can be made by special order)
Underwater Observation Window(Rectangular)	WL-AGC11	900mm	900mm
Underwater Observation Window(Rectangular)	WL-AGC12	1200mm	900mm
Underwater Observation Window(Round)	WL-AGC21	Φ565mm	



# HYDROTHERAPY EQUIPMENT



SPA BED



# COPPER JETS

## HYDROTHERAPY EQUIPMENT



**Round 3 Holes Jet**  
 Diameter :  $\Phi 50.8$  MM  
 Rate : 15 M<sup>3</sup>/HR  
 Model : WL-C001



**Round 5 Holes Jet**  
 Diameter :  $\Phi 50.8$  MM  
 Rate : 20 M<sup>3</sup>/HR  
 Model : WL-C002



**Round 6 Holes Jet**  
 Diameter :  $\Phi 50.8$  MM  
 Rate : 20 M<sup>3</sup>/HR  
 Model : WL-C003



**Round Ring Jet**  
 Diameter :  $\Phi 50.8$  MM  
 Rate : 22 M<sup>3</sup>/HR  
 Model : WL-C004



**Flat - Round 4 Holes  
 Radiate Jet**  
 Diameter :  $\Phi 50.8$  MM  
 Rate : 20 M<sup>3</sup>/HR  
 Model : WL-C005



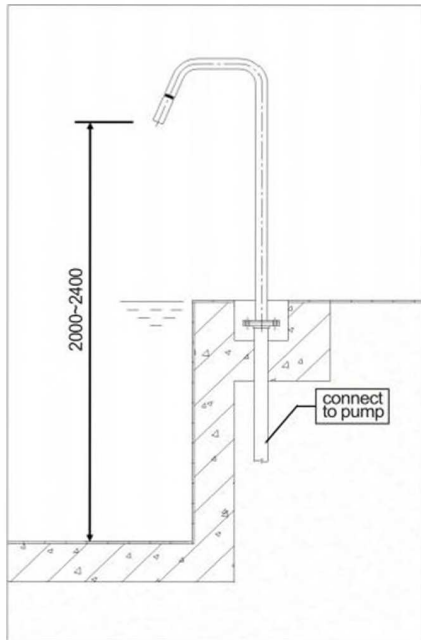
**Flat - Round 4 Holes  
 Sector Jet**  
 Diameter :  $\Phi 50.8$  MM  
 Rate : 20 M<sup>3</sup>/HR  
 Model : WL-C006



**Flat - Round Radiate Jet**  
 Diameter :  $\Phi 50.8$  MM  
 Rate : 20 M<sup>3</sup>/HR  
 Model : WL-C007



## STAINLESS STEEL SUPPORT FOR JET HYDROTHERAPY EQUIPMENT



(Φ51mm O.Dx1.5mm Wall)

Model	Dia.	Height (mm)
WT-S01	Φ51	1430
WT-S02	Φ51	1630
WT-S03	Φ51	1830
WT-S04	Φ51	2030



Model	Material	Length(mm)	Width(mm)
WL-WQ101	Stainless steel	980	220
WL-WQ201	Stainless steel	2000	200

# UMBRELLA

## HYDROTHERAPY EQUIPMENT



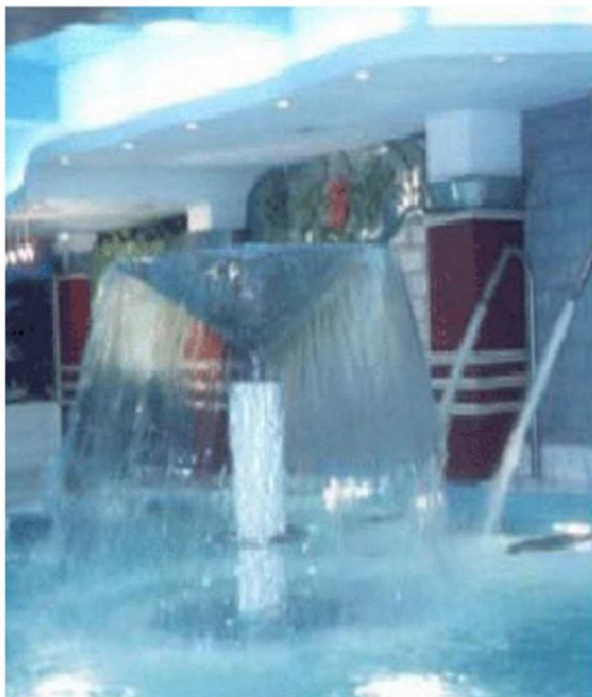
MUSHROOM

Name	Model	Material	Diameter (mm)	Knighthead Height (mm)
Model I	WL-C401	Stainless steel	1200	2000



UMBRELLA

Name	Model	Material	Diameter (mm)	Height (mm)
Umbrella	WL-C501	Stainless steel	1200	2000



GOBLET

Name	Model	Diameter (mm)	(H/Knighthead) (mm)
Goblet	WL-C601	1400	2000



Model I

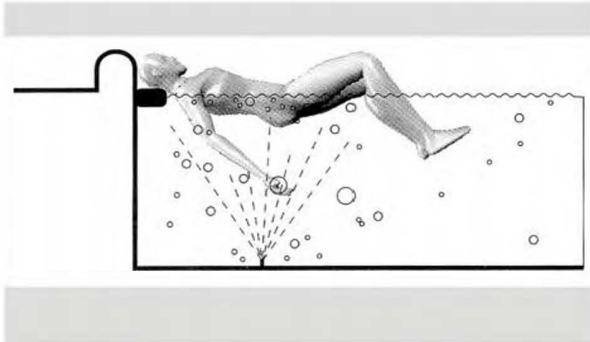


Model II

WATERFALL/CURTAIN

Name	Model	Material	Width (mm)	Height (mm)
Model I	WL-C301	Stainless steel	500	1100
Model II	WL-C302	Stainless steel	500	900

## FLOAT HYDROTHERAPY EQUIPMENT



Float box

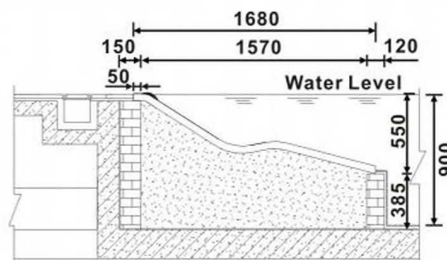
Name	Model	Material	length x width (mm)	Height (mm)
Float box	WL-B301	Stainless steel	400x400	70



Air bubble box

Name	Model	Material	Diameter (mm)	Height (mm)
Air bubble box	WL-B201	Stainless steel	280	100
	WL-B202	Stainless steel	350	80

## SPA BED



WL-SC101

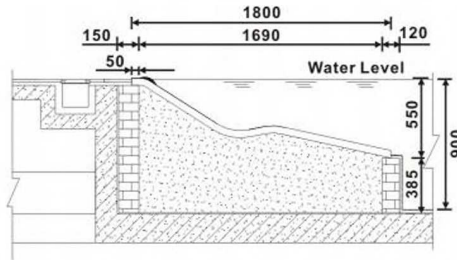
Model	Material	Length(mm)	Width(mm)
WL-SC101	Acryl	1680	600

# SPA BED

## HYDROTHERAPY EQUIPMENT



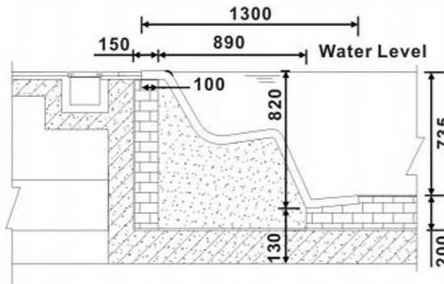
WL-SC201



Model	Material	Length(mm)	Width(mm)
WL-SC201	Acryl	1800	750



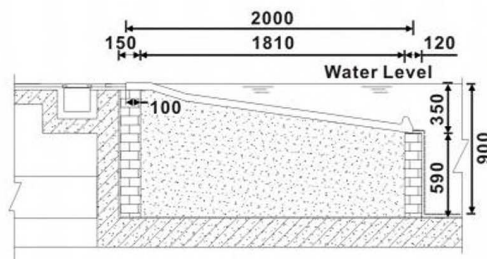
WL-SC301



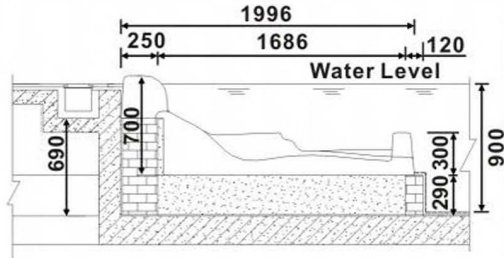
Model	Material	Length(mm)	Width(mm)
WL-SC301	Acryl	1300	700



WL-SC401

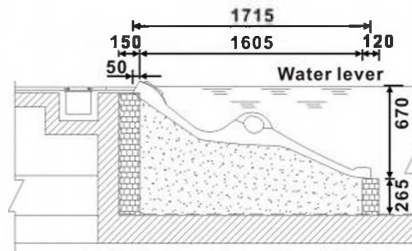


Model	Material	Length(mm)	Width(mm)
WL-SC401	Acryl	2000	725



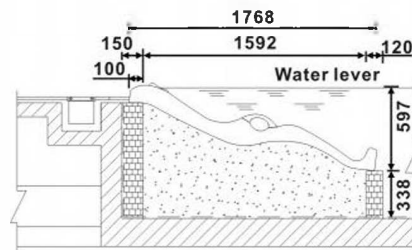
Model	Material	Length(mm)	Width(mm)
WL-SC501	Acryl	1996	880

WL-SC501



Model	Material	Length(mm)	Width(mm)
WL-SC601	Acryl	1770	710

WL-SC601



Model	Material	Length(mm)	Width(mm)
WL-SC701	Acryl	1800	750

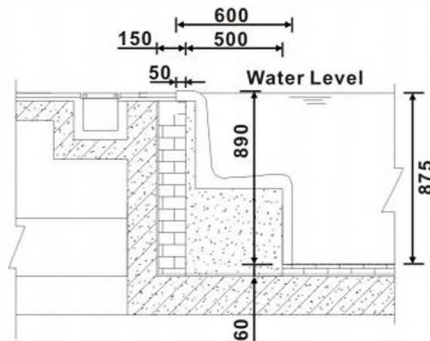
WL-SC701

# SPA BED

## HYDROTHERAPY EQUIPMENT



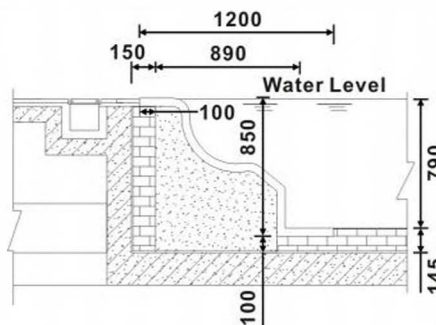
WL-ZY101



Model	Material	Length(mm)	Width(mm)
WL-ZY101	Acryl	890	550



WL-ZY201



Model	Material	Length(mm)	Width(mm)
WL-ZY201	Acryl	850	750



Aquatic Injection Massage Room



Model	Length(mm)	Width(mm)
WL-MW01	1680	Ø1162/702

# POOL FITTINGS & CLEANERS

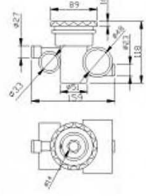


POOL FITTINGS

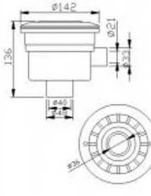


# POOL FITTINGS

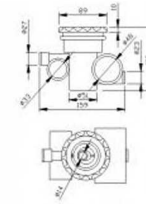
## POOL FITTINGS & CLEANERS



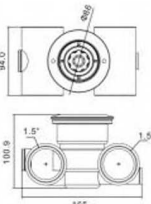
Products	Jet
Model	WL-APH02
Colour	White
Material	ABS



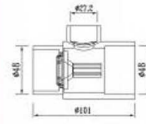
Products	Jet
Model	WL-APH03
Colour	White
Material	ABS



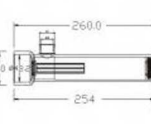
Products	Jet
Model	WL-AXP01
Colour	White
Material	ABS



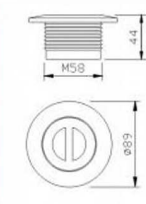
Products	Jet
Model	WL-BPH02
Colour	White
Material	ABS



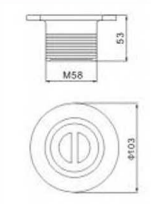
Products	Jet
Model	WL-ASL01
Colour	White
Material	ABS



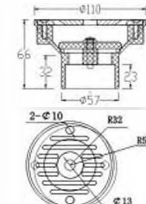
Products	Jet
Model	WL-ASL02
Colour	White
Material	ABS



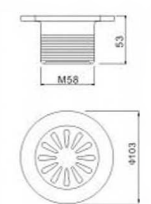
Products	Suction Head
Model	WL-ACW01
Colour	White
Material	ABS



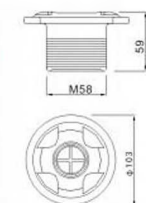
Products	Suction Head
Model	WL-ACW02
Colour	White
Material	ABS



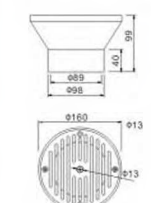
Products	Adjustable Inlet (1.5")
Model	WL-AJH01
Colour	White
Material	ABS



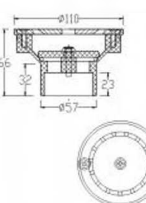
Products	Adjustable Inlet
Model	WL-AJH02
Colour	White
Material	ABS



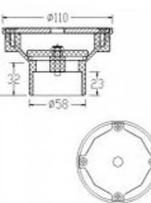
Products	Adjustable Inlet
Model	WL-AJH03
Colour	White
Material	ABS



Products	Adjustable Inlet (3")
Model	WL-AJH31
Colour	White
Material	ABS




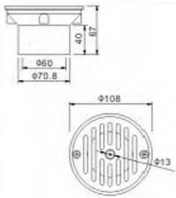
Products	Adjustable Inlet
Model	WL-AJH04
Colour	White
Material	ABS




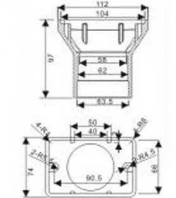
Products	Adjustable Inlet
Model	WL-AJH05
Colour	White
Material	ABS

POOL FITTINGS & CLEANERS


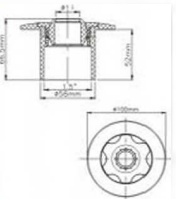
## POOL FITTINGS POOL FITTINGS & CLEANERS


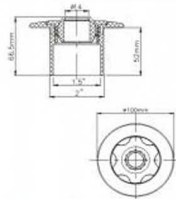
Products	Adjustable Inlet(2")
Model	WL-AJH21
Colour	White
Material	ABS


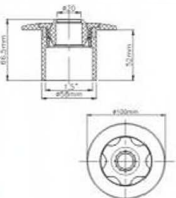
Products	Gutter Drain
Model	WL-AYK01
Colour	White
Material	ABS


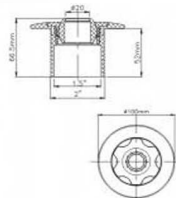
Products	Eyeball Inlet For Concrete Pool
Model	WL-EJH14C
Colour	White
Material	ABS


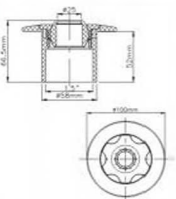
Products	Eyeball Inlet
Model	WL-EJH14V
Colour	White
Material	ABS


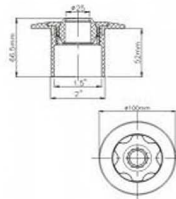
Products	Eyeball Inlet For Concrete Pool
Model	WL-EJH20C
Colour	White
Material	ABS


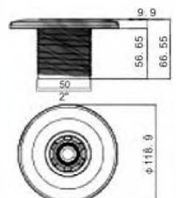
Products	Eyeball Inlet
Model	WL-EJH20V
Colour	White
Material	ABS


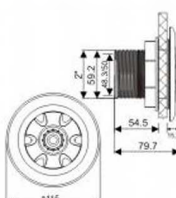
Products	Eyeball Inlet For Concrete Pool
Model	WL-EJH25C
Colour	White
Material	ABS


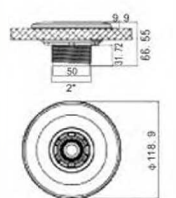
Products	Eyeball Inlet
Model	WL-EJH25V
Colour	White
Material	ABS


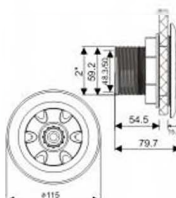
Products	Multiflow Wall Inlets
Model	PA00295C
Colour	White
Material	ABS

Products	Multiflow Wall Inlets
Model	WL-PJH14V
Colour	White
Material	ABS


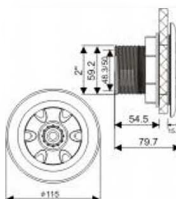
Products	Multiflow Wall Inlets
Model	PA00295V
Colour	White
Material	ABS

Products	Multiflow Wall Inlets
Model	WL-PJH20V
Colour	White
Material	ABS




Products	Multiflow Wall Inlets for liner pool
Model	PA00330
Colour	White
Material	ABS

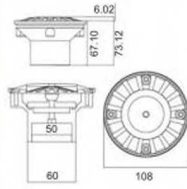



Products	Multiflow Wall Inlets
Model	WL-PJH25V
Colour	White
Material	ABS

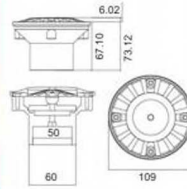
POOL FITTINGS &  
CLEANERS

# POOL FITTINGS

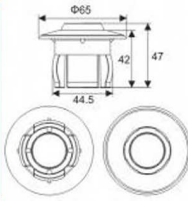
## POOL FITTINGS & CLEANERS



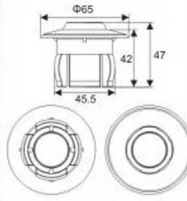
Products	Floor Inlet
Model	PADF2825C
Colour	White
Material	ABS



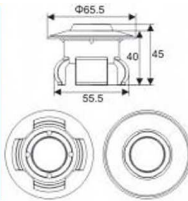
Products	Floor Inlet
Model	PADF2825V
Colour	White
Material	ABS



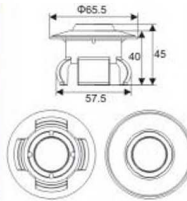
Products	Eyeball Jet
Model	ES25A
Colour	White
Material	ABS



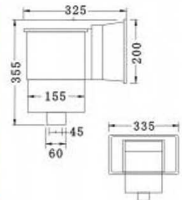
Products	Eyeball Jet
Model	ES25B
Colour	White
Material	ABS



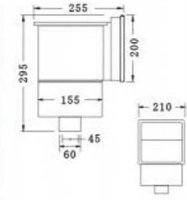
Products	Eyeball Jet
Model	ES25C
Colour	White
Material	ABS



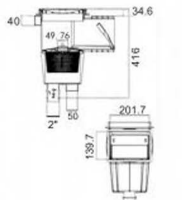
Products	Eyeball Jet
Model	ES25D
Colour	White
Material	ABS



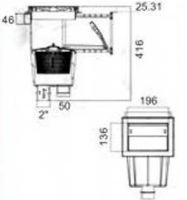
Products	Wide Mouth Wall Skimmer
Model	WL-APZ01
Colour	White
Material	ABS



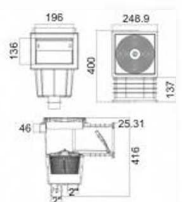
Products	Standard Wall Skimmer
Model	WL-APZ02
Colour	White
Material	ABS



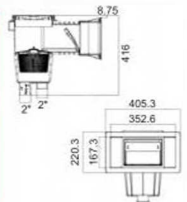
Products	Standard Skimmer
Model	PA00249C
Colour	White
Material	ABS



Products	Standard Skimmer
Model	PA00249V
Colour	White
Material	ABS

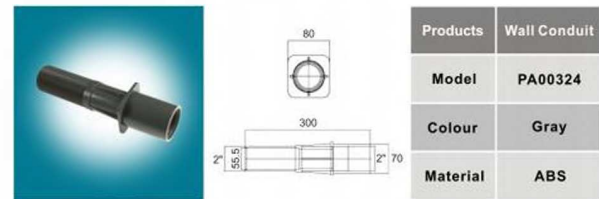
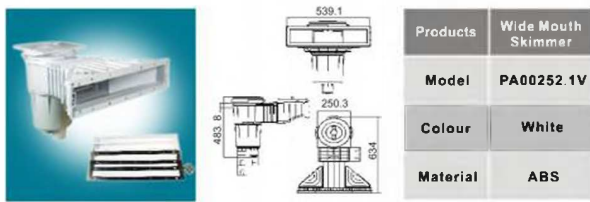
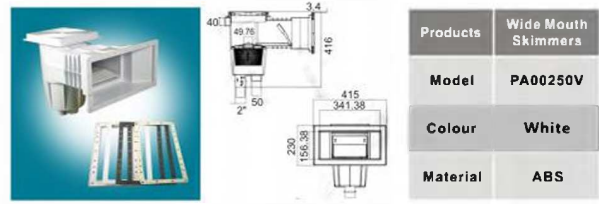
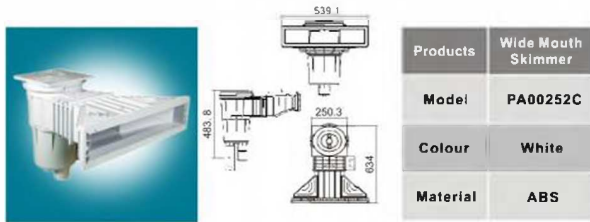


Products	Standard Skimmer
Model	PA00249.1V
Colour	White
Material	ABS



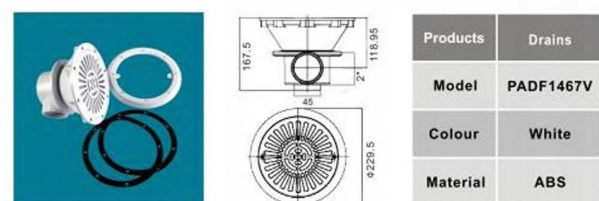
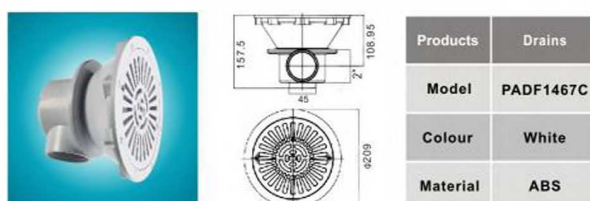
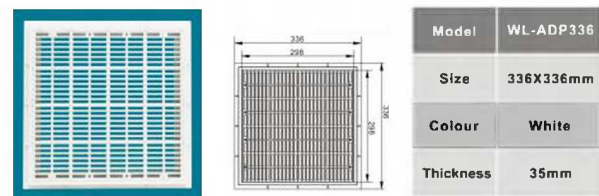
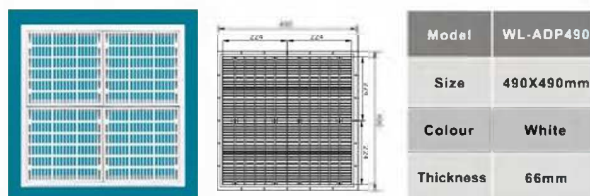
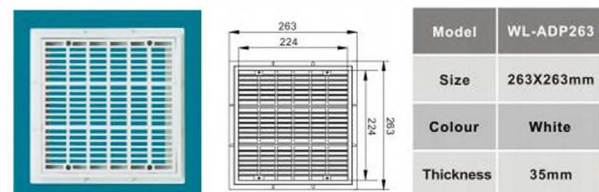
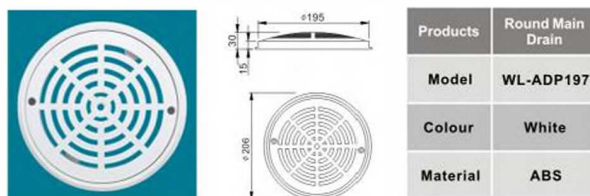
Products	Wide Mouth Skimmer
Model	PA00250C
Colour	White
Material	ABS

## POOL FITTINGS POOL FITTINGS & CLEANERS



## MAIN DRAINS

The main drains are available in a wide range of styles and sizes to satisfy any installation requirement of any concrete residential or commercial pools. These main drains are injection-molded of ABS, which resists chemical attack.

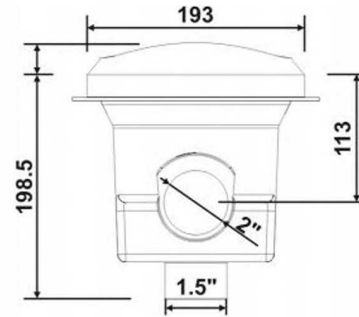
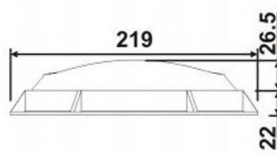
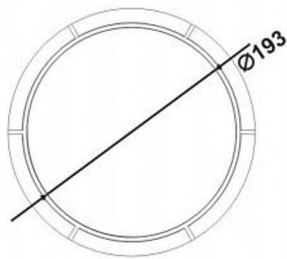


# ANTI-SUCTION MAIN DRAINS

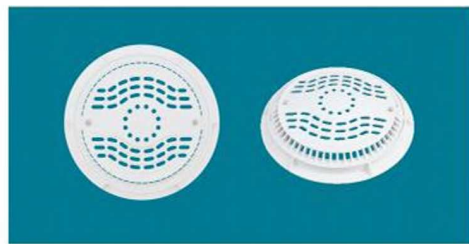
## POOL FITTINGS & CLEANERS

**Features:**

- Curved surface design, anti-suction.
- VGB compliant and tested to ANSI/APSP-16 standards.
- UV-resistant, corrosion resistant, not easy to fade, longer life time.
- Meets various flow rate requirements.



WL-JDP200AL



WL-JDP200BL



WL-JDP200AH



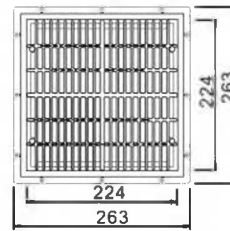
WL-JDP200BH

Model	Specification	Outlet	Cover Dia. (mm)	Height	Material	Max Flow Rate (m <sup>3</sup> /h)
WL-JDP200AL	cover + frame		193	22	ABS	33.5
WL-JDP200AH	cover+ body	side 2 bottom 1.5"	193	198.5	ABS	33.5
WL-JDP200BL	cover + frame		193	22	ABS	33.5
WL-JDP200BH	cover+ body	side 2 bottom 1.5"	193	198.5	ABS	33.5

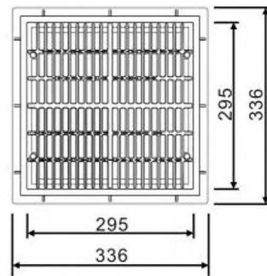
## ANTI-SUCTION MAIN DRAINS POOL FITTINGS & CLEANERS

Features:

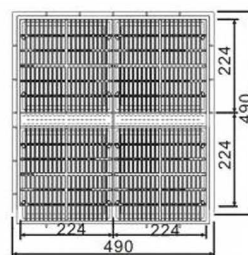
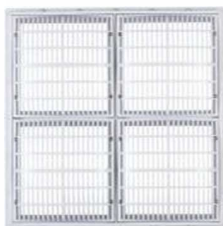
- Curved surface design, anti-suction.
- VGB compliant and tested to ANSI/APSP-7,2006 standards.
- Manufactured from UV- resistant engineered polymers.
- Used in new construction or to retrofit into existing Laswim frames.
- Meets various flow rate requirements.



WL-FDP9"



WL-FDP12"



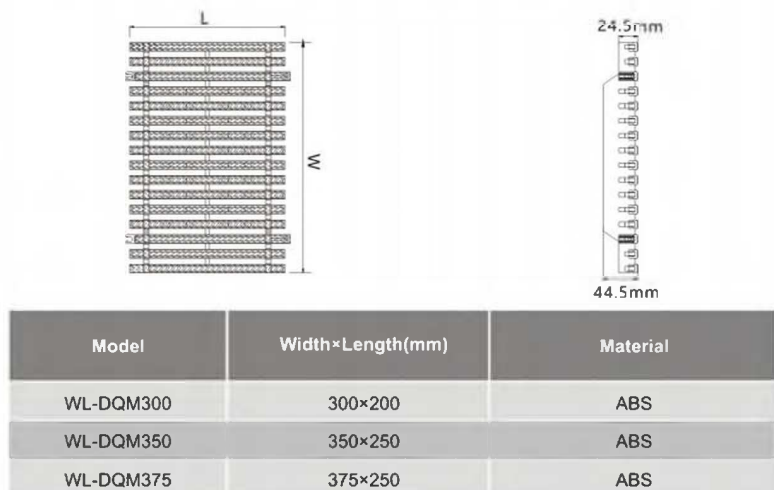
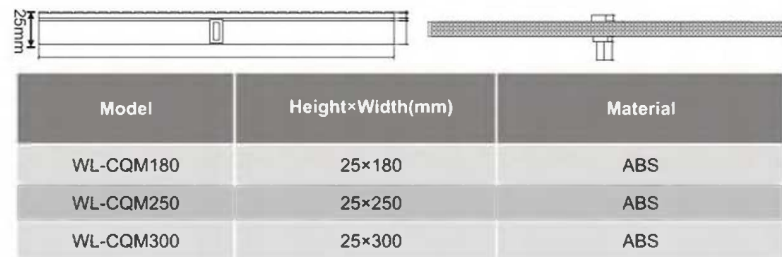
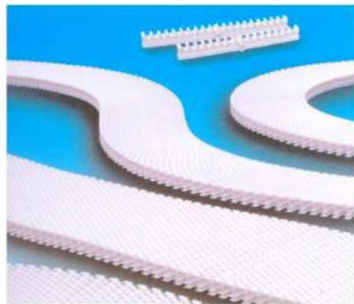
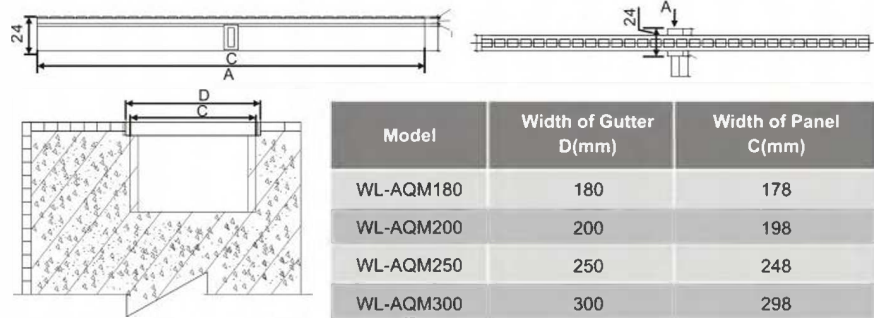
WL-FDP18"

Model	Size (inch/ mm)	Thickness (mm)	Material	Design Flow (m <sup>3</sup> /h)
WL-FDP9"	9" x 9" 263mm x 263mm	70	ABS	23
WL-FDP12"	12" x 12" 336mm x 336mm	78	ABS	88
WL-FDP18"	18" x 18" 490mm x 490mm	100	ABS	93

# GUTTER GRATINGS

## POOL FITTINGS & CLEANERS

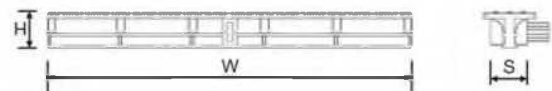
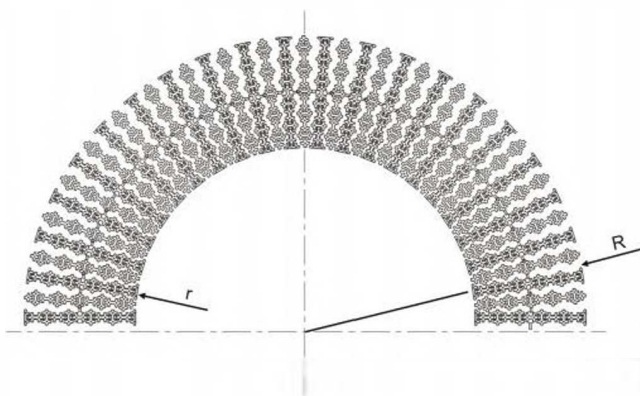
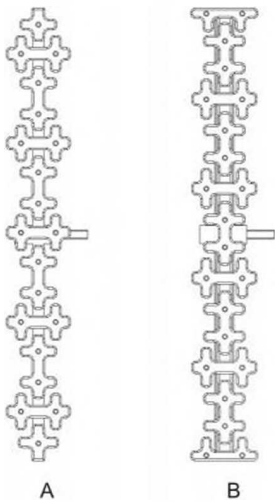
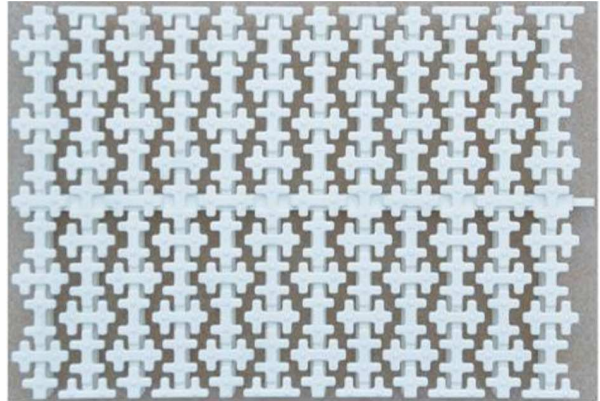
Gutter grating is molded in white UV resistant ABS. Top of grating features an anti-slip finish and it is composed of individual units connecting along a central spine. This design allows for easier installation without the need for cutting also allowing the grating to curve as necessary.



## GUTTER GRATINGS POOL FITTINGS & CLEANERS

**Features:**

- Comply with the standard of EN-13451 and CJJ122-2008.
- Anti-slip, safe, super strong, durable.
- UV-resistant, not easy to fade or break, longer using life.
- To be easy to install and flexible to meet a variety of different swimming pool specifications.
- Composed of Part A and Part B as below drawing, Length is adjustable.
- Can make an arc with minimum radius of 625mm.



Model	W(mm)	S(mm)	H(mm)	R(mm)	r(mm)
WL-HQM250	250	29	25	625	375



# SAFETY CHECK VALVE

## POOL FITTINGS & CLEANERS



WL-DZF50A/B

Safety Check Valve is an essential accessory for circulating pumps. Its main function is to avoid damaging the impeller when pump stops working.

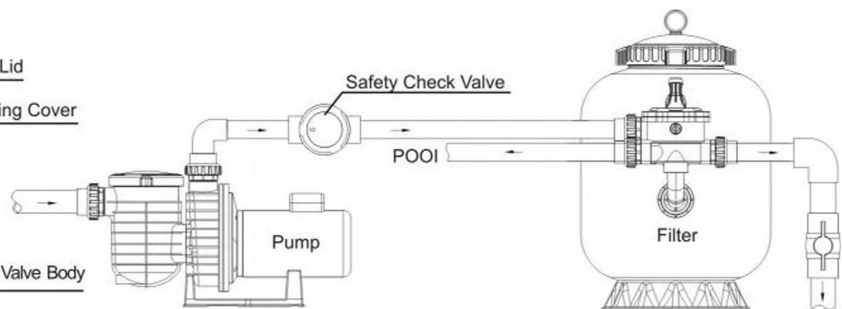
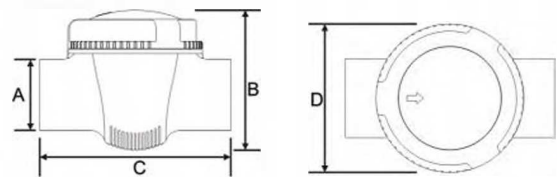
LASWIM Safety Check Valve is specially designed for swimming pool and spa and it relies on the flow of the liquid itself to turn on and turn off the seal baffle automatically, then form the directional flow of the liquid. It ensures the directional flow of water from swimming pool and spa and prevents water from backflow.

### Features:

- Transparent Lid, convenient to watch flow direction of water.
- Seal baffle and stainless steel spring with numerous tests ensure high performance and reliable quality.
- Being made of high quality engineering plastics, our Safety check valve is in high temperature resistance and corrosion resistance, which can adapt to acidic or alkaline fluid in temperature 5-50°C.
- Safety Check Valve in metric or imperial is optional, facilitating the installation.

DZF series Safety Check Valve has two models: model A and model B, model A :2" model B :Φ63mm

Model	A	B	C	D
DZF50-A	Φ2"	139	190	Φ134
DZF50-B	Φ63	139	190	Φ134



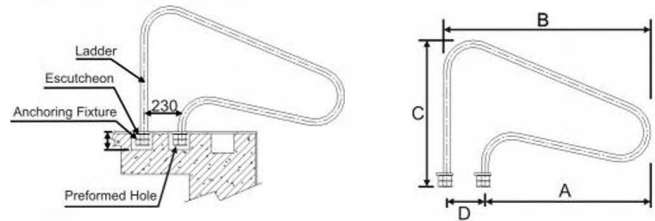
WL-DZF Series Exploded Drawing And Installation Diagram

# LADDERS

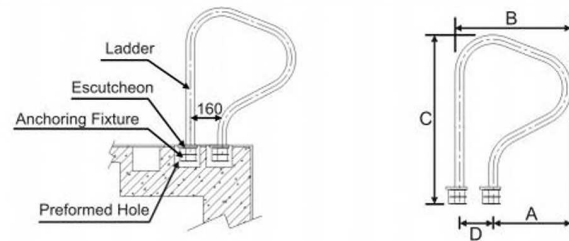
## POOL FITTINGS & CLEANERS

### 1. Grab Rails and Anchor Sockets

Closed rail design and constructed with polished Stainless Steel and Anchor Socket .

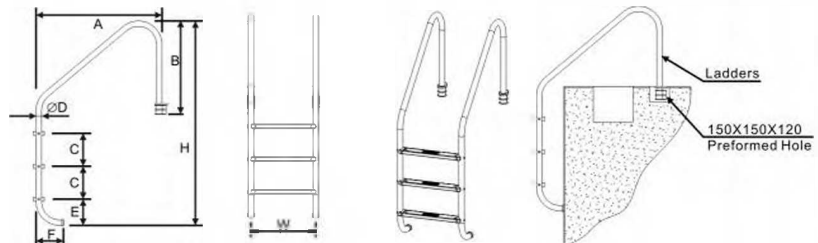


Model	A (mm)	B (mm)	C (mm)	D (mm)	Specification
WL-SRG	1000	1250	880	230	1 / 42



Model	A (mm)	B (mm)	C (mm)	D (mm)	Specification
WL-SRB	375	555	805	160	φ42

### 2. Ladder For Overflow Pool



Model	A (mm)	B (mm)	C (mm)	∅D (mm)	E (mm)	F (mm)	H (mm)	W (mm)
WL-KFT202	957	710	250	42	200	208	1306	500
WL-KFT203	957	710	250	42	200	208	1556	500
WL-KFT204	957	710	250	42	200	208	1806	500
WL-KFT205	957	710	250	42	200	208	2056	500

# LADDERS

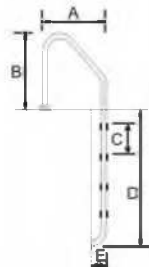
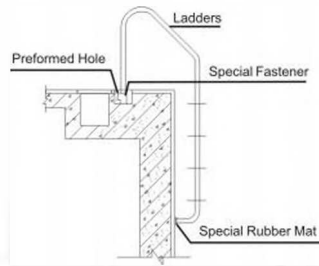
## POOL FITTINGS & CLEANERS

3. Ladders for embedded pools. Handrails in hand polished stainless steel pipe. Steps in stainless steel and anti-slip. Complete with anchoring fixtures and earth connection. Easy installation (with diameter 42mm) .

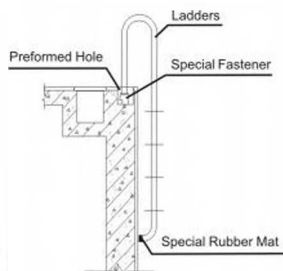


Anti-Slip Steps

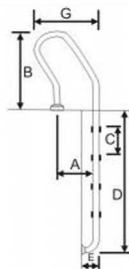
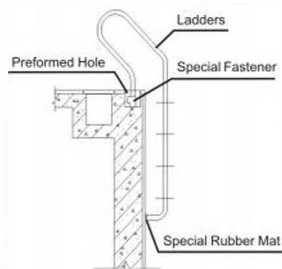
Anti-Slip Steps



Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	Specification
WL-SL202	645	720	250	580	170	500	Φ42
WL-SL203	645	720	250	830	170	500	
WL-SL204	645	720	250	1080	170	500	
WL-SL205	645	720	250	1330	170	500	



Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	Specification
WL-MC202	360	630	250	680	170	500	Φ42
WL-MC203	360	630	250	930	170	500	
WL-MC204	360	630	250	1180	170	500	
WL-MC205	360	630	250	1430	170	500	



Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Specification
WL-SF202	320	640	250	670	170	500	490	Φ42
WL-SF203	320	640	250	920	170	500	490	
WL-SF204	320	640	250	1170	170	500	490	
WL-SF205	320	640	250	1420	170	500	490	

## POOL FITTINGS & CLEANERS

### VACUUM HEADS. & JET VACS.



### BRUSHES.



### CHEMICAL DISPENSERS & TEST KITS.



# POOL FITTINGS & CLEANERS

## LEAF SKIMMERS.

 <b>Model: 1301</b> Standard leaf skimmer	 <b>Model: 1302</b> Heavy duty Plastic leaf skimmer w/ long wearing mesh	 <b>Model: 1303</b> Aluminum leaf skimmer (blue anodized handle)	 <b>Model: 1305</b> Professional heavy duty aluminum leaf skimmer	 <b>Model: 1306</b> Leaf skimmer with aluminum frame and plastic handle
 <b>Model: 1201</b> Economy deep bag skimmer	 <b>Model: 1202</b> Economy deep bag skimmer with aluminum handle	 <b>Model: 1203</b> Aluminum frame deep rake (Blue anodized handle)	 <b>Model: 1204</b> Heavy duty plastic leaf rake with long wearing mesh	 <b>Model: 1205</b> Professional heavy duty deep rake w/aluminum frame
 <b>Model: 1307</b> Leaf skimmer w/aluminum pole of 48"-122cm in 5 section	 <b>Model: 1310</b> Leaf skimmer w/ 60"-150cm aluminum pole	 <b>Model: 1309</b> Leaf skimmer w/ 48"-122cm aluminum pole	 <b>Model: 1308</b> Leaf skimmer with 3X14"-35cm telescopic pole	

## HOSE

### HOSE



Model	Description
WL-BXG01	Extruded PE. $\phi$ 1 1/2" - 7M
WL-BXG02	Extruded PE. $\phi$ 1 1/2" - 9M
WL-BXG04	Extruded PE. $\phi$ 1 1/2" - 13M
WL-BXG05	Extruded PE. $\phi$ 1 1/2" - 15M
WL-BXG06	Extruded PE. $\phi$ 1 1/2" - 30M
WL-BXG07	Extruded PE. $\phi$ 1 1/2" - 50M

### HOSE



Model	Description
3203	Vacuumhose $\phi$ 1/4" , 1m persection-36m
3803	Vacuumhose $\phi$ 1/2" , 1m persection-36m
3204	Vacuumhose $\phi$ 1/4" , 1m persection-50m
3804	Vacuumhose $\phi$ 1/2" , 1m persection-50m

### HOSE



Model	Description
3206	Spiralwound EVA. $\phi$ 1 1/4" -6M
3209	Spiralwound EVA. $\phi$ 1 1/4" -9M
3212	Spiralwound EVA. $\phi$ 1 1/4" -12M
3809	Spiralwound EVA. $\phi$ 1 1/2" -9M
3811	Spiralwound EVA. $\phi$ 1 1/2" -11M
3813	Spiralwound EVA. $\phi$ 1 1/2" -13M
3815	Spiralwound EVA. $\phi$ 1 1/2" -15M

### Telescopic Poles.

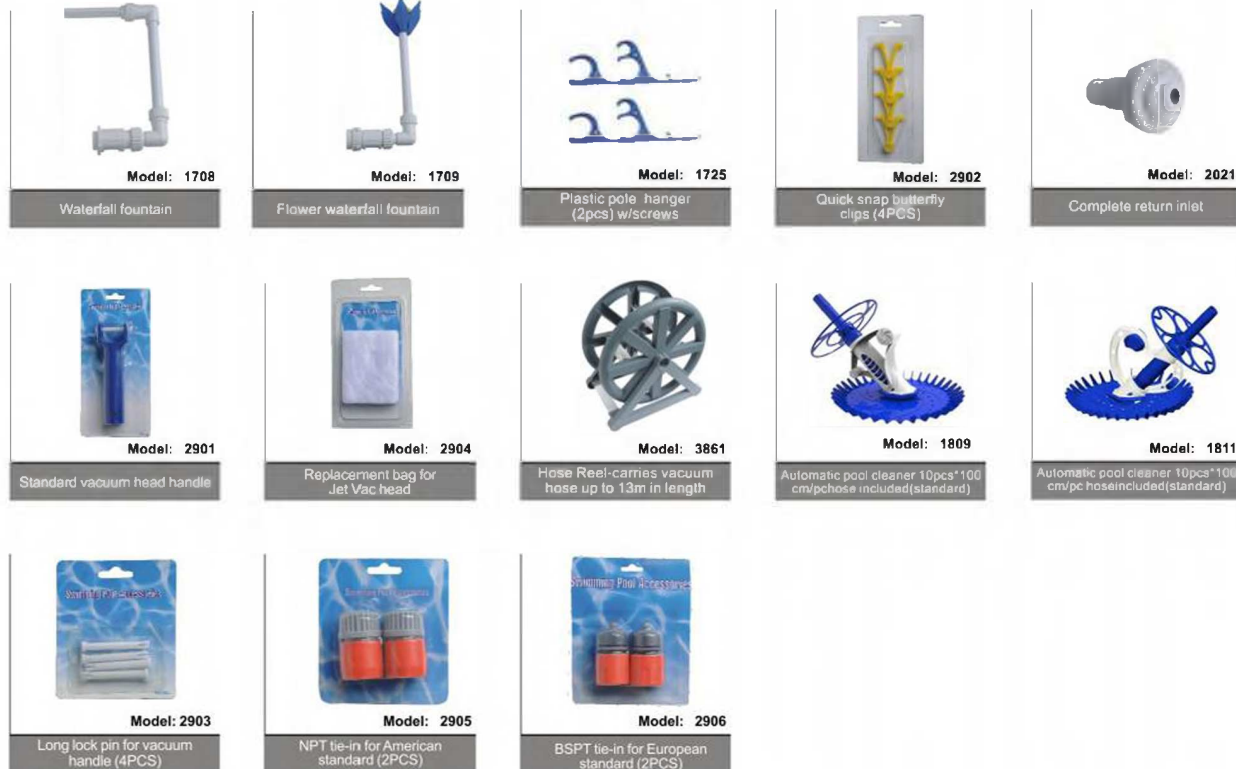


Model	Description
2212	2X120 cm Ribbed pole-0.8mm thick
2224A	2X240 cm Ribbed pole-0.8mm thick
2312	3X120 cm Ribbed pole-0.8mm thick
2330A	3X300 cm Ribbed pole-0.8mm thick
2224B	2X240 cm Ribbed pole-1.1mm thick
2230	2X300 cm Ribbed pole-1.1mm thick
2330B	3X300 cm Ribbed pole-1.1mm thick

## THERMOMETERS.



## FOUNTAINS & WALL SKIMMERS & SPARE PARTS



Model	Description
1717	Above ground pool cover reel W/ABS frame for 3-14" & 1-1/2" tubes(not include AL pole)
2321	Pole for 8341, 3*2.1m (hexagonal)
2327	Pole for 8341, 3*2.7m (hexagonal)
2335	Pole for 8341, 3*3.55m (hexagonal)



Model	Description
1718	Above ground pool Solar Reel System(not include AL pole)
2321	Pole for 8342, 3X2.1M
2324	Pole for 8342, 3X2.44M

# LASWIM SWIM SPA & FILTRATION UNITS

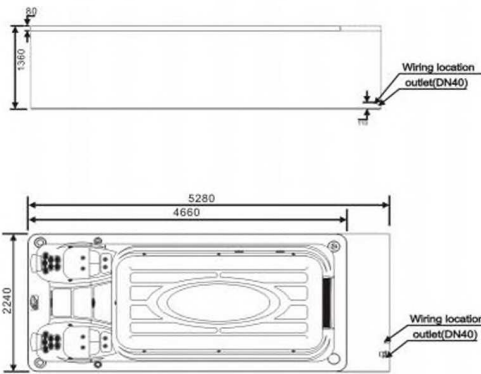


WL-RPU



# EP-33

## LASWIM SWIM SPA



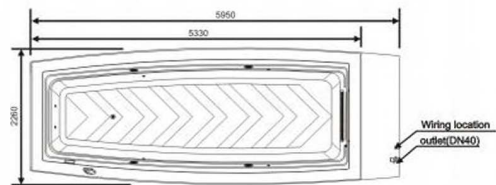
Model:	EP-33
Size(mm):	5280*2240*1360MM
N/W(kg):	1290KG
G/W(kg):	1437KG
Water capacity(T):	8T
Color:	Sterling silver
Circulating pump:	1*1HP
Heater:	11KW
Motor:	2.8KW
Massage pump:	1*3HP
Voltage:	220V/380V
Under water light:	1pc
Pillow:	2pcs
Disinfection system:	Ozone+UV
Water jets:	32pcs
Drain:	2pcs
Filter system:	Plastic sand filter+skimmer
Waterback:	1pc
Outlet:	1pc
Handrail:	1pc
Ladder:	NO
Skirt:	PS skirt
Roller cover:	Available (Optional)



**EP-35**  
**LASWIM SWIM SPA**

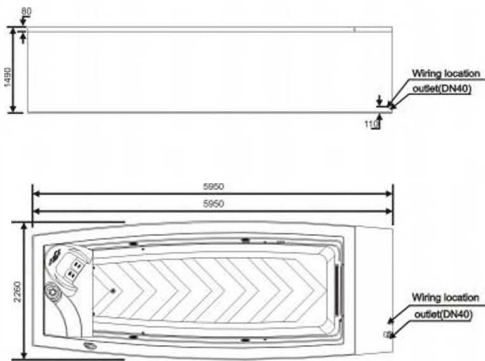


Model:	EP-35
Size(mm):	5950*2260*1490MM
N/W(kg):	1900KG
G/W(kg):	2100KG
Water capacity(T):	10T
Color:	Sterling silver
Circulating pump:	1*1HP
Heater:	11KW
Motor:	2.8KW
Massage pump:	NO
Voltage:	220V/380V
Under water light:	4pcs
Disinfection system:	Ozone+UV
Water jets:	6pcs
Drain:	1pc
Filter system:	Plastic sand filter+skimmer
Waterback:	1pc
Outlet:	1pc
Handrail:	1pc
Ladder:	YES
Skirt:	PS skirt
Roller cover:	Not available



# EP-36

## LASWIM SWIM SPA

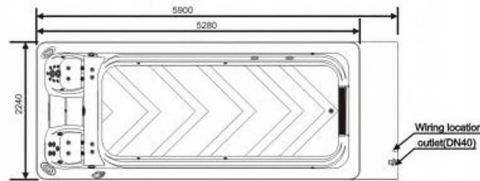


Model:	EP-36
Size(mm):	5950*2260*1490MM
N/W(kg):	1910KG
G/W(kg):	2110KG
Water capacity(T):	10T
Color:	Sterling silver
Circulating pump:	1*1HP
Heater:	11KW
Motor:	2.8KW
Massage pump:	1*2HP
Voltage:	220V/380V
Under water light:	4pcs
Disinfection system:	Ozone+UV
Water jets:	18pcs
Drain:	1pc
Filter system:	Plastic sand filter+floating paper filter
Waterback:	1pc
Outlet:	1pc
Handrail:	1pc
Ladder:	NO
Skirt:	PS skirt
Roller cover:	Not available

**EP-38**  
**LASWIM SWIM SPA**

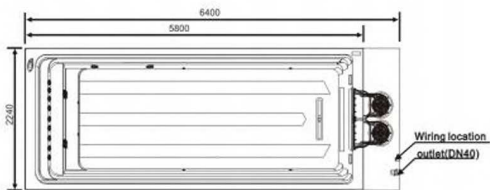
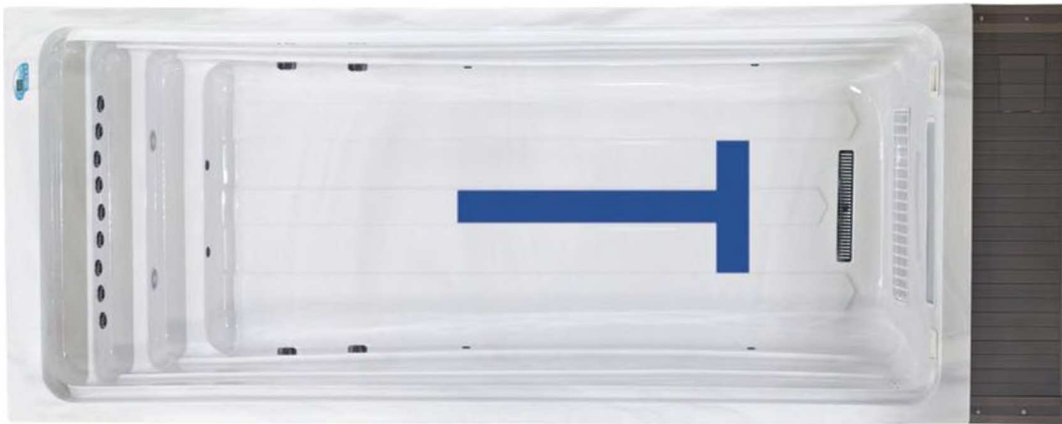


Model:	EP-38
Size(mm):	5900*2240*1360MM
N/W(kg):	1600KG
G/W(kg):	1800KG
Water capacity(T):	10T
Color:	Sterling silver
Circulating pump:	1*1HP
Heater:	11KW
Motor:	2.8KW
Massage pump:	1*3HP
Voltage:	220V/380V
Under water light:	1pc
Disinfection system:	Ozone+UV
Water jets:	40pcs
Drain:	1pc
Filter system:	Plastic sand filter+skimmer
Waterback:	1pc
Outlet:	1pc
Handrail:	1pc
Ladder:	NO
Skirt:	PS skirt
Roller cover:	Available (Optional)



# EP-39

## LASWIM SWIM SPA



Model:	EP-39
Size(mm):	6400*2240*1490MM
N/W(kg):	1700KG
G/W(kg):	1900KG
Water capacity(T):	11T
Color:	Sterling silver
Circulating pump:	1*1HP
Heater:	11KW
Motor:	2X2.8KW
Massage pump:	1*3HP
Voltage:	380V
Under water light:	2pc
Disinfection system:	Ozone+UV
Water jets:	15pcs
Drain:	1pc
Filter system:	Plastic sand filter+skimmer
Waterback:	2pcs
Outlet:	1pc
Handrail:	1pc
Ladder:	NO
Skirt:	PS skirt
Roller cover:	Available (Optional)

## WL-RPU

### WALL MOUNTED UNLIMITED SWIMMING MACHINE



Standard



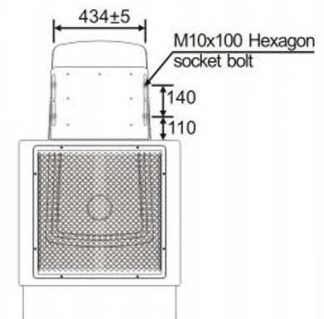
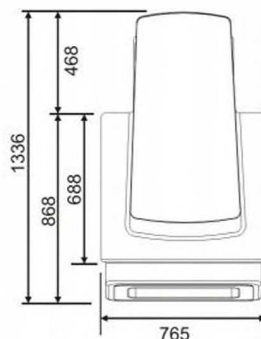
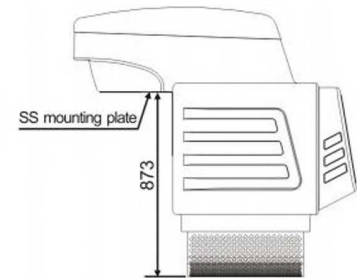
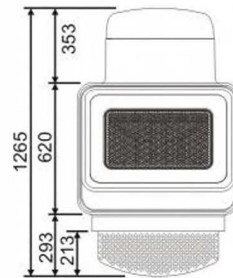
Optional

Having accumulated many years of advanced technology and practical experience in the field of pool industry, to improve the swimmers' swimming experience and life quality, LASWIM creatively has developed Wall mounted unlimited swimming machine which is suitable for different sizes of pools.

Infinite variable speeds could be adjusted according to swimmers' demand by controller or WeChat applet.

**Main features:**

- Easy to install. Just hung on pool wall with 4pcs fixed screws.
- Safety performance. Work with low-voltage as DC36V.
- Operate with low noise, no vibration.
- Can be installed in the pool with a depth of 0.9m.
- Innovative and fashionable design, pretty and compact.
- Manufactured by environmental, UV-resistance, corrosion resistant materials.
- Suitable for reconstructive old pools or new pools in different sizes.



Model	Power supply (V)	Working voltage (V)	Rated Power (KW)	Motor power (KW)	Laminar outlet (mm)	Max flow (m <sup>3</sup> /h)	Max speed (m/min)	Dimension (mm)
RPU20	220V	DC36	3.0	2.0	500 x 280	1000	186	1336 x 765 x 1265
RPU25	220V	DC36	4.0	2.5	500 x 280	1300	240	1336 x 765 x 1265

## WL-EPU

### EMBEDDED UNLIMITED SWIMMING MACHINE

Owners of those small/medium sized swimming pools usually have trouble in enjoying swimming as they need to turn constantly when the swimming range is limited. As an innovative product for improving swimming experience, Embedded unlimited swimming machine perfectly solves this problem and brings you a real villa's pool for swimming.

Embedded unlimited swimming machine comes with an adjustable and powerful laminar flow propeller and a control system, which enables static water to flow directionally. When the swimmer swims against the directional flows, he will have the same feeling as swimming in a flowing river without the limitation caused by the pool's dimension and enjoy the benefit of fitness as well as the fun of swimming freely.

A whole set of circulation and filtration, disinfecting system is employed in Embedded unlimited swimming machine, which saves you from complicated manual operation and expensive professional management. It is also excellent in saving the cost for the pool's operation and maintenance.

Embedded unlimited swimming machine, with different specifications and models, can be applied into projects in different shapes and dimensions, such as newly-built villa pools, reconstruction of community pools or old pools, natatorium and swimming clubs. Apart from the standard configuration, customers are able to choose other configuration according to their needs.

#### Main Features:

- Use the patented laminar flow propeller to impulse water to produce a circulation flow.
- Powerful water flow.
- Smooth water surface.
- Make small/medium sized pool a real swimming pool, instead of a landscape.
- Can be applied into projects like newly-built small/medium sized swimming pools and reconstruction of old pools.
- System equipment can be custom-built according to different
- Adjustable flow rate according to different swimmers, feel like swimming in a real river.
- Total 9 flow rates for option on the Speed Controller.



EPU-60 / EPU-120



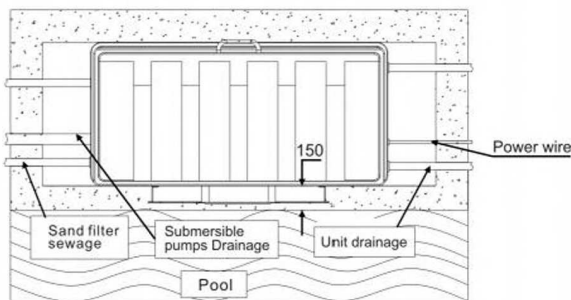
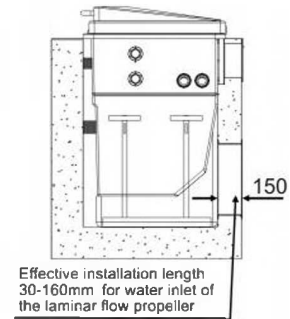
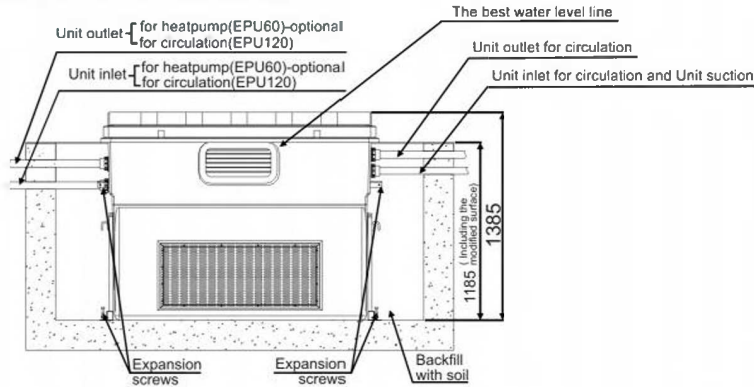
EPU-00

#### Additional features for EPU-60 and EPU-120

- They integrate a set of swimming pool water treatment unit, no need to build plant room.
- Adopt high quality quartz sand filter to ensure the pool water clean.
- Automatic control, without complicated manual operation, without professional management.

Speed	1	2	3	4	5	6	7	8	9
Flow Rate (m/s)	0.9	1.2	1.5	1.7	1.9	2.2	2.5	2.8	3.1

## INSTALLATION DIAGRAM



### Technical Data

Model	Voltage	Current	Total Power	Pump Power	Design flow rate	Filtration Area	Pool Volume	N.W.(kg)	G.W.(kg)	Size(mm)	Suction grill (mm)	Laminar outlet(mm)
EPU-00	380V	7.9A	3.0KW	----	----	----	----	203	235	970*970*1265	800x568	460x215
EPU-60	380V	10.8A	4.1KW	1X1HP	8m <sup>3</sup> /h	0.16m <sup>2</sup>	≤64m <sup>3</sup>	358	410	1810*875*1235	1080x450	640x215
EPU-120	380V	11.9A	4.5KW	2X1HP	16m <sup>3</sup> /h	0.32m <sup>2</sup>	≤128m <sup>3</sup>	388	440	1810*875*1235	1080x450	640x215

### Main parts list

Model	Main Parts	REMARKS
EPU-00	Submerged pump, frequency changer, laminar flow propeller, Controller	Excluding filtration system
EPU-60	Pump, filters, submerged pump, frequency changer, UV, laminar flow propeller, controller, chemical feeder	Including filtration system
EPU-120	Pump, filters, submerged pump, frequency changer, UV, laminar flow propeller, controller, chemical feeder	Including filtration system

# WL-AYT25Y

## WALL-HUNG FILTRATION UNIT

The housing is made of high quality acryl , the unit is easy to install and contains all the equipment for filtration, circulation, disinfection, drainage and lighting in one compact unit. It is also equipped with a multifunctional jet which not only makes the pool water circulate, but also has functions for swimming training, massage and fun in the water.

### Installation:

- Clear away any debris from the installation area, and make a datum mark before installation.
- Place the unit in a proper position according to the installation detail drawing. Adjust the unit with a level to make sure the tolerance is less than 2mm. Use the filler pieces to pack the unit level, fix the packing pieces, then fill in the vacant area with grout.
- Connect drainpipe and cable pipe as shown in the installation detail drawing. The control box must be damp-proofed. Electrical installation and testing must be done by a licensed or certified electrician.
- Fill in the joint between the unit and pool wall with grout when installing, and seal it with sealant.
- After installation, fill with sand around the unit board. Spread stones on the side of pool to match the pool structure, record the installation notes.



WL-AYT25Y



Pool Light



Swim Jet



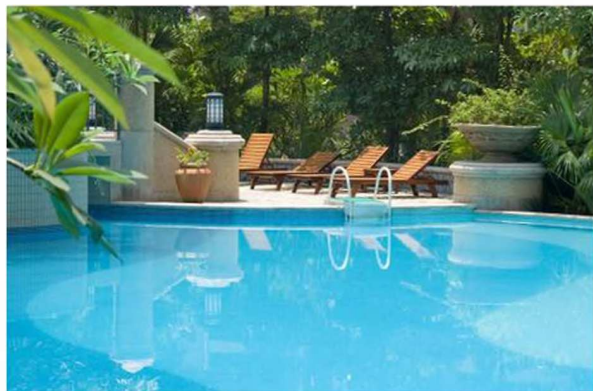
Filter Bag



Filter basket



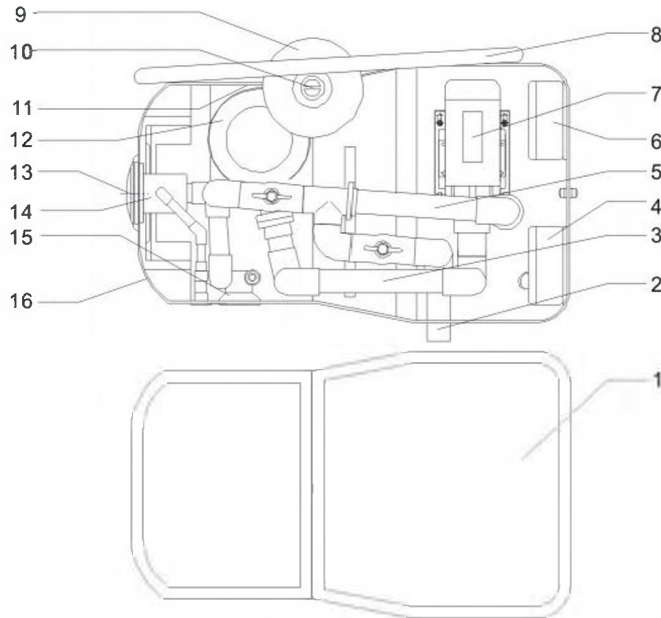
Electronic control system (Optional)



Pump(HP)	Voltage(V)	Flow Rate	Filter Precision	Filter Area	Noises	Outline Size
2.0HP	220V	25m³/h	≤5μ	0.297m²	≤40dB	1120x684x1080mm

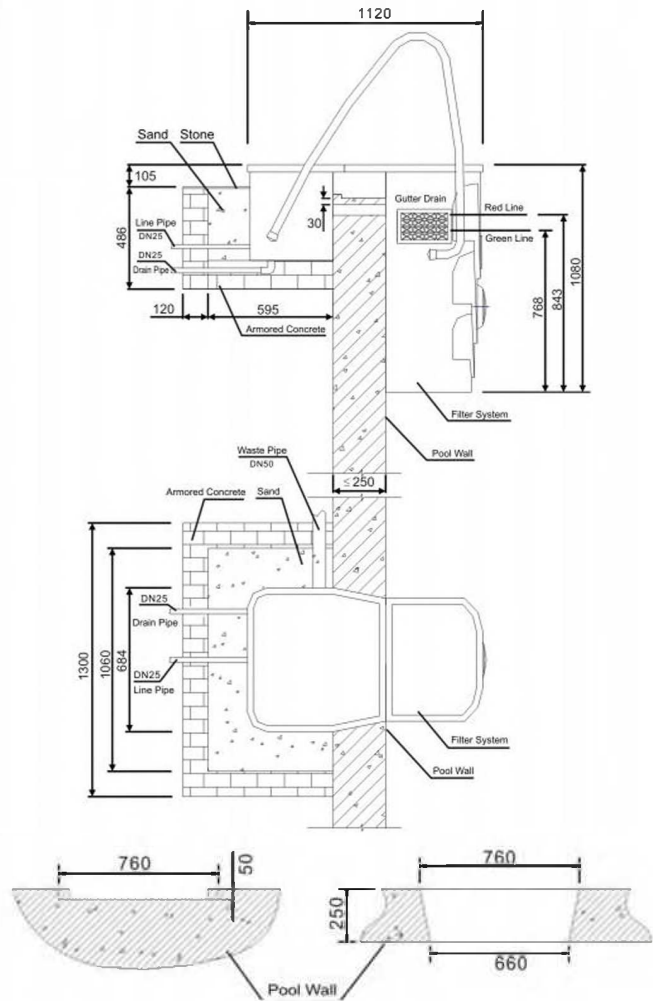
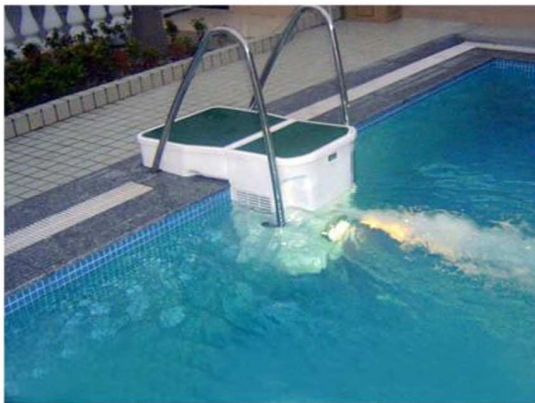


Installation process



Fabrication Diagram

- 1) Cover
- 2) Drain Pipe
- 3) Water Inlets
- 4) Ozone Generator (optional)
- 5) Water Outlets
- 6) Junction Box
- 7) Pump
- 8) Stainless Steel Armrest
- 9) Vacuum System
- 10) Vacuum Point
- 11) Inlet
- 12) Filter
- 13) Underwater Light
- 14) Swim Jet
- 15) Air and Water Hydro Jet Assembly
- 16) Housing



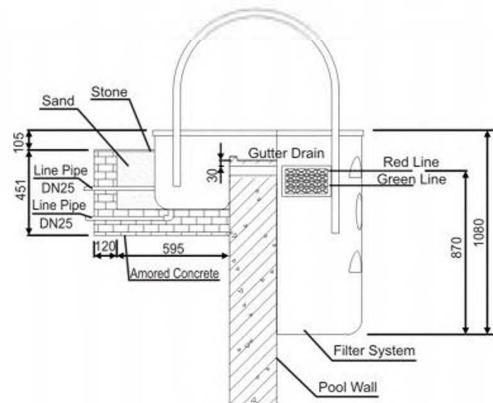
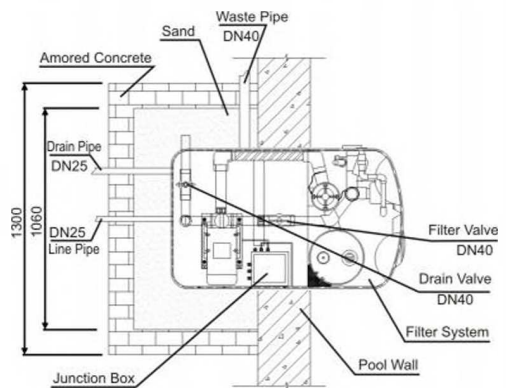
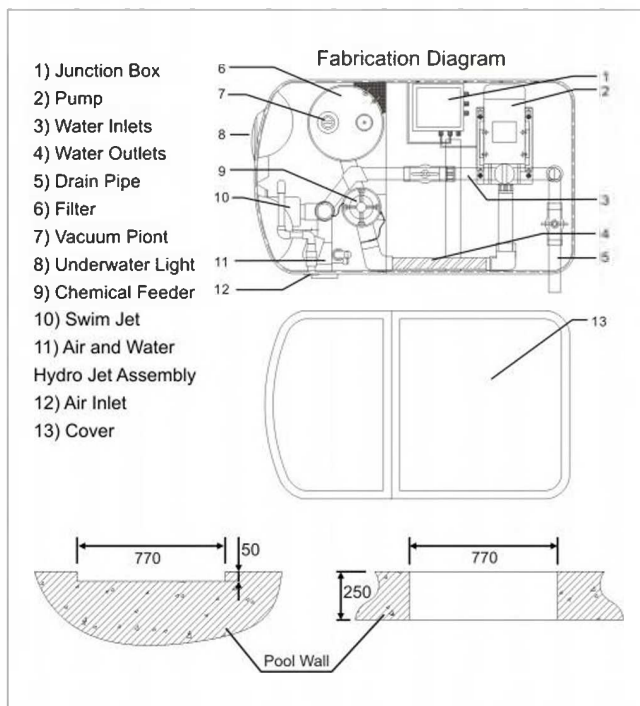
# PM-GL25Y

## WALL-HUNG FILTRATION UNIT

The housing is made of high quality acryl , the unit is easy to install and contains all the equipment for filtration, circulation, disinfection, drainage and lighting in one compact unit. It is also equipped with a multifunctional jet which not only makes the pool water circulate, but also has functions for swimming training, massage and fun in the water.



PM-GL25Y



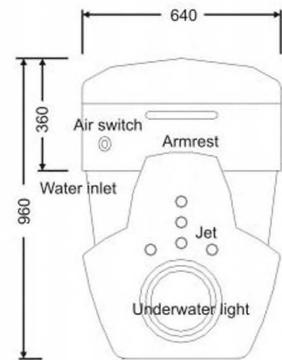
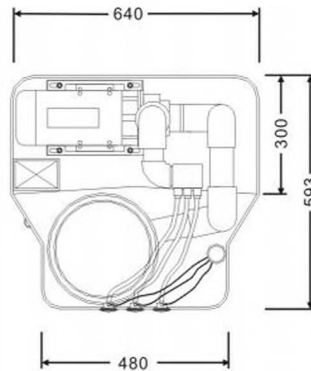
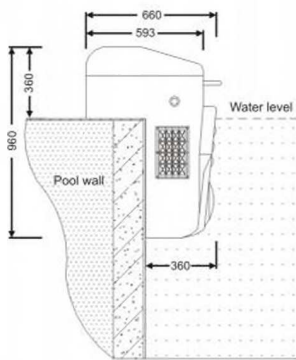
Pump(HP)	Flow Rate	Filter Precision	Filter Area	Noises	Outline Size
2.0HP	22m <sup>3</sup> /h	≤5μ	0.297m <sup>2</sup>	≤50dB	1725x1112x684mm

## WL-GYT10Y WALL-HUNG FILTRATION UNIT



WL-GYT10Y

The housing is made of high quality acryl, the unit is easy for installation and assembles all the equipment of filtration, circulation, drainage and lighting in one compact unit. It is also equipped with multifunctional jet which not only makes the pool water circulate, but also has functions of swimming training, massage and fun in water. Extra fit for children pools.



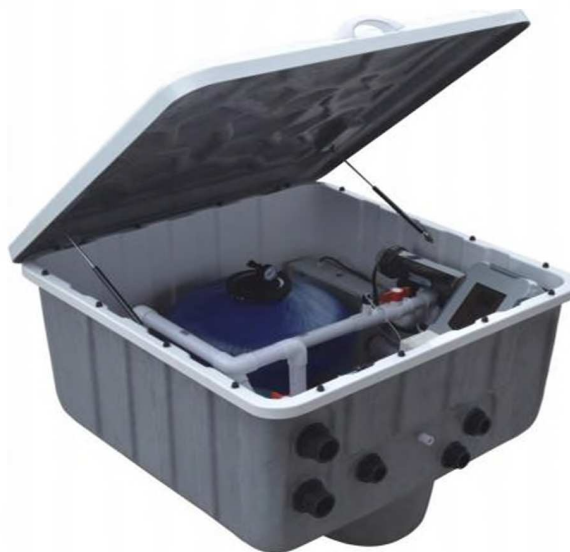
Installation figure



Pump(HP)	Voltage(V)	Flow Rate	Filter Precision	Filter Area	Noises	Outline Size
1.2HP	220V	10~13m <sup>3</sup> /h	≤5μ	0.26m <sup>2</sup>	≤40dB	640x660x960mm

## WL-GMT/ WL-MMT/ WL-DMT FILTRATION UNITS

Filtration unit is one of the best choices for swimming pool. It is in good appearance, easy to operate and long-time use. Different models could be chosen according to different size of swimming pools and actual demand.



WL-GMT /MMT/DMT

### WL-DMT

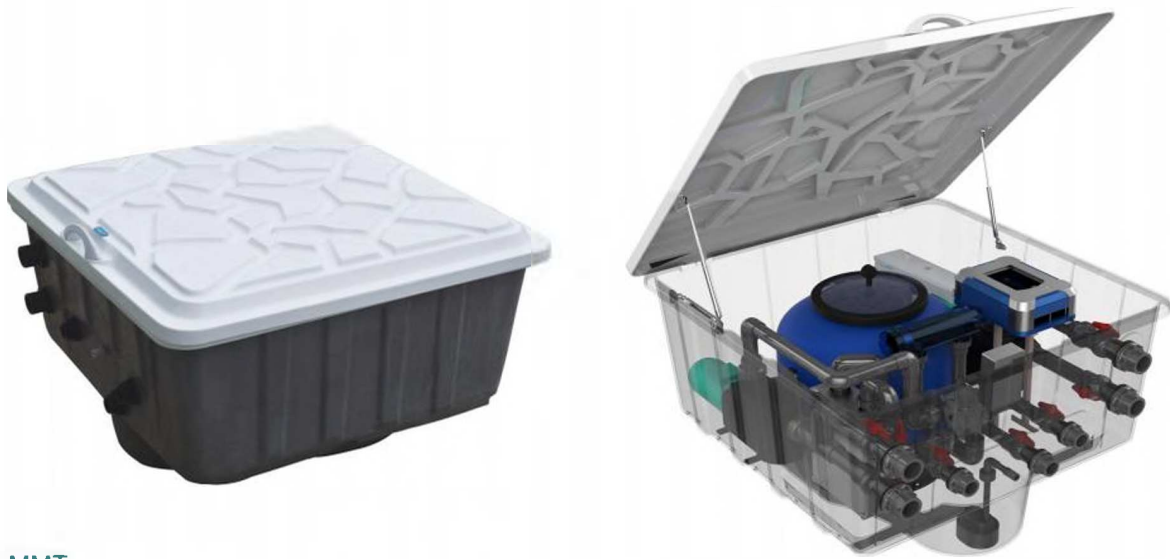
- Easy to operate, no need the equipment room and special maintenance.
- Adopts high precious of sand filter.
- With good performance pump.
- More economical because of simple disinfecting equipment-chemical feeder.

### WL-DMT parameter

Model	Horsepower (HP)	Voltage (V)	Flow Rate (M <sup>3</sup> /H)	Filter area (M <sup>2</sup> )	pool volume (M <sup>3</sup> )	Outline size (MM)
WL-DMT-8	0.75	220-240	8	0.16	≤64	1320X1340X985
WL-DMT-12	1		12	0.23	≤92	
WL-DMT-16	1.5		16	0.32	≤128	
WL-DMT-20	2.0		20	0.4	≤160	1550X1560X1135
WL-DMT-25			25	0.5	≤200	

### WL-DMT Specification

Model	Main parts
WL-DMT-8	BCG450 sand filter + 0.75HP pump + chemical feeder
WL-DMT-12	BCG500 sand filter + 1HP pump + chemical feeder
WL-DMT-16	BCG650 sand filter + 1.5HP pump + chemical feeder
WL-DMT-20	BCG700 sand filter + 2HP pump + chemical feeder
WL-DMT-25	BCG800 sand filter + 2HP pump + chemical feeder



### WL-MMT

- The progressive filtration unit adopts professional sand filter, high efficiency pump and salt-chlorine generator, 3HP massage pump and submersible pump.
- 3HP massage pump makes the filtration unit more powerful.
- Equipped with submersible pump, avoiding the security risk that caused by accumulated water in tank.
- Equipped with salt-chlorine generator, the most effective and high-tech equipments.

WL-GMT /MMT/DMT

### WL-MMT parameter

Model	Horsepower (HP)	Voltage (V)	Flow Rate (M <sup>3</sup> /H)	Filter area (M <sup>2</sup> )	pool volume (M <sup>3</sup> )	Outline size (MM)
WL-MMT-8	0.75	220-240	8	0.16	≤64	1320X1340X985
WL-MMT-12	1		12	0.23	≤92	
WL-MMT-16	1.5		16	0.32	≤128	
WL-MMT-20	2.0		20	0.4	≤160	1550X1560X1135
WL-MMT-25			25	0.5	≤200	

### WL-MMT Specification

Model	Main parts
WL-MMT-8	BCG450 sand filter + HLLF075M circulation pump + HLLF300M Massage pump + submersible pump + EC8 salt-chlorine generator
WL-MMT-12	BCG500 sand filter + HLLF100M circulation pump + HLLF300M Massage pump+ submersible pump + EC12 salt-chlorine generator
WL-MMT-16	BCG650 sand filter + HLLF150M circulation pump+ HLLF300M Massage pump + submersible pump + EC16 salt-chlorine generator
WL-MMT-20	BBCG700 sand filter + HLLF200M circulation pump+ HLLF300M Massage pump + submersible pump + SQ30 salt-chlorine generator
WL-MMT-25	BCG800 sand filter + HLLF200M circulation pump+ HLLF300M Massage pump + submersible pump + SQ40 salt-chlorine generator

# WL-GMT/ WL-MMT/ WL-DMT FILTRATION UNITS

## WL-GMT

- Adopts LASWIM pump with high performance and low noise.
- With submersible pump to avoid the hazardous of flood in filtration box.
- Adopts high-tech disinfecting equipment, such as salt chlorine generator and UVsterilizer.
- Could be used for swimming pool, hot spring and SPA in different sizes and various shapes.

## WL-GMT parameter

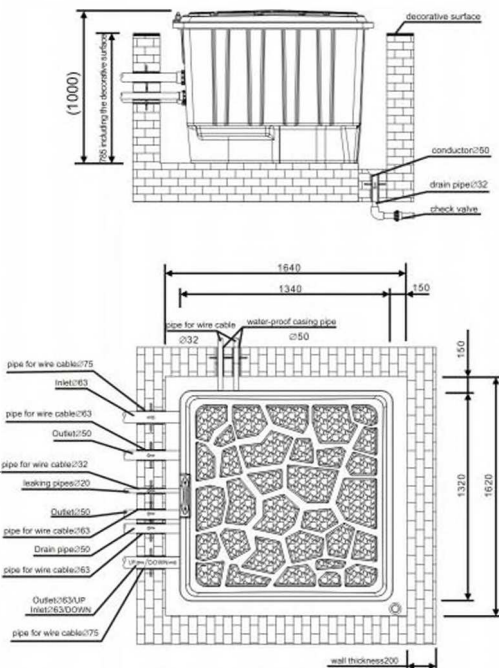
Model	Horsepower (HP)	Voltage (V)	Flow Rate (M <sup>3</sup> /H)	Filter area (M <sup>2</sup> )	pool volume (M <sup>3</sup> )	Outline size (MM)
WL-GMT-8	1.5	220~240	8	0.16	≤64	1320X1340X985
WL-GMT-12			12	0.23	≤92	
WL-GMT-16			16	0.32	≤128	
WL-GMT-20	2.0		20	0.4	≤160	1550X1560X1135
WL-GMT-25			25	0.5	≤200	

## WL-GMT Specification

Model	Main parts
WL-GMT-8	BCG450 sand filter+0.75HP Circulation pump+ 3HP massage pump+ EC8 salt-chlorine generator + 28W UV Sterilizer+ submersible pump
WL-GMT-12	BCG500 sand filter+1.0HP Circulation pump+ 3HP massage pump+ EC12 salt-chlorine generator + 28W UV Sterilizer+ submersible pump
WL-GMT-16	BCG650 sand filter+1.5HP Circulation pump+ 3HP massage pump+ EC16 salt-chlorine generator + 28W UV Sterilizer+ submersible pump
WL-GMT-20	BCG700 sand filter+2HP Circulation pump+ 3HP massage pump+ SQ30 salt-chlorine generator + 28W UV Sterilizer+ submersible pump
WL-GMT-25	BCG800 sand filter+2HP Circulation pump+ 3HP massage pump+ SQ40 salt-chlorine generator + 28W UV Sterilizer+ submersible pump

Remark: Please refer to the relevant page of this information for details and performance of the product in the above table.

### 1、WL-GMT-8/12/16 INSTALLATION DIAGRAM



### 2、WL-GMT-20/25 INSTALLATION DIAGRAM

