

# UNVEILING THE WORLD'S FIRST

A team of scientists from Qian Hu and a local research company has scored a first by jointly developing the revolutionary Hydro-Pure Technology that is capable of enhancing the natural filtration processes in aquariums. This energy-efficient Hydro-Pure Technology is eco-friendly and truly the first of its kind in the world. It can also be applied to other areas in the ornamental industry as it promotes a natural, chemical free environment for all aquatic lives.



## 1) What is Hydro-Pure Technology?

Hydro-Pure Technology is a patented water detoxifying and depurating technology for applications in both Marine and freshwater Aquatic Hobby. It consists of two electro-plates to energize a cartridge box containing special Cata-Pure Catalyst Media to generate strong reactive Hydroxyl ( $\bullet\text{OH}$ ) radicals, which is the key to the detoxifying and depurating reactions process.



## 2) How does Hydro-Pure Technology works?

We provided the below diagram to help you understand the technology better. Phase 1 is where your aquarium water enters the Hydro-Pure Technology chamber, Phase 2 is where the reaction takes place and Phase 3 is the end result.

### Phase 1

- Aquarium water containing Protein, Ammonia ( $\text{NH}_3$ ) and Nitrite ( $\text{NO}_2^-$ )

### Phase 2

- Cata-pure Media reaction produces reactive Hydroxyl Radicals ( $\bullet\text{OH}$ ) from water
- Hydroxyl Radicals ( $\bullet\text{OH}$ ) reduces Protein, toxic wastes, e.g. Ammonia ( $\text{NH}_3$ ) and Nitrite ( $\text{NO}_2^-$ ), and odour from Sulphur-based by-products

### Phase 3

- Biologically clean and healthy water for fish and invertebrates

## 3) How does Hydro-Pure Technology benefit my fish keeping experience?

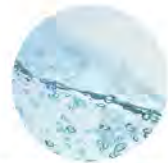
- Detoxifies harmful wastes like Ammonia ( $\text{NH}_3$ ) and Nitrite ( $\text{NO}_2^-$ ) to help hobbyists maintain purer water and a healthier aquarium
- Breaks down Protein and nutrients
- Helps reduce aquarium startup time (Nitrogen Cycle) and prevent New Tank Syndrome
- Minimize frequency of water change thus saving time and greater savings on your utility bills
- Minimize unpleasant smell from aquarium water
- Improves water clarity
- For Marine and Freshwater aquarium applications

Hydro-Pure Technology is suitable for marine and freshwater fish tanks of all sizes, all types of fishes, plants and live corals including all levels of stocking density. It also helps in the prevention of New Tank Syndrome especially in Marine tanks application, perfect for any applications that requires pristine water condition of safe and stable level of Ammonia, nitrites and nitrates acceptable for aquatic life form.

# Hydra Prime System V3



Prevent New Tank Syndrome



Minimize frequency of water change thus saving time and greater savings on your utility bills



Maintain purer and healthier water



Minimize unpleasant smell

**The development of Hydra Prime System V3 is a journey that is continuously ongoing through our engagement with the Aquaculture and Koi community.**

**We first understand your needs, / then we meet your needs.**

## FEATURES

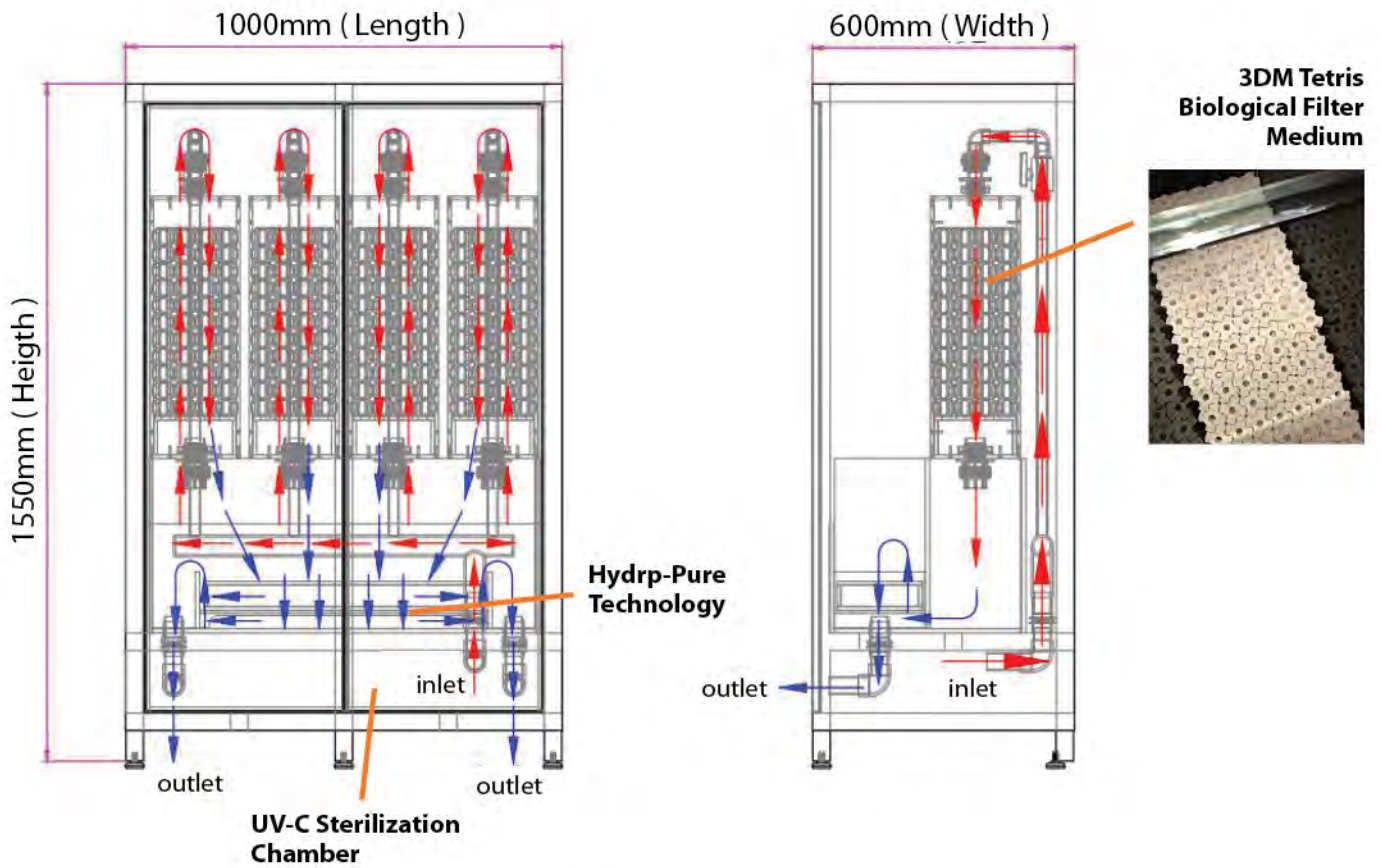
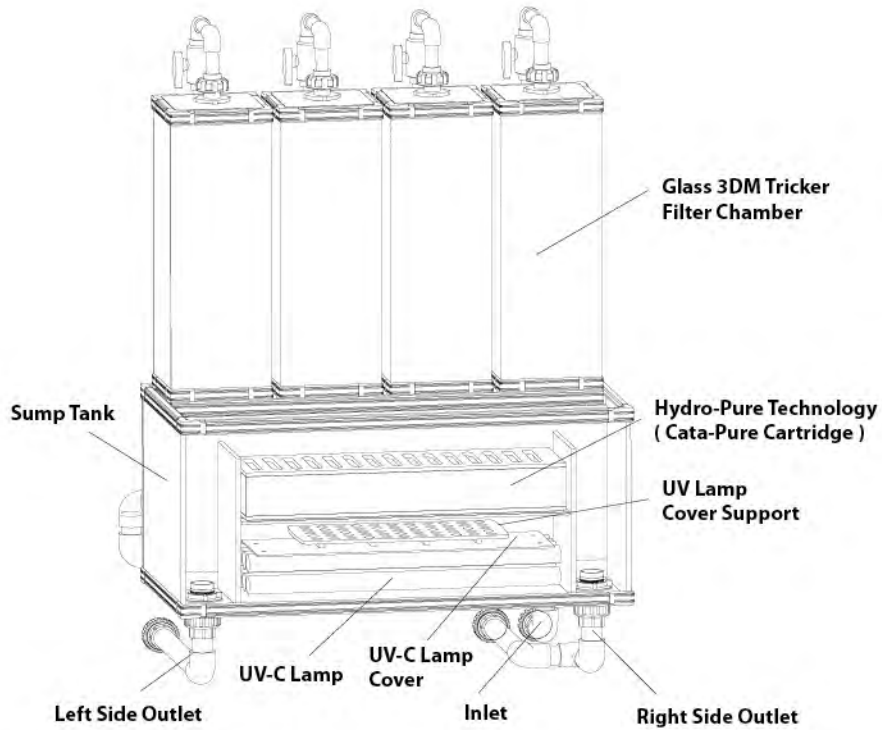
- Helps to induce the natural coloration of Koi.
- Detoxifies harmful wastes like Ammonia (NH<sub>3</sub>) and Nitrite (NO<sub>2</sub><sup>-</sup>) to maintain healthy water conditions.
- Minimize frequency of water change thus saving time and greater savings on your utility bills.
- Increases water DO (dissolved oxygen) levels.
- Minimizes unpleasant smell from pond water.
- Improves water clarity.
- Small & removable 3DM Filter Compartment. Easy to install. Easy to maintain.
- Sleek and aesthetically pleasing cabinet design.



**APPLICATIONS**

Ponds, Commercial Fishkeeping Facilities and Big Tanks

**DETAIL VIEW**



## AVAILABLE MODELS



Specification	EF131 - Minimalist Style	EF132 - Shoji Style
Overall Dimensions (mm)	1000 x 600 x 1550mm	1000 x 600 x 1550mm
Max Power	450W ( water pump power calculated at 170W )	450W ( water pump power calculated at 170W )
Recommended Water Volume	10 - 30 Tonnes	10 - 30 Tonnes
UV Sterilization	Aquazonic UV007 30W x 8pcs	Aquazonic UV007 30W x 8pcs
3DM Filter Medium (Litre)	200L	200L
Hydro - Pure Technology	4kg Cata-pure with controller system	4kg Cata-pure with controller system
Water Pump	Aquazonic WP087 Amphi Plus 170W ( 20000 L / H ) x 1pc ( For Export Market )	Aquazonic WP087 Amphi Plus 170W ( 20000 L / H ) x 1pc ( For Export Market )

**Benefits of Hydro-Pure Technology**


- Detoxifies harmful wastes like Ammonia (NH<sub>3</sub>) and Nitrite (NO<sub>2</sub><sup>-</sup>) to help hobbyists maintain purer water and a healthier aquarium
- Breaks down Protein and nutrients
- Helps reduce aquarium startup time (Nitrogen Cycle) and prevent New Tank Syndrome
- Minimize frequency of water change thus saving time and greater savings on your utility bills
- Minimize unpleasant smell from aquarium water
- Improves water clarity

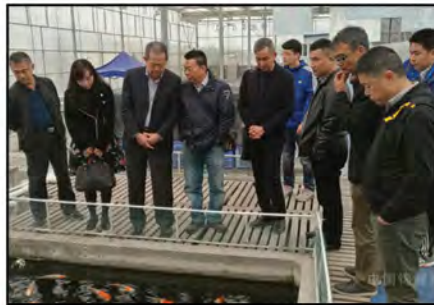



**CUSTOMER SHOWCASES**

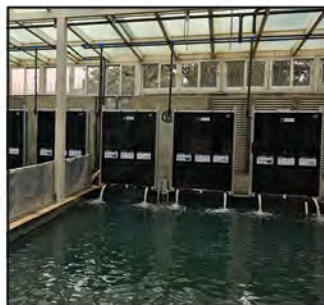
 **Mr Pan • Hydra Prime V1 & V3 - China**




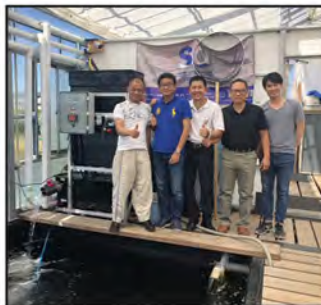
 **Mr Tam • Hydra Prime V1 - China**




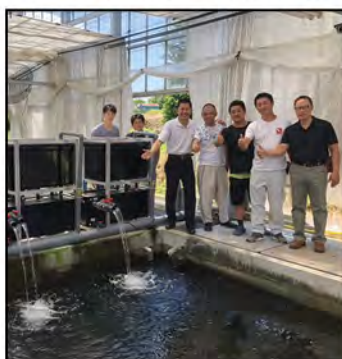
 **Mr Wu • Hydra Prime V1- Hong Kong**



 **Odakan Koi Farm • Hydra Prime V2 & V3 - Japan**



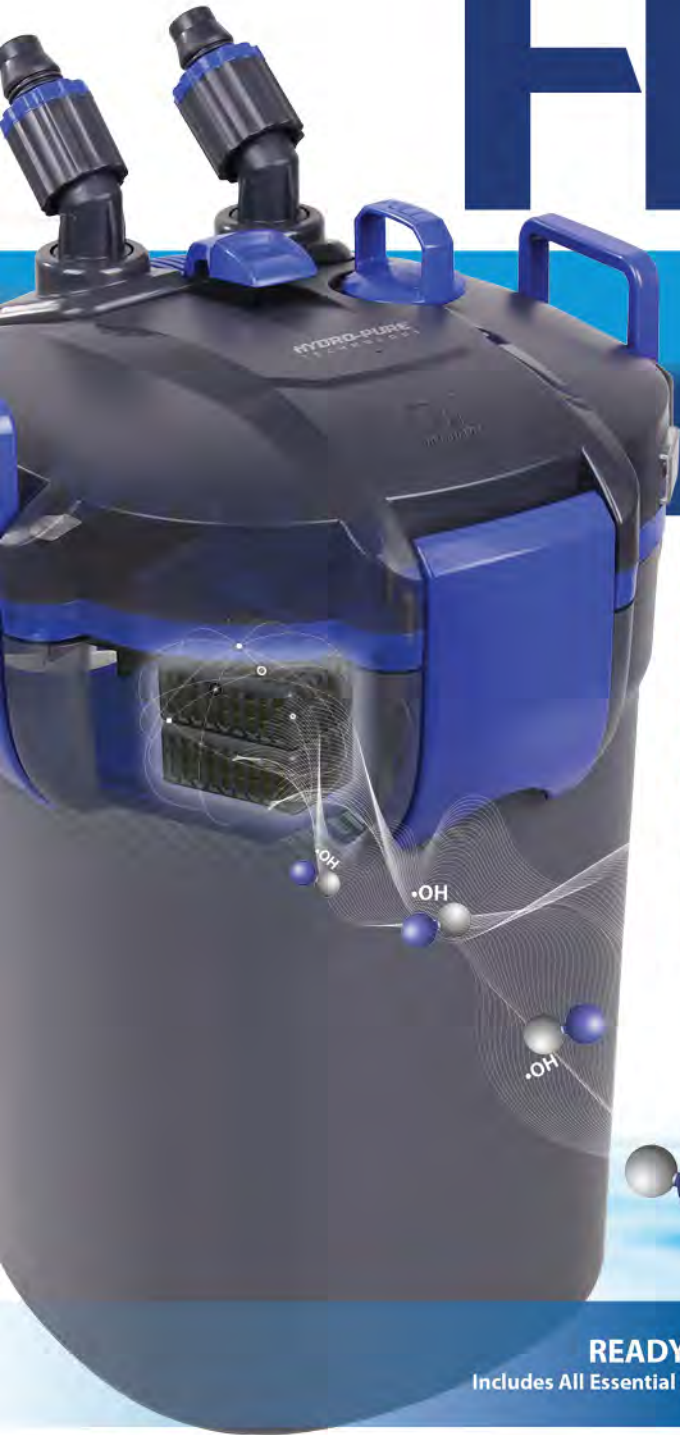
 **Dainichi Koi Farm • Hydra Prime V2 & V3 - Japan**





# Hydra

## FILTRON



- ✓ Prevents New Tank Syndrome  
Verhindert das Neue-Becken-Syndrom
- ✓ Reduces Water Change Frequency  
Wasser muss nicht mehr so häufig ausgetauscht werden
- ✓ Produces Crystal-Clear Water  
Sorgt für kristallklares Wasser
- ✓ Reduces Water Odours  
Verringert möglichen Geruch des Wasser



**READY TO USE**  
Includes All Essential Filter Media



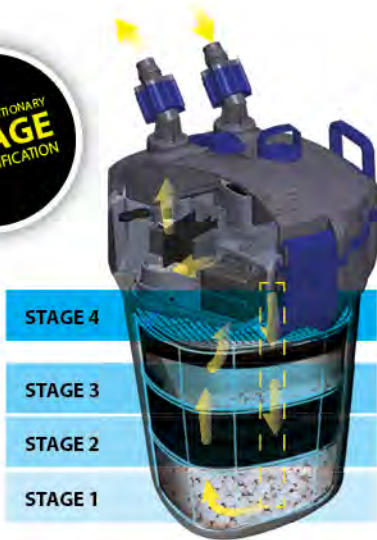
**MARINE & FRESH WATER**

**3 YEARS WARRANTY**

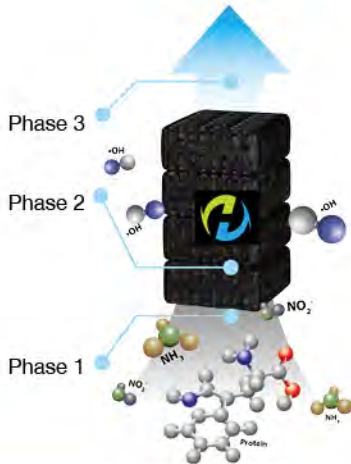
### NOTABLE FEATURES

- **4-Stage Water Purification** | Hydra Filtron's 4-Stage Water Purification, goes beyond the conventional 3 stage filtration (Mechanical, Biological, Chemical), with the incorporation of the revolutionary Hydro-pure Technology that uses Hydroxyl Radicals ( $\cdot\text{OH}$ ) to accelerate the startup time from the usual 4-5 weeks to within 1 week, reduces water odour, and retains a crystal clear tank. The result is a cleaner and healthier aquarium the natural way without any harmful chemical
- **One Pull Priming** | A quick pull and push of the Primer draws water into the canister making it ready to use
- **Valve for Easy Maintenance** | Valve controls at the inlet and outlet pipes eliminate the hassle of dealing with water spills during maintenance
- **Surface Skimmer** | Removes unsightly surface oil film to improve oxygen exchange and increase light penetration at water surface





STAGE	DESCRIPTION	FUNCTIONS
STAGE 1	3DM Nuggets	<ul style="list-style-type: none"> <li>Breaks down large solids and traps suspended particles</li> <li>Provides a high surface area for beneficial bacteria which helps break-down toxic waste (e.g. Ammonia and Nitrites) biologically</li> </ul>
STAGE 2	Biotrap Sponge	<ul style="list-style-type: none"> <li>Breaks down finer solids and traps suspended particles</li> <li>Provides surface area for beneficial bacteria for further biological purification of toxic waste</li> </ul>
STAGE 3	3DM Beads	<ul style="list-style-type: none"> <li>Provides highest surface area for beneficial bacteria which helps break-down toxic waste biologically</li> </ul>
	Fine Filter Wool	<ul style="list-style-type: none"> <li>Removes fine particles</li> </ul>
STAGE 4	Carbon Pad	<ul style="list-style-type: none"> <li>Absorbs dissolved organic compound and heavy metals to maximize efficiency of the Hydro-Pure Technology</li> </ul>
		Hydro-Pure Technology



### Hydro-Pure Technology (The 3 Phases)

#### Phase 1

- Aquarium water containing Protein, Ammonia (NH<sub>3</sub>) and Nitrite (NO<sub>2</sub>-)

#### Phase 2

- Cata-pure Media reaction produces reactive Hydroxyl Radicals (•OH) from water

- Hydroxyl Radicals (•OH) reduces Protein, toxic wastes, e.g. Ammonia (NH<sub>3</sub>) and Nitrite (NO<sub>2</sub>-), and odour from Sulphur-based by-products

#### Phase 3

- Biologically clean and healthy water for fish and invertebrates

## TECHNICAL SPECIFICATIONS

MODEL	HYDRA FILTRON 1000	HYDRA FILTRON 1500	HYDRA FILTRON 1800
For Aquarium Size Up To	80 - 300 L 20 - 80 US Gal	150 - 600 L 40 - 160 US Gal	200 - 800 L 50 - 210 US Gal
Product Size	240 x 240 x 363 mm 9.5" x 9.5" x 14.3"	272 x 272 x 403 mm 10.7" x 10.7" x 15.9"	300 x 300 x 443 mm 11.8" x 11.8" x 17.5"
Pump Flow Rate	1000 L/H 270 US Gal	1500 L/H 400 US Gal	1800 L/H 480 US Gal
Circulation Flow Rate	600 L/H 160 US Gal/H	900 L/H 240 US Gal/H	1100 L/H 290 US Gal/H
Filter Media Baskets Volume	4.7 L 1.3 US Gal	7.0 L 1.9 US Gal	10.0 L 2.7 US Gal
Filter Media Baskets	3 pcs	3 pcs	4 pcs
Power Consumption	13 W	23 W	32 W
Inlet & Outlet Hose	ø 16 / 22 mm inner ø 5/8"	ø 19 / 25 mm inner ø 3/4"	ø 19 / 25 mm inner ø 3/4"
Cable Length	2.0 m 78.0"	2.0 m 78.0"	2.0 m 78.0"
Max Height	1.4 m 55.0"	2.0 m 78.0"	2.4 m 94.5"
Cata-Pure Cartridge(s)	2 pcs	3 pcs	4 pcs

Code No.	Description	Specification	Power Consumption	Packing
EF125	Hydra Filtron 1000	24cm x 24cm x 36.3cm	13W	2 pieces/carton
EF126	Hydra Filtron 1500	27.2cm x 27.2cm x 40.3cm	23W	2 pieces/carton
EF127	Hydra Filtron 1800	30cm x 30cm x 44.3cm	32W	Individual

# HYDRA FILTRON REPLACEMENT FILTER MEDIA

## 3DM BEADS & 3DM NUGGETS

- pH Neutral
- Tough and durable

- Bio-mechanical filtration
- Flaking of bio-membrane

- Longer water retention time
- Macro-porous with high surface area provides ideal conditions for Beneficial Bacteria



RP377



RP380

3DM Nuggets Bio-Mechanical Filter Media encourages uniform water circulation through-out the canister and provides high surface area for the colonization of beneficial bacteria for efficient biological decomposition of waste.

The continuous cavities and interlinked micro-tunnels of the 3DM Beads Biological Media increase the overall effective surface area and create ideal conditions for billions of beneficial bacteria. The beneficial bacteria consumes toxic ammonia and converts it to nitrites and then to nitrates, ultimately breaking down into Nitrogen under the right conditions.

### Code No.

RP377  
RP380

### Description

3DM Nuggets  
3DM Beads

### Specification

ø18-20mm, length:15-17mm  
ø7-9mm

### Packing

1litre/box / 12 boxes/carton  
1litre/box / 12 boxes/carton

## CATA-PURE CARTRIDGES

- Prevention of cloudy water
- Minimizes unpleasant water smell
- Helps prevent "New Tank Syndrome"
- Purification of water & pH neutral



RP208A



RP208

### Code No.

RP208  
RP208A

### Description

Cata-Pure Cartridge - 1 pcs  
Cata-Pure Cartridge - 1 box ( 4 pcs )

### Packing

36 pieces/carton  
24 boxes/carton

## AQUARIUM HOSE

- Good flexibility and retain shape well
- Non-toxic, Phenol-free material
- Aging-proof
- Tough and durable
- Durable



### Code No.

AA216  
AA217  
AA218

### Description

Aquarium Hose  
Aquarium Hose  
Aquarium Hose

### Specification

ø12 x 16mm, length: 50m  
ø16 x 22mm, length: 30m  
ø19 x 25mm, length: 20m

### Color

Translucent Black  
Translucent Black  
Translucent Black

### Packing

1 roll/box  
1 roll/box  
1 roll/box



## FINE FILTER WOOL

- Mechanical filtration
- Physically trap finer solids and suspended particles to keep your water clear



RP370



RP371



RP372

Code No.	Description	Specification	Size	Packing
RP370	Fine Filter Wool 1000	for Hydra Filtron 1000	182.5 x 182.5 x 30mm	3 pieces/box / 36 boxes/carton
RP371	Fine Filter Wool 1500	for Hydra Filtron 1500	204.3 x 204.3 x 30mm	3 pieces/box / 36 boxes/carton
RP372	Fine Filter Wool 1800	for Hydra Filtron 1800	228.8 x 228.8 x 30mm	3 pieces/box / 36 boxes/carton

## BIOTRAP SPONGE

- Bio-Mechanical filtration
- Physically trap finer solids and suspended particles to keep your water clear
- Long lasting and durable
- Good porosity that provide good conditions for beneficial bacteria



RP373



RP374



RP375

Code No.	Description	Specification	Size	Packing
RP373	Biotrap Sponge 1000	for Hydra Filtron 1000	182.5 x 182.5 x 30mm	2 pieces/box / 36 boxes/carton
RP374	Biotrap Sponge 1500	for Hydra Filtron 1500	204.3 x 204.3 x 30mm	2 pieces/box / 36 boxes/carton
RP375	Biotrap Sponge 1800	for Hydra Filtron 1800	228.8 x 228.8 x 30mm	2 pieces/box / 36 boxes/carton

## CARBON PAD

- Adsorbs colours
- Adsorbs water odours
- Adsorbs dissolved organic compounds and heavy metals to maximize efficiency of Hydro-Pure Technology



RP388



RP389



RP390

Code No.	Description	Specification	Size	Packing
RP388	Carbon Pad 1000	for Hydra Filtron 1000	182.5 x 182.5 x 6mm	3 pieces/box / 36 boxes/carton
RP389	Carbon Pad 1500	for Hydra Filtron 1500	204.3 x 204.3 x 6mm	3 pieces/box / 36 boxes/carton
RP390	Carbon Pad 1800	for Hydra Filtron 1800	228.8 x 228.8 x 6mm	3 pieces/box / 36 boxes/carton





# FRESHWATER Hydra

## AQUATIC DEPURATOR

- ✓ Breaks Down Protein and Nutrients
- ✓ Detoxify Ammonia (NH<sub>3</sub>) & Nitrite (NO<sub>2</sub>-)
- ✓ Create and Maintain Safe and Stable Pristine "Hydro-Pure Water"

The Hydra is the world's first Aquatic Depurator powered by Hydro-pure Technology, combining it with Biological Filtration into one revolutionary filtration system. The Hydra enhances the natural filtration and detoxification processes by more than 50%. This constant detoxification process results in biologically clean and safe pristine water quality for your fishes, maintains water quality effectively thus reducing frequency of water change.

**Note: Not for use in marine water.**



### Nozzle attachment



Usable with hoses of 12 / 16mm and 16 / 22 mm

The Hydra can be used with small size water features when fitted with the Nozzle attachment.

Code No.	Description	Specification	Power Consumption	Cata-pure	Packing
IF120	Freshwater Hydra 20	For Tank Between 50 - 100 L ( 400 L/H )	6W	1 piece	12 pieces/carton
IF121	Freshwater Hydra 30	For Tank Between 100 - 200 L ( 600 L/H )	7.5W	1 piece	12 pieces/carton
IF122	Freshwater Hydra 40	For Tank Between 200 - 500 L ( 800 L/H )	10W	2 pieces	12 pieces/carton
IF123	Freshwater Hydra 50	For Tank Between 500 - 800 L ( 1000 L/H )	15W	2 pieces	12 pieces/carton



# FRESHWATER Hydra STREAM

## AQUATIC DEPURATOR



- ✓ Breaks Down Protein and Nutrients
- ✓ Detoxify Ammonia (NH<sub>3</sub>) & Nitrite (NO<sub>2</sub>)
- ✓ Create and Maintain Safe and Stable Pristine "Hydro-Pure Water"

The Hydra Stream is the world's first Aquatic Depurator powered by Hydro-pure Technology. It greatly improves your existing aquatic filtration system by enhancing the natural filtration and detoxification processes by more than 50%. This constant detoxification process results in biologically clean and safe pristine water quality for your fishes, maintains water quality effectively thus reducing frequency of water change.

**Note: Not for use in marine water.**



EF147 / EF150



EF148 / EF151



EF149 / EF152

### Set-up Illustration

Suction Cup or Hang On (optional)



Internal Filter



Top Trickle Filter



Sump Tank

Suction Cup or Hang On (optional)



Hobby Pump

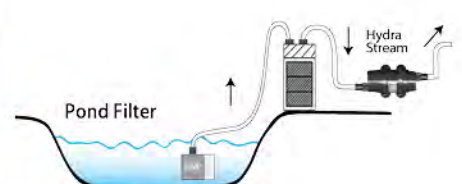
Suction Cup or Hang On (optional)



Hobby Pump



Hydra Stream External Filter



Code No.	Description	Specification	Power Consumption	Cable Length	Cata-pure	Packing
EF147	Freshwater Hydra Stream 1	For Tank <300 ( 300 - 1000 L/H )	1.1W	1.5m	4 pieces	12 pieces/carton
EF148	Freshwater Hydra Stream 2	For Tank <600 ( 500 - 2000 L/H )	1.3W	1.5m	6 pieces	12 pieces/carton
EF149	Freshwater Hydra Stream 3	For Tank <1000 ( 800 - 3000 L/H )	1.5W	1.5m	8 pieces	12 pieces/carton
EF150	Freshwater Hydra Stream 1	For Tank <300 ( 300 - 1000 L/H )	1.1W	5m	4 pieces	12 pieces/carton
EF151	Freshwater Hydra Stream 2	For Tank <600 ( 500 - 2000 L/H )	1.3W	5m	6 pieces	12 pieces/carton
EF152	Freshwater Hydra Stream 3	For Tank <1000 ( 800 - 3000 L/H )	1.5W	5m	8 pieces	12 pieces/carton



# HYDRA - INTERNAL FILTER

## AQUATIC DEPURATOR - Marine & Freshwater

Qian Hu has meticulously developed HYDRA Aquatic Depurator ( Powered by "HYDRO-PURE technology" ) that constantly produces OH radicals to detoxify harmful toxins in the water, HYDRA Aquatic Depurator makes fishkeeping a breeze.

- Minimizes frequency of water change thus saving time and greater savings on their utility bills.
- Reduces mortality rate of fish by maintaining safe and stable pristine "Hydro-Pure Water".
- Minimizes unpleasant smell from aquarium water.

HYDRA Aquatic Depurator ( Powered by "HYDRO-PURE technology" ) comes in various sizes that best suits every aquarium; be it Marine or Freshwater.

- Breaks Down Protein and Nutrients
- Detoxify Ammonia (NH<sub>3</sub>) & Nitrite (NO<sub>2</sub>)
- Create and Maintain Safe and Stable Pristine " Hydro-Pure Water "



IF101

IF102

IF103

IF104

Code No	Description	Specification	Power Consumption	Packing
IF101	Hydra 20	For Tank Between 50-100 L (400 L/H)	6 W	12 pieces/carton
IF102	Hydra 30	For Tank Between 100-200 L (600 L/H)	7.5 W	12 pieces/carton
IF103	Hydra 40	For Tank Between 200-500 L (800 L/H)	10 W	12 pieces/carton
IF104	Hydra 50	For Tank Between 500-800 L (1000 L/H)	15 W	12 pieces/carton

# CATA-PURE CARTRIDGE

## Cartridge for Hydra Products:

Hydra Filtron / Hydra Internal Filter / Hydra Stream



RP208



RP208A

Code No	Description	Packing
RP208	Cata-Pure Cartridge-1 pc	36 pieces/carton
RP208A	Cata-Pure Cartridge-1 box (4pcs)	24 boxes/carton



# HYDRA STREAM

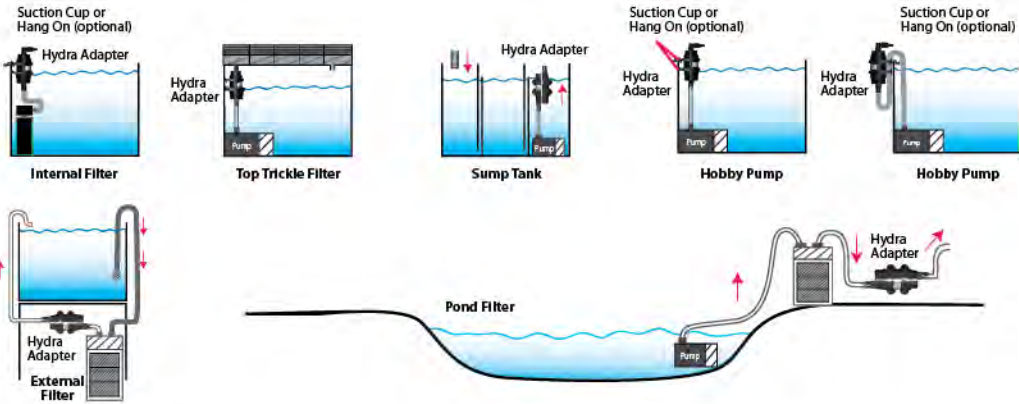
## AQUATIC DEPURATOR - Marine & Freshwater

Hydro-Pure Technology greatly improves your existing aquatic filtration system by constantly breaking down Protein, detoxifying Ammonia (NH<sub>3</sub>) and Nitrite (NO<sub>2</sub><sup>-</sup>), reducing overall level of organic nutrients much faster than normal biological filtration. This constant detoxification process results in biologically clean and safe pristine water quality for your fishes, maintains water quality effectively thus reducing frequency of water change.

- Breaks Down Protein and Nutrients
- Detoxify Ammonia (NH<sub>3</sub>) & Nitrite (NO<sub>2</sub><sup>-</sup>)
- Create and Maintain Safe and Stable Pristine "Hydro-Pure Water"



### Set-up Illustration



Code No	Description	Flow Rates	Specification	Power Consumption	Cable Length	Packing
EF112	Hydra Stream 1	300-1000 L/H	For Tank <300	1.1 W	1.5m	12 pieces/carton
EF113	Hydra Stream 2	500-2000 L/H	For Tank <600	1.3 W	1.5m	12 pieces/carton
EF114	Hydra Stream 3	800-3000 L/H	For Tank <1000	1.5 W	1.5m	12 pieces/carton
EF115	Hydra Stream 1	300-1000 L/H	For Tank <300	1.1 W	5m	12 pieces/carton
EF116	Hydra Stream 2	500-2000 L/H	For Tank <600	1.3 W	5m	12 pieces/carton
EF117	Hydra Stream 3	800-3000 L/H	For Tank <1000	1.5 W	5m	12 pieces/carton

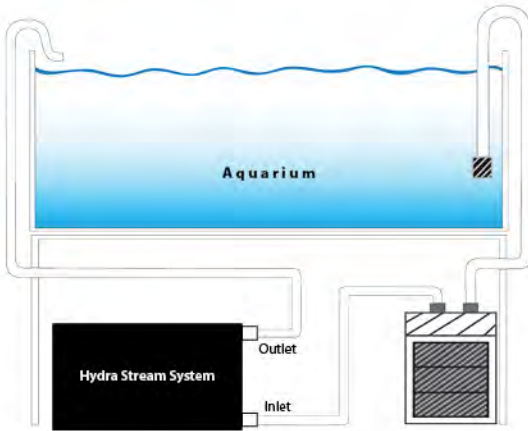
# HYDRA STREAM SYSTEM

Hydra Stream System is a water depurator for large volumes of water, e.g. fish farms, aquaculture, ponds and big tanks.

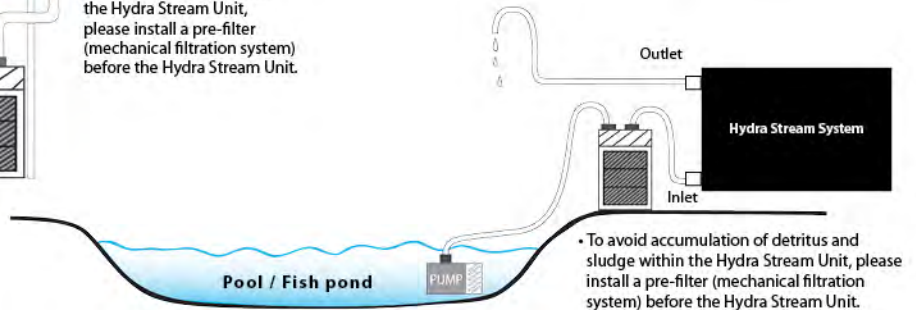
- Detoxifies harmful wastes like Ammonia (NH<sub>3</sub>) and Nitrite (NO<sub>2</sub><sup>-</sup>) to maintain healthy water conditions
- Minimize frequency of water change thus saving time and greater savings on your utility bills
- Increases water DO (Dissolved Oxygen) levels
- Minimize unpleasant smell from aquarium water
- Improves water clarity

**Application**

Pool / fish pond / aquariums usage



• To avoid accumulation of detritus and sludge within the Hydra Stream Unit, please install a pre-filter (mechanical filtration system) before the Hydra Stream Unit.



• To avoid accumulation of detritus and sludge within the Hydra Stream Unit, please install a pre-filter (mechanical filtration system) before the Hydra Stream Unit.



Water-proofed Power Supply Unit for added safety.



Water circulation is designed for maximum purification effect.



Hydro-Pure Technology helps reduce water change frequency. This benefits big facilities by allowing them to reduce utility and labor costs.

Code No	Description	Specification	Power Consumption	Treatment Vol	Flow Rate	Packing
EF121	Hydra Stream System 6	Hydra Stream 3 (6-in-1)	9W	2400-15000	6000-30000L/H	Individual
EF120	Hydra Stream System 8	Hydra Stream 3 (8-in-1)	12W	3200-20000	8000-40000L/H	Individual
EF119	Hydra Stream System 10	Hydra Stream 3 (10-in-1)	15W	4000-25000	10000-50000L/H	Individual



# HYDRA NANO PLUS

## AQUATIC DEPURATOR - Marine & Freshwater

Hydro-Pure Technology greatly improves your existing aquatic filtration system by constantly breaking down Protein, detoxifying Ammonia ( $\text{NH}_3$ ) and Nitrite ( $\text{NO}_2^-$ ), reducing overall level of organic nutrients much faster than normal biological filtration. This constant detoxification process results in biologically clean and safe pristine water quality for your fishes, maintains water quality effectively thus reducing frequency of water change.

- Breaks Down Protein and Nutrients
- Detoxify Ammonia ( $\text{NH}_3$ ) & Nitrite ( $\text{NO}_2^-$ )
- Create and Maintain Safe and Stable Pristine "Hydro-Pure Water"
- Built-in Surface Skimmer

\* Can be use for terrarium tanks.

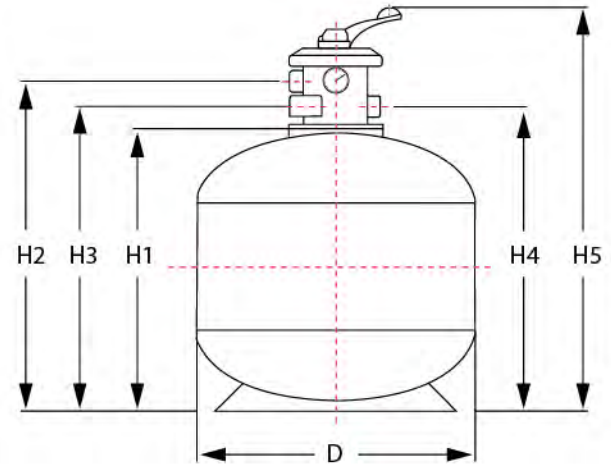


IF105



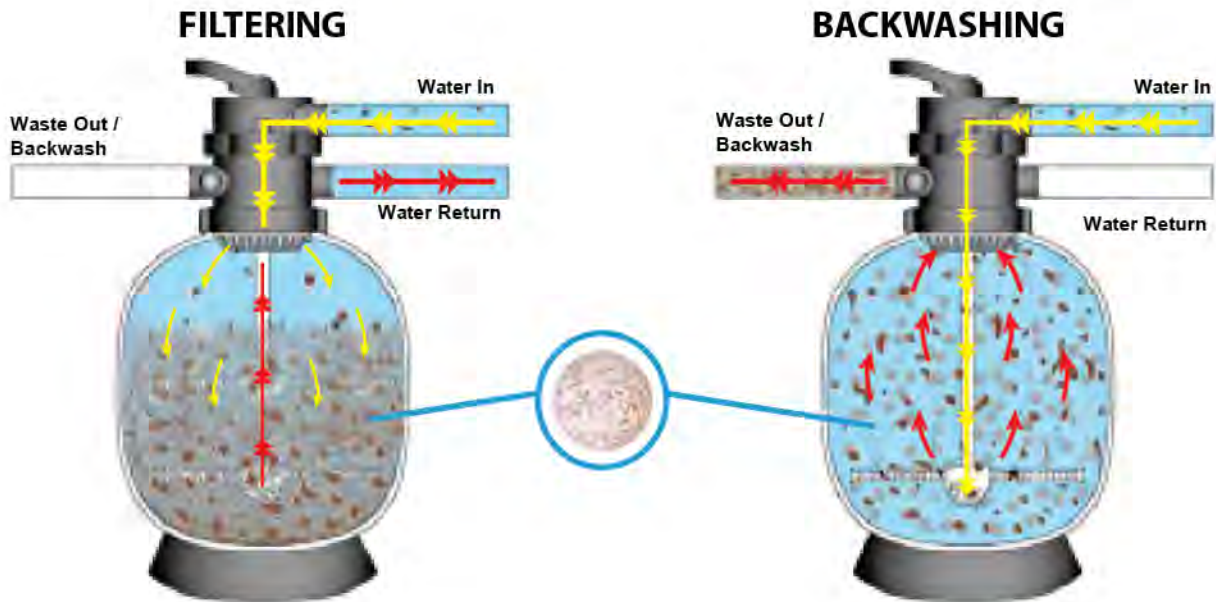
Code No	Flow Rates	Specification	Power Consumption	Packing
IF105	300 L/H	For Tank <50L	5 W	24 pieces/carton
RP363	-	Cata-Pure Cartridge	-	48 pieces/carton

## 3DM BB - Mech Chamber ( $\phi$ 45, 60, 75, 90, 105cm)



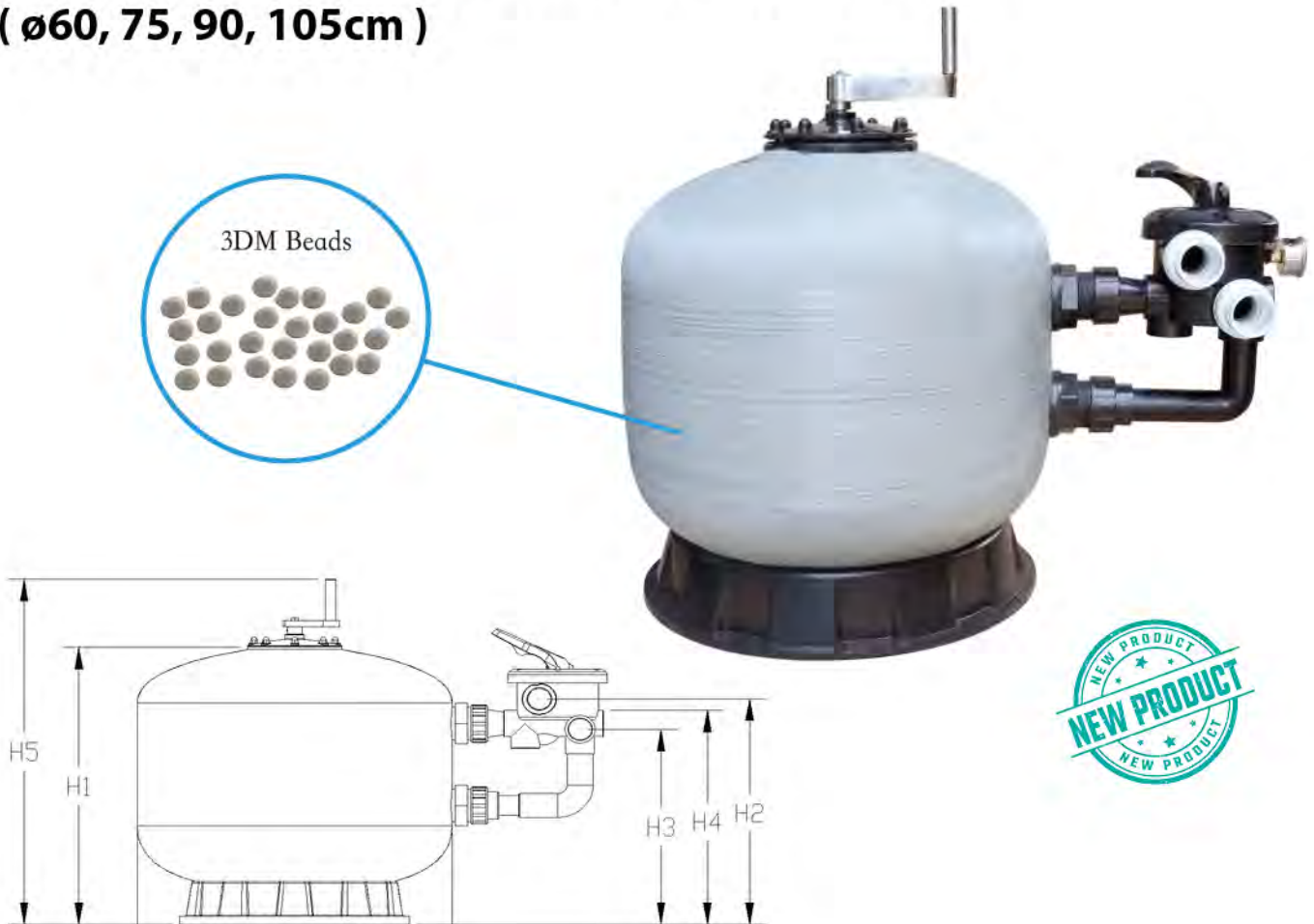
Code	EF136	EF137	EF138	EF145	EF139
Model	BB Mech 450	BB Mech 600	BB Mech 750	BB Mech 900	BB Mech 1050
Main Body Diameter ( mm )	450	600	750	900	1050
Chamber Volume ( L )	48	115	222	380	525
Bio Bead Volume ( L )	40	88	184	328	424
Piping Diameter ( mm / inch )	50 / 1.5" ( 48 )	50 / 1.5" ( 48 )	63 / 2" ( 60 )	63 / 2" ( 60 )	63 / 2" ( 60 )
Recommended Flow Rate L / H	5000 - 10000	10000 - 20000	10000 - 30000	20000 - 50000	20000 - 50000
Recommended for Water Volume	<5000L	<20000L	<30000L	<40000L	<50000L
Body Height ( H1 )	485	620	765	900	1065
Inlet Height ( H2 )	599	744	903	1038	1203
Outlet Height ( H3 )	535	680	829	964	1129
Waste Outlet Height ( H4 )	535	680	829	964	1129
Total Height ( H5 )	740	885	1080	1215	1380



**Illustration :****Product Features :**

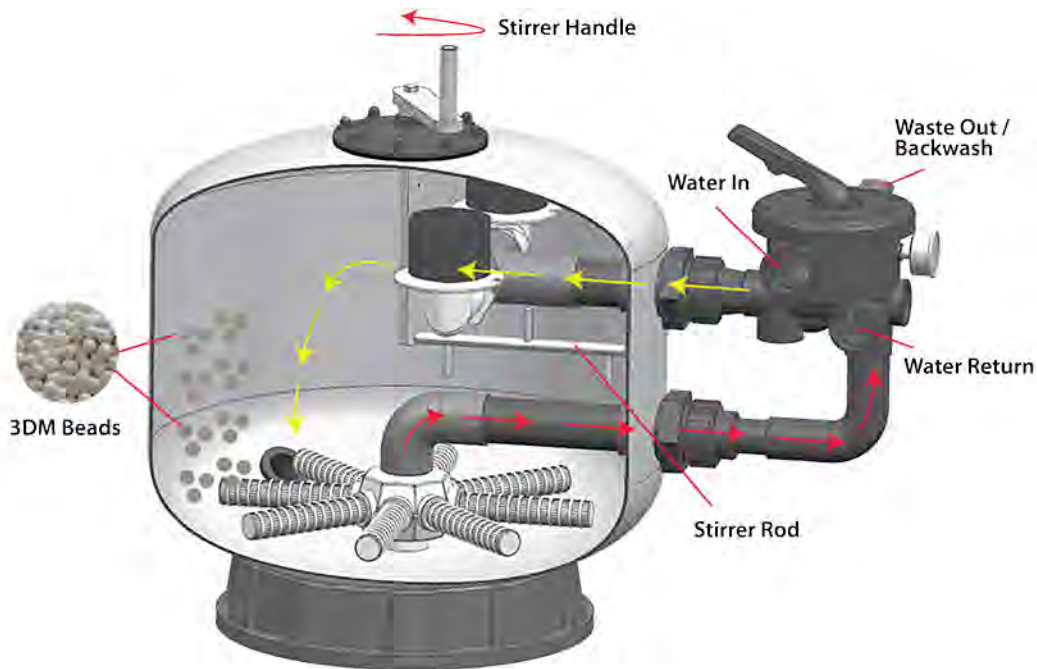
01. Automatic system with high-efficiency filtration, multi-directional valve lever for simple operation, high-strength fiber-glass material production.
02. Unique 3DM high porosity, ultra-light round bead type filter sand, mechanical and biological filtration all-in-one, it traps dirt between sand beads and with the special biofilm on the surface, it can further capture tiny micro dirt. At the same time, it has the unique function of natural dirt reduction.
03. 3DM porous ultra-light round bead type filter sand, requires lower pressure power to operate, this it is energy saving, and protects the environment.
04. Special 3DM porous ultra-light round bead type filter sand has a good biological function and will not cause dead spots in the sand chamber. It has great inner water circulation and does not produce bad odor. There is essentially no B.O.D, C.O.D and hydrogen sulfide present.
05. Pressured filtration flow is a few fold more effective than conventional "flow through" filter sump with filter sponge and filter brushes.
06. Compact small size, it can easily replace traditional filter sump, it saves space and reduces the cost of sump construction greatly. With the modular based system, it can be added at any time according to the needs of the user and the number of fish, thus solving the troubles for the industry players and hobbyist.
07. Comes with manual stirrer lever, the user can turn the stirrer lever while performing back-flushing so that dirt can be thoroughly and swiftly flushed out, preventing chunks build up.
08. Each back-flushing operation requires only 5 minutes to complete. Fixed daily back-flushing will further help to reduce the growth of pathogens and parasites at the same time. The fishes will no longer have to be harmed by their excreta.
09. Maintenance is simple, just requiring regular daily back-flushing, followed by washing the sand chamber at every 2 months. And replenish some 3DM filter sand which may be lost during back-flushing. It is time saving, reduces work and save costs.
10. No emission of noise, the operation is silent, long service life.
11. The operation is very simple, very easy for beginners to master.
12. Easy to install, it can be easily incorporated into the user's original filtration system.

## 3DM BB- Mech Chamber With Stirrer ( ø60, 75, 90, 105cm )



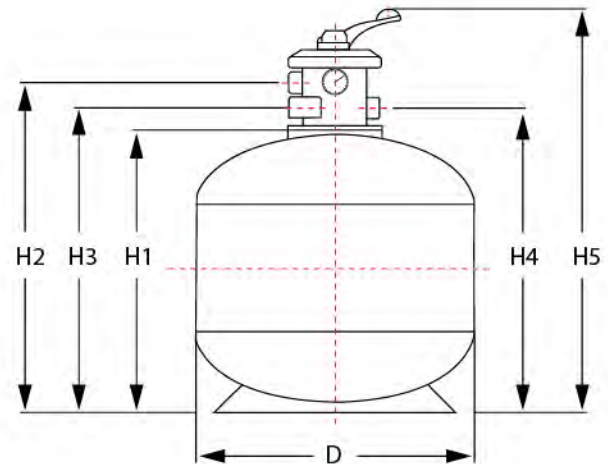
Code	EF0180	EF0181	EF0182	EF0183
Model	BB Mech Stirrer 600	BB Mech Stirrer 750	BB Mech Stirrer 900	BB Mech Stirrer 1050
Main Body Diameter ( mm )	600	750	900	1050
Chamber Volume ( L )	115	222	380	525
Bio Bead Volume ( L )	88	184	328	424
Piping Diameter ( mm / inch )	50 / 1.5" ( 48 )	63 / 2" ( 60 )	63 / 2" ( 60 )	63 / 2" ( 60 )
Recommended Flow Rate L / H	10000 - 20000	10000 - 30000	20000 - 50000	20000 - 50000
Recommended for Water Volume	<20000L	<30000L	<40000L	<50000L
Body Height ( H1 )	630	765	970	1075
Inlet Height ( H2 )	485	600	700	765
Outlet Height ( H3 )	430	525	625	690
Waste Outlet Height ( H4 )	425	515	615	680
Total Height ( H5 )	810	945	1150	1255



**Illustration :****Product Features :**

01. Mechanical Filtration system with high-efficiency filter media, multi-directional valve lever for simple operation, high-strength fiber - glass material production. Built-in Stirrer design that can be manually operated to loosen the filter media during backwashing.
02. Unique 3DM high porosity, ultra-light round bead type filter sand, mechanical and biological filtration all-in-one, it traps dirt between sand beads and with the special biofilm on the surface, it can further capture tiny micro dirt. At the same time, it has the unique function of natural dirt reduction.
03. 3DM porous ultra-light round bead type filter sand, requires lower pressure power to operate, this it is energy saving, and protects the environment.
04. Special 3DM porous ultra-light round bead type filter sand has a good biological function and will not cause dead spots in the sand chamber. It has great inner water circulation and does not produce a bad odor. There is essentially no B.O.D, C.O.D and hydrogen sulfide present.
05. Pressured filtration flow design is many times more effective than conventional "flow through" filter sump with filter sponge and filter brushes.
06. Compact small size, it can easily replace traditional filter sump, it saves space and reduces the cost of sump construction greatly. With the modular based system, it can be added at any time according to the needs of the user and the number of fish, thus solving the troubles for the industry players and hobbyists.
07. Comes with a manual stirrer handle, the user can turn the stirrer handle while performing back-flushing so that dirt can be thoroughly and swiftly flushed out, preventing chunks build-up.
08. Each back-flushing operation requires only 5 minutes to complete. Fixed daily backflushing will further help to reduce the growth of pathogens and parasites at the same time. The fishes will no longer have to be harmed by their excreta.
09. Maintenance is simple, just requiring regular daily backflushing, followed by washing the sand chamber at every 2 months. And replenish some 3DM filter sand which may be lost during backflushing. It is time saving, reduces work and saves costs.
10. No emission of noise, the operation is silent, long service life.
11. The operation is very simple, very easy for beginners to master.
12. Easy to install, it can be easily incorporated into the user's original filtration system.

## 3DM Bio - Chamber ( ø45, 60, 75, 90, 105cm )



Code	EF140	EF141	EF142	EF146	EF143
Model	Bio-Chamber 450	Bio-Chamber 600	Bio-Chamber 750	Bio-Chamber 900	Bio-Chamber 1050
Main Body Diameter ( mm )	450	600	750	900	1050
Chamber Volume ( L )	48	115	222	380	525
Bio Bead Volume ( L )	46	110	215	375	515
Piping Diameter ( mm / inch )	48 (50) / 1.5	48 (50) / 1.5	60 (63) / 2	60 (63) / 2	60 (63) / 2
Recommended Flow Rate L / H	2000 - 5000	5000 - 15000	5000 - 20000	10000 - 30000	10000 - 30000
Base on <b>3%</b> Medium Volume against water Volume	<1500L	<3500L	<7000L	<12000L	<17000L
Base on <b>5%</b> Medium Volume against water Volume	<1000L	<2200L	<4500L	<7500L	<10500L
Base on <b>10%</b> Medium Volume against water Volume	<500L	<1100L	<2250L	<3500L	<5250L
Body Height ( H1 )	485	620	765	900	1065
Inlet Height ( H2 )	599	744	903	1038	1203
Outlet Height ( H3 )	535	680	829	964	1129
Waste Outlet Height ( H4 )	535	680	829	964	1129
Total Height ( H5 )	740	885	1080	1215	1380



**OF® 3DM Pro Filter Medium provides high surface area for beneficial bacteria which helps break-down toxic wastes like Ammonia and Nitrites biologically.**



### 3DM Tetrakis

OF® 3DM Pro-Filter Medium is a revolutionary mineral based beneficial-bacteria medium that incorporates the most advanced heating and multi-staged manufacturing techniques and technology to create this super macro-porous and tough biological filter medium. It's recommended for aquarist seeking the ultimate aquarium biological filter medium.



pH Neutral,  
safe for all fishes



Natural  
micro-flaking  
of Bio-Membrane  
reduces clogging



Improves  
water quality

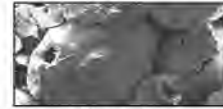


Porosity up to  
75% and Water  
Absorptivity  
up to 78%



High effective  
surface area  
(Up to 2550m<sup>2</sup>)

**Magnified view of exploded continuous cavities and interlinked micro-tunnels.**



Electronic image



Electronic image



x 35 times



x 100 times

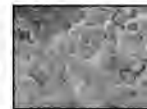


x 200 times

**Different cavity sizes**



0.1 - 3mm large cavity



10 - 500um medium cavity



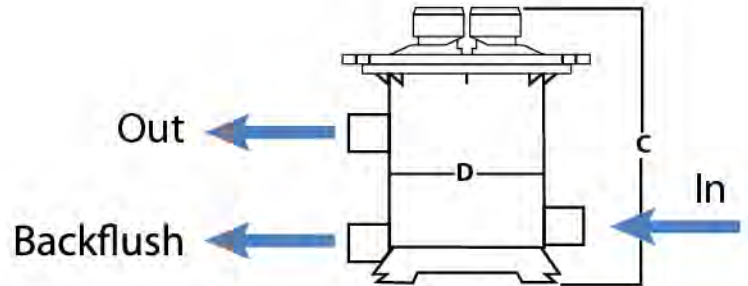
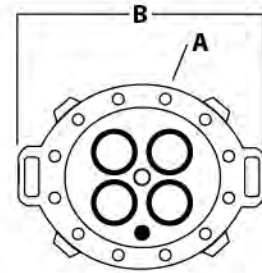
0.1 - 10um micro cavity

## Product Features :

01. Automatic System with high-efficiency filtration, multi-directional valve lever for simple and easy operation, high-strength fiber-glass material production.
02. Unique 3DM High porosity, ultra-light weight and porous cavity biological filter media, providing unlimited growth and high-quality growing surface area for beneficial bacteria, it has 5-15 times effective surface area of other filter media, ensuring sufficient beneficial bacteria group to achieve biological purification of water.
03. Special shape and design ensure that water can flow more evenly through each filter media, and ensure that some waste can pass through the biological system without causing blockage, greatly reducing the frequency of maintenance, thus saving time and trouble.
04. The round shaped bioreactor further ensures a smoother and better circulation of water, with no dead spots in the bioreactor. No odor will be produced, and no B.O.D, C.O.D, and hydrogen sulfide are produced.
05. The solid bioreactor can replace the traditional filtration bio-sump, saving expensive land space and construction cost. Moreover, this product is a modular based system, which can be added or reduced according to the needs of users, and can be shifted at any time to solve the hassle for major group of fish-loving hobbyist, which are not possible with traditional filtration systems.
06. With backwash function, when you need to clean the bio-reactor, just turn the lever to the backwash function, you can simply and effectively clean the filter media of the bio-reactor, which can be completed in a few minutes, which is very time-saving, labor-saving and water saving, and this does not dirty the surrounding and does not create bad smell.
07. It can be more effective and simple to set regular maintenance cleaning, further reducing the accumulation of waste, and indirectly reducing the growth of pathogens and parasites, so that fish will be exposed to less harm from their excreta.
08. Enclosed environment, without light exposure, is more suitable for the growth of beneficial bacteria and further improve the efficiency of the biological reactor.
09. The 3DM bioreactor does not cause significant resistance to water flow, so it saves operational energy, reduce emissions, protect the environment, and save electricity.
10. It can be easily added to any pond that lacks or have insufficient biological conditions, thus solve another big problem for fish lovers.
11. Easy and simple to install, the bioreactor can be installed in any ideal position, not necessarily at the edge of the pond, thus it is very flexible, and it is not limited to shortage of area around the pond.
12. No noise, quiet operation, long service life and low maintenance.
13. The operation is very simple and easy for beginners to master.
14. There is basically no traditional breeding phenomenon of mosquitoes, no appearance of odor, more hygiene and clean, which is a great product for fish lovers.



# Hydra Ginox



## Product Features :

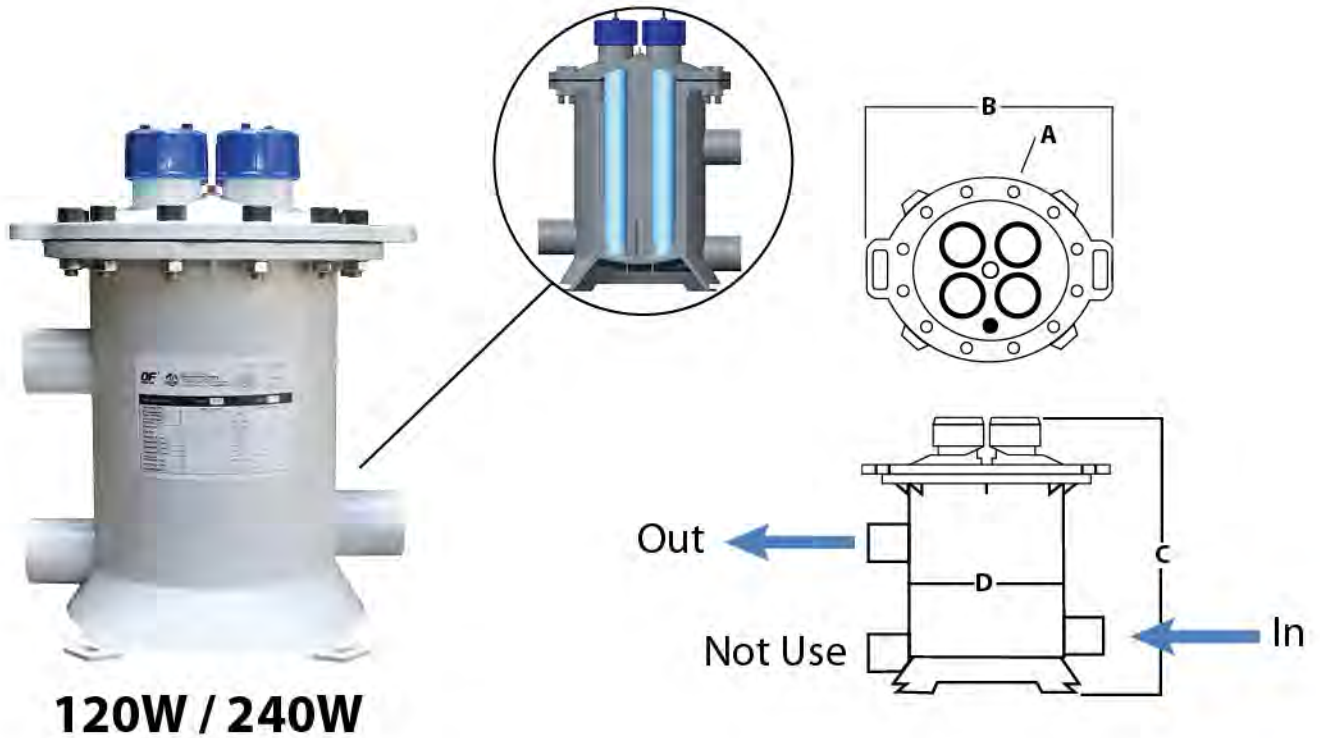
01. Compact and space saving design.
02. Can be conveniently installed away from the pond / aquarium.
03. Can be flexibly installed into existing filtration system.
04. Easy installation and minimum maintenance design.
05. Installation work can be performed by one person.
06. Wide model range selection for different water volume application.
07. For bigger ponds with multiple units, connect in parallel.
08. Can be installed with optional manual backflush unit.
09. Backflush once a month for 30sec.
10. Separate version available for Freshwater and Marine Application.

For Freshwater		For Marine	
Code	Specification	Code	Specification
EF153	500g / 5000L	EF159	500g / 5000L
EF154	1000g / 10000L	EF160	1000g / 10000L
EF155	1500g / 15000L	EF161	1500g / 15000L
EF156	2000g / 20000L	EF162	2000g / 20000L
EF157	2500g / 25000L	EF163	2500g / 25000L
EF158	3000g / 30000L	EF164	3000g / 30000L

Model	Cata-Pure Weight (g)	Recommended Water Volume (L)	Pipe Size	Recommended Flowrate (L / H)	Power (W)	Diameter A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)	Packaging Dimension (mm)	Nett Weight (KG)	Gross Weight (KG)	Power Input
1	500	5000	63/2"(60)	5000 - 10000	3.5	380	450	555	280	470 x 400 x 580	14.9	16.9	DC 5V 2A
2	1000	10000	63/2"(60)	10000 - 20000							15.1	17.1	DC 5V 2A
3	1500	15000	63/2"(60)	10000 - 30000							15.3	17.3	DC 5V 2A
4	2000	20000	63/2"(60)	10000 - 30000							15.5	17.5	DC 5V 2A
5	2500	25000	63/2"(60)	20000 - 40000							15.6	17.6	DC 5V 2A
6	3000	30000	63/2"(60)	20000 - 50000							15.8	17.8	DC 5V 2A



# UV Radiator



## Product Features :

01. High efficiency sterilization and algae removal.
02. Compact and space saving design.
03. Can be conveniently installed away from the pond / aquarium.
04. Can be flexibly installed into existing filtration system.
05. Easy installation and minimum maintenance design.
06. Installation work can be performed by one person.
07. For larger water volume application, connect multiple units in parallel.
08. Each UV Lamp is controlled individually ( 4 units ).
09. Check UV Lamp functionality via Light Guide ( at top cover ).
10. Due to natural degradation of UV light output, advise to replace UV Lamp annually to ensure maximum efficiency.

Code	UV-C Lamp (W)	Recommended Water Volume (L)	Pipe Size	Recommended Flowrate (L/H)	Diameter A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)	Packaging Dimension (mm)	Nett Weight (KG)	Gross Weight (KG)	Power Input
UV023	240W (4 x 60W)	30000	63/2"(60)	5000 - 10000	380	450	571	280	490 x 470 x 615	15	16.5	AC 100 - 240V
UV028	120W (2 x 60W)											

# 3DM SMART INTERNAL FILTER

OF® Smart Internal Filter just got smarter with OF® 3DM Pro-Filter Medium which is a revolutionary mineral based beneficial-bacteria medium that incorporates the most advanced heating and multi-staged manufacturing techniques and technology to create this super macro-porous and tough biological filter medium.

OF® 3DM Smart Internal Filter provides both Mechanical and Biological filtration that ensures organic waste and their toxic by-product are effectively broken down and provide optimum conditions for your fishes.

\* It is suitable for all tropical aquarium setup.

### Features :

- Easy to use; no complicated installation required.
- Adjustable flow direction.
- Quiet and efficient.
- Adjustable flow-rate.
- Venturi Adaptor.



Code No.	Specification	Power Consumption	Max Output	Recommended Tank	Packing
IF114	3DM Smart 400	6W	400 L / H	Up to 45cm	36 pieces/carton
IF115	3DM Smart 600	7.5W	600 L / H	Up to 60cm	24 pieces/carton
IF116	3DM Smart 800	10W	800 L / H	Up to 75cm	24 pieces/carton
IF117	3DM Smart 1000	15W	1000 L / H	Up to 90cm	16 pieces/carton
IF118	3DM Smart 1200	18W	1200 L / H	Up to 120cm	12 pieces/carton
IF119	3DM Smart 1500	27W	1500 L / H	120cm and above	12 pieces/carton

## 3DM SMART RINGS CARTRIDGE



Code No.	Specification	Packing
RP529A	For 3DM Smart 400	24 pieces/carton
RP529B	For 3DM Smart 600 & 800	24 pieces/carton
RP529C	For 3DM Smart 1000	24 pieces/carton
RP529D	For 3DM Smart 1200 & 1500	24 pieces/carton



## SMART INTERNAL FILTER

- Simple
- Quiet
- Efficient

Utilizing a specially designed core, the SMART Internal Filter cleans, detoxifies and treats the water with 3 filtration stages – Mechanical, Biological and Chemical filtration. The main bio-foam compartment combined with the chemical filtration shaft ensures organic waste and their toxic by-products are effectively broken down, providing optimum conditions for your fishes.

\* It is suitable for all tropical aquarium setup.

### Features:

- Adjustable flow direction
- Adjustable flow-rate
- Easy to use; no complicated installation required
- Quiet and efficient
- 3 Stage Filtration for maximized cleaning efficiency



Code No	Description	Specification	Power Consumption	Packing
IF093	Smart Internal Filter 400	400 L/H	6 W	36 pieces/carton
IF094	Smart Internal Filter 600	600 L/H	7.5 W	24 pieces/carton
IF095	Smart Internal Filter 800	800 L/H	10 W	24 pieces/carton
IF096	Smart Internal Filter 1000	1000 L/H	15 W	16 pieces/carton
IF097	Smart Internal Filter 1200	1200 L/H	18 W	12 pieces/carton
IF098	Smart Internal Filter 1500	1500 L/H	27 W	12 pieces/carton

## SMART BIO FOAM / SMART ACTIVATED CARBON WITH ZEOLITE CARTRIDGE

SMART Filter inserts allows for quick and easy replacement of filter mediums in your SMART FILTER.



Code No	Description	Specification	Packing
RP197A	Smart Bio-Foam	For Smart Underwater Filter 400	48 pieces/carton
RP197B	Smart Bio-Foam	For Smart Underwater Filter 600/800	48 pieces/carton
RP197C	Smart Bio-Foam	For Smart Underwater Filter 1000	48 pieces/carton
RP197D	Smart Bio-Foam	For Smart Underwater Filter 1200/1500	48 pieces/carton
RP198A	Smart Activated Carbon with Zeolite Cartridge	For Smart Underwater Filter 400	48 pieces/carton
RP198B	Smart Activated Carbon with Zeolite Cartridge	For Smart Underwater Filter 600/800	48 pieces/carton
RP198C	Smart Activated Carbon with Zeolite Cartridge	For Smart Underwater Filter 1000	48 pieces/carton
RP198D	Smart Activated Carbon with Zeolite Cartridge	For Smart Underwater Filter 1200/1500	48 pieces/carton

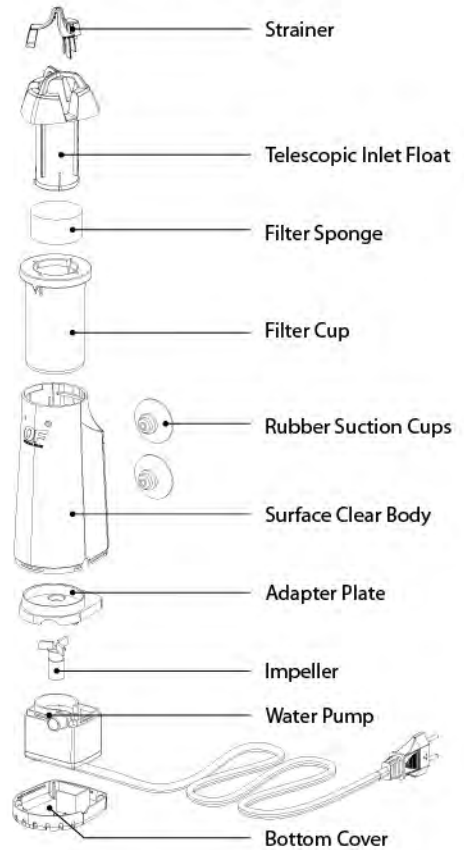
# SURFCLEAR SURFACE SKIMMER

- Effective Surface Skimming
- Safe for small Shrimps & Fishes
- Easy Cleaning
- Adjustable Flow Rate
- Adaptive to Water Level Changes
- Multi-Directional Flow Outlet

The aquarium water surface may develop unsightly oil slicks due to fish waste, uneaten feeds and dirty air. Oil slicks reduce the amount of gas exchange at the water surface and the air above, which will reduce the amount of oxygen in the water. Oil slicks also cause reductions in light penetration into the water. The OF Surf Clear Aquatic Surface Skimmer can effectively remove any oil slicks and keep the water surface clean and clear.



**OF® SURFCLEAR Components:**



**Features:**

<p><b>Effective Surface Skimming</b></p>	<p><b>Easy Cleaning</b></p>		
<p><b>Safe for Small Shrimps &amp; Fishes</b></p>	<p><b>Adjustable Flow Rate</b></p>	<p><b>Adaptive to Water Level Changes</b></p>	<p><b>Multi-Direction Flow Outlet</b></p>

Code No	Specification	Max Flow Rates	Power Consumption	Packing
SM042	4.5 x 6 x 13.5cm	50-200 L/H	3 W	48 pieces/carton



# RAPTOR

## Submersible Filter

### Features

- Mechanical & Biological Filtration. Special biological coarse black filter sponge (ideal for nurturing beneficial bacteria)
- Easy to upgrade. Capable of adding extra filter cartridge for better performance.
- Multi-use. Can be used as internal filter or powerhead.
- Easy to use. Removable parts for easy maintenance.
- Reliable, Powerful and Silent. For freshwater and marine.



Durable



Silent



Energy Saving



Strong Performance



### Applications

- Improves water circulation within main tank to minimize dead spots within the tank and enhances aeration.
- Creates water current for fishes that require stronger water flow.
- Can be used together with under-gravel filters and for water transfer.
- For freshwater and marine aquarium, terrarium and small ponds.

Code No.	Specification	Max Flow (L/H)	Max Height (M)	Power Consumption	Packing
IF108	Raptor F-3000	300	0.65	1.8W	96 pieces/carton
IF109	Raptor F-7500	750	0.85	6.0W	48 pieces/carton
IF110	Raptor F-9500	950	1.20	10.0W	48 pieces/carton
IF111	Raptor F-12000	1200	1.40	15.0W	36 pieces/carton
IF112	Raptor F-16000	1600	1.85	22.0W	36 pieces/carton
IF113	Raptor F-24000	2400	2.20	25.0W	24 pieces/carton

### SUPERBOY G2 - 600

- Aqua Zonic Super Boy Generation II is a high quality aquarium filtering system using special selected material for longer life span and stable performance
- Easy to install & minimum maintenance
- One of the world leading top quality filter



Code No	Description	Specification	Power Consumption	Packing
TF042	Top Filter 600	1080 L/H	15.5 W	6 pieces/carton

### SUPERBOY G2 - MOTOR & PARTS

- Suitable For Majority Top Filter
- Flow Rate 1080L / H



Code No	Description	Specification	Power Consumption	Packing
TF043	Motor 600	1080 L/H	15.5 W	24 pieces/carton

### BLACK KNIGHT TOP FILTER

- Chemically
- Circulation
- Oxygen Supply
- Mechanical, Biological & Chemical filtration in order to obtain the ultimate results
- Flexibility of selecting own filter medium to suit individual needs
- Strong output to ensure full recycling of aquarium water through filter
- Special design, easy to use, install & maintain
- Mechanically
- Biologically



Code No	Description	Max. Flow Rate	Volume H/Max	Power (W)	Filter Tray Volume	Packing
TF047	Black Knight-1	800 L/H	1.4 M	8 W	1.9 L	20 pieces/carton
TF048	Black Knight-2	1000 L/H	1.6 M	12 W	2.3 L	20 pieces/carton
TF049	Black Knight-3	1100 L/H	1.7 M	15 W	3.6 L	20 pieces/carton
TF050	Black Knight-4	1800 L/H	1.8 M	18 W	4.9 L	12 pieces/carton



# AQUA PRO EXTERNAL CANISTER FILTER

Superior performance and enhanced reliability. Designed for all dedicated aquarists.

- Powerful and silent operation
- Smart Start Pump for easy set-up
- Versatile Hose Adaptor inlet & outlet valve
- Individual filter basket for maximized filtration efficiency
- UV Sterilizer to reduce algae & harmful pathogens  
(Apply only to filter with UV)



**Included Accessories**

1. Hose Adaptor Head
2. Hose Adaptor Clip
3. Clip
4. Pump Head
5. Filter Basket Cover
6. Filter Basket-4
7. Filter Basket-3
8. Filter Basket-2
9. Filter Basket-1
10. Clip
11. Filter Body
12. Inlet Hose
13. Outlet Hose
14. Rain Bar Set
15. Outlet Pipe Set
16. UV Lamp  
(Aqua Pro UV Only)

Code No	Description	Max. Flow Rate	Power Consumption	Packing
EF102	Aqua PRO 800	800 L/H	18 W	Individual
EF103	Aqua PRO 1200	1200 L/H	25 W	Individual
EF108	Aqua PRO 1200-UV	1200 L/H	25 W	Individual
EF104	Aqua PRO 1800	1800 L/H	45 W	Individual
EF106	Aqua PRO 1800-UV	1800 L/H	45 W	Individual
EF105	Aqua PRO 2200	2200 L/H	60 W	Individual
EF107	Aqua PRO 2200-UV	2200 L/H	60 W	Individual

# AQUA PRO FILTER MEDIUM

- The most complete and sophisticated range of Filter Medias.
- Proven highly effective for mechanical, biological and chemical filtration.
- Product manufactured under stringent quality control and production.
- Extensive range for mix and match usage.
- Ultimate solution for filter media usage.



Code No	Description	Specification	Packing
FM158	Pro Activated Carbon	400g	36 pieces/carton
FM159	Pro Activated Ceramic Ring	500g	36 pieces/carton
FM160	Pro Bio Wool-White	For Aqua Pro 800/1200/1200UV-2pcs	36 pieces/carton
FM161	Pro Bio Foam-Black	For Aqua Pro 800/1200/1200UV-2pcs	36 pieces/carton
FM162	Pro Bio Foam-Blue	For Aqua Pro 800/1200/1200UV-2pcs	36 pieces/carton
FM163	Pro Bio Wool-White	For Aqua Pro 1800/1800UV/2200/2200UV-2pcs	24 pieces/carton
FM164	Pro Bio Foam-Black	For Aqua Pro 1800/1800UV/2200/2200UV-2pcs	24 pieces/carton
FM165	Pro Bio Foam-Blue	For Aqua Pro 1800/1800UV/2200/2200UV-2pcs	24 pieces/carton



## SUPER BIO-FOAM FILTER / SPARE SPONGE

Innovative Bio-Foam filter to provide the best filtration for small tropical fish tank or breeding tank.

- Bio-Foam is able to cater for mechanical and biological filtration effect
- Can be used for breeding tanks or / and used as an efficient secondary filter
- The whole Bio-Foam area is efficiently used as a filter. No dead spots present
- Can be used on different filtration installations



Code No	Specification	Packing
BFBABY	For Tank Below 40L	200 pieces/carton
BF1	For Tank Below 100L	80 pieces/carton
BF2	For Tank Below 200L	60 pieces/carton
BF4	For Tank Below 380L	45 pieces/carton
BFJJUMBO	For Tank Below 680L	24 pieces/carton

Code No	Specification	Packing
AW106	For BF1	50 pieces/carton
AW107	For BF2	50 pieces/carton
AW108	For BF4	50 pieces/carton
AW118	For BFJJUMBO	50 pieces/carton

## SUPER FASTERN BIO-FOAM FILTER / SPARE SPONGE

Special designed Bio-Foam filter mainly for Discus, small tropical fishes or fry tanks.

Multi-layered to give the best possible filtration and yet gentle enough not to create too much turbulence.

- Unique break-thru Foam filtering concept with multi-layering Bio-Foam that provides the largest surface area for beneficial bacterial colonization
- Air diffusing chamber produces fine gentle bubbles to increase oxygen solubility in the water. Gentle enough for fish fry tanks
- Easy to maintain and clean. Bio-Foam can be removed, rinsed and re-used



Code No	Specification	Packing
FBFBABY	For Tank Below 40L	180 pieces/carton
FBF1	For Tank Below 100L	56 pieces/carton
FBF2	For Tank Below 200L	40 pieces/carton
FBF3	For Tank Below 250L	20 pieces/carton

Code No	Specification	Packing
AW115	For FBF1	50 pieces/carton
AW116	For FBF2	50 pieces/carton
AW117	For FBF3	50 pieces/carton



## ULTRA SLIM HANG ON FILTER

- Easy restart without adding water
- High efficient filtration
- Effectively skim away surface oil film caused by bio waste
- Special cascade flow design improves dissolved oxygen level
- Quiet operation
- Ultra slim compact design
- Adjustable flow regulating valve to achieve optimal flow rate



EF118

EF109

EF110

EF111

Code No	Description	Flow Rates	Power Consumption	Packing
EF118	Ultra Slim Hang On Filter-US-BABY	180 L/H	3 W	36 pieces/carton
EF109	Ultra Slim Hang On Filter-US-01	200 L/H	3.5 W	36 pieces/carton
EF110	Ultra Slim Hang On Filter-US-02	260 L/H	4.2 W	24 pieces/carton
EF111	Ultra Slim Hang On Filter-US-03	300 L/H	4.8 W	18 pieces/carton

## REPLACEMENT FILTER PAD

- Effectively filter away bio wastes
- Removes stain water, fishy odour
- Bio toxic thus enhancing superior water quality

\* Suitable for Ultra Slim Hang On Filter (US-01, US-02, US-03)



FM179  
Bio-Wool with  
Activated Carbon



FM180  
Bio-Wool Only



Code No	Specification	Packing
FM179	Bio-Wool with Activated Carbon	36 pieces/carton
FM180	Bio-Wool Only	36 pieces/carton

## MULTI-LAYER CORNER FILTER

- An easy and efficient way to increase oxygen supply
- Multi-layered compartments designed for ease of maintenance
- Wide range of application on different filtration installations



Code No	Specification	Packing
AF073	For Tank Below 40L	80 pieces/carton

## CRYSTAL HANG-ON FILTER / HANG-ON FILTER 2 & 3-G2

- Easy setup with flow rate adjustable
- Mini compact filter with capable bio-filtering result
- Long lasting and durable powerhead
- Fit for use for any small sized aquarium
- Self priming capability ( in case of power cut ) if water level is at substantial level
- Made with clear see through material for easy supervision



EF075



EF087

EF086

Code No	Description	Specification	Power Consumption	Packing
EF075	Crystal Hang-On Filter 1	120-150 L/H	3.5 W	60 pieces/carton
EF086	Crystal Hang-On Filter 2-G2	500 L/H	4.5 W	36 pieces/carton
EF087	Crystal Hang-On Filter 3-G2	680 L/H	6.5 W	24 pieces/carton

## NANOSKIM PROTEIN SKIMMER

- Compact Design • For aquariums up to 60cm • Easy Maintenance
- Lime Wood Air Stone • Removable Collection Cup
- Removes organic waste compounds efficiently
- Can be installed in aquarium or filter compartment

OF NANOSKIM is designed for easy removal of organic waste compounds from your marine aquarium. Fine bubbles that are created by the air stone traps dissolved organic waste compounds and form a dense foam at the water surface. The constant upwards airflow forces the foam into the collection cup which can then be removed.

OF NANOSKIM effectively skims the waste materials off thus preventing bacteria from decomposing these organic compounds to nitrate and phosphate. It also helps to reduce the amount of harmful free floating bacteria.



Code No	Specification	Packing
SM041	For Tank Below 300 Litre	36 pieces/carton



# MICRO

## SUBMERSIBLE UV - C LAMP

with Air-Lift design

### FEATURES

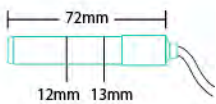
- Effective UV-C Sterilization Spectrum
- High Transparency Quartz Glass
- Effectively controls green water
- Comes with protective sponge shield and smart Air-Lift design
- Micro size to fit into small tanks and filter compartments

### INTRODUCTION

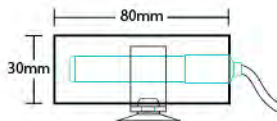
The Micro Submersible UV-C Lamp is developed to effectively perform sterilization of water, killing harmful virus and bacteria pathogens and prevents green water by killing algae cells, making the water crystal clear. It comes with a sponge shield to prevent direct UV-C radiation from harming fishes. It can also function as a micro air-lift sponge filter with an external air pump. This product is suitable for small aquarium tanks (<150L water) and also for terrarium. Its micro size is also possible to be inserted into the filter compartments of suitable size hang-on filters and overhead filters.



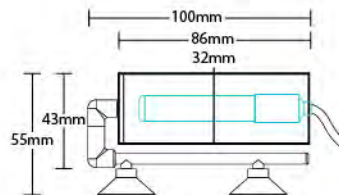
### PRODUCT DIMENSION



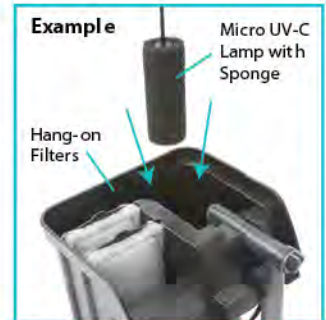
Micro Submersible UV-C Lamp



Micro Submersible UV-C Lamp with Sponge



Micro Submersible UV-C Lamp with Air-Lift Design



Use with suitable size hang-on filters and overhead filters

### OTHER POSSIBLE APPLICATIONS IN SUITABLE SIZE FILTER COMPARTMENT & TERRARIUM



Back Filter



Hang-On Filter



Top Filter



Terrarium

Code No

UV-C Lamp Power

Power Adapter Input

Power Adapter Output

Packing

UV029

3W

100-240VAC

DC 5V 1000mA

24 pieces/carton

# SMART-UVC INTERNAL FILTER

OF® SMART-UVC Internal Filter incorporates Mechanical & Biological Filtration and UV-C Sterilization to keep your water clean and your fishes healthy.

It is suitable for all tropical aquarium setup.

## Features

- Keeps water clean and clear.
- Controls green water ( free floating algae ) without chemical usage.
- Germicidal UV-C Bulb is effective in disease prevention by eliminating harmful floating bacteria pathogens & fungal spores.
- Easy to use; no complicated installation required.
- Adjustable water flow direction.
- Adjustable water flow-rate.
- Quiet and efficient.
- 1 year warranty excluding UV Lamp.

## Installation

1. Check that UV and UV Glass Cover are not cracked.
2. Filling your aquarium to your preferred water level before installation will give you a better indication of where to position the unit.
3. Once the position is determined, use suction cups to secure the unit to the inner glass surface of your aquarium.
4. Plug in the power cord; please create a drip loop to prevent water that is running down the power cable from reaching the power plug.
5. Ensure that the appliance is properly secure before turning the power on.



BEFORE



AFTER



### GERMICIDAL GRADE UV-C

Eliminates Free Floating Algae and Harmful Bacteria Pathogens



### 280 - 500 HIGH FLOWRATE

Adjustable Flowrate for Different Requirements



### 3 STAGE FILTRATION

Helps Maintain Clean and Clear Water

Code No.	Description	Flow Rate (L/H)	Pump Power Consumption	UV-C Intensity ( $\mu\text{w}/\text{cm}^2$ )	UV-C Power Consumption	Packing
IF106	Internal Filter 5W	280 - 500	7W	25000	5W	12 pieces/carton
IF107	Internal Filter 7W	280 - 500	7W	30000	7W	12 pieces/carton
IF0125	Internal Filter 9W	1000	15W	32000	9W	12 pieces/carton
IF0126	Internal Filter 13W	1500	27W	33000	13W	12 pieces/carton
LT396	Replacement Bulb 5W	-	-	-	-	96 pieces/carton
LT397	Replacement Bulb 7W	-	-	-	-	96 pieces/carton
LT0423	Replacement Bulb 9W	-	-	-	-	25 pieces/carton
LT0424	Replacement Bulb 13W	-	-	-	-	25 pieces/carton



# ANCHORAGE SUBMERSIBLE

## High Power UV Lamp

### Function :

- Special Quartz Glass
- Kills Harmful Bacteria Pathogens
- More Efficient & High Power
- Controls Green Water
- Self-Sinking



### Introduction :

Aqua Zonic Anchorage Submersible High Power UV Lamp is specially made for underwater Sterilization needs and comes in different sizes to suit all purposes. Made with high quality material and total waterproofed, well-designed self-sinking anchor weight allows the UV Lamp to be secure and stable in place making it low maintenance, reliable and can be used for extended period of time. UV tube is replaceable as well when the need arises.

### Heavy Submersible Weight Included :



### Code No.

UV021

UV022

### Specification

Anchorage Submersible - 60 W

Anchorage Submersible - 95 W

### Packing

6 pieces/carton

6 pieces/carton

# MINI SUBMERSIBLE UV-C LAMP G3

### Function :

- Effective UV-C Spectrum
- High transparency quartz glass
- Effectively control green water
- 24 hours adjustable timer
- 360° removable reflector

### Introduction :

Aqua Zonic Mini Submersible UV-C Lamp G3 is developed for sterilization of water and effectively kill harmful bacteria pathogens that's available in multiple specifications. Well waterproof, high performance using high-quality quartz glass. This unit is well-designed, low maintenance, durable, safe and reliable with replaceable UV-C tube.



### Code No.

UV024

UV025

UV026

UV027

### Description

Mini Submersible UV-C Lamp G3 - 5W

Mini Submersible UV-C Lamp G3 - 7W

Mini Submersible UV-C Lamp G3 - 9W

Mini Submersible UV-C Lamp G3 - 11W

### Specification

17.5cm

19.0cm

21.5cm

25.5cm

### Packing

24 pieces/carton

24 pieces/carton

24 pieces/carton

24 pieces/carton

# SUPER UNIVERSAL UV FILTER

- Extra long UV effective hours - 5000 hours
- Helps obtain and maintain optimal water quality
- Multiple fittings provided for flexibility in application
- End indicator for safe and easy checking of UV lamp
- Special Quartz glass used for maximum UV penetration and efficiency
- Clarifies water and controls algae ( green water ) without chemical usage
- Highly effective in disease prevention by eliminating harmful bacteria pathogens & fungal spores



Code No	Inlet & Outlet Connector-ø	Cable Length (M)	Effection Hour	For Tank/Pond Size Up To	Power Consumption	Packing
UUV2000	12/16mm or 16/22mm	5 m	5000	2000L	5 W	12 pieces/carton
UUV9000	12/16mm or 16/22mm	5 m	5000	9000L	9 W	12 pieces/carton
UUV10000	12/16mm or 16/22mm	5 m	5000	10000L	11 W	12 pieces/carton
UUV12000	12/16mm or 16/22mm	5 m	5000	12000L	13 W	12 pieces/carton
UUV20000	12/16mm or 16/22mm	5 m	5000	20000L	18 W	12 pieces/carton
UUV35000	12/16mm or 16/22mm	5 m	5000	35000L	36 W	6 pieces/carton
UUV48000	12/16mm or 16/22mm	5 m	5000	48000L	55 W	6 pieces/carton

# UV LAMP 5000

- Highly effective in disease prevention by eliminating harmful bacteria pathogens & fungal spores
- Extra long UV effective hours: 5000 hours
- Compatible with other UV Filters



Code No	Description	Specification	Packing
LT196	G-23	5 W (2000L)	24 pieces/carton
LT197	G-23	9 W (9000L)	24 pieces/carton
LT198	G-23	11 W (10000L)	24 pieces/carton
LT199	2G-11	13 W (12000L)	24 pieces/carton
LT200	2G-11	18 W (20000L)	12 pieces/carton
LT201	2G-11	36 W (35000L)	12 pieces/carton
LT202	2G-11	55 W (48000L)	6 pieces/carton





## MINI SUBMERSIBLE UV-C LAMP

- Controls Green Water
- More Compact
- Special Quartz Glass
- Kills Harmful Bacteria Pathogens!

**Function:**

- Clears water and controls green water (free floating algae without chemical usage)
- Effectively in disease prevention by eliminating harmful bacteria pathogens & fungal spores
- Clear quartz glass for better efficiency
- Safe for aquarium livestock
- Waterproofed and submersible in water
- Replaceable UV-C tube



Before



After

UV009

UV010

UV011

UV012



**Code No.**

UV009  
UV010  
UV011  
UV012

**Description**

Mini Submersible UV-C Lamp  
Mini Submersible UV-C Lamp  
Mini Submersible UV-C Lamp  
Mini Submersible UV-C Lamp

**Specification**

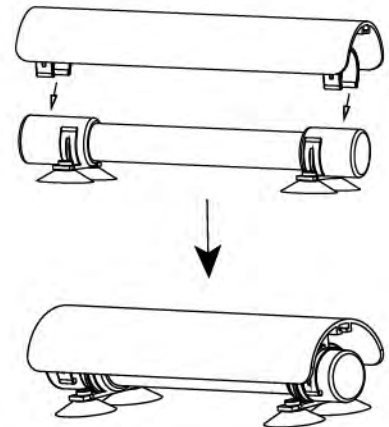
5W / 17.5cm  
7W / 19cm  
9W / 21.5cm  
11W / 25.5cm

**Packing**

24 pieces/carton  
24 pieces/carton  
24 pieces/carton  
24 pieces/carton

## MINI SUBMERSIBLE UV-C LAMP SHADE

- Minimizes direct eye contact with UV-C Ray
- Blocks and protects your livestock and beneficial bacteria from UV-C Ray.



**Code No.**

RP515  
RP516

**Description**

Mini Submersible UV-C Lamp Shade  
Mini Submersible UV-C Lamp Shade

**Specification**

for 5W / 7W  
for 9W / 11W

**Packing**

60 pieces/carton  
60 pieces/carton

## SUBMERSIBLE UV LAMP-G2-i

- Special Quartz Glass
- Improved Version
- More Efficient
- More Compact
- Internal Ballast

Aqua Zonic Submersible UV Lamp G2-i is specially made for underwater sterilization needs and comes in different sizes to suit all purposes. Made with high quality material and total waterproofed, this product is well-designed, low maintenance, reliable and can be used for extended period of time. UV tube is replaceable as well when the need arises.



Code No	Description	Specification	Packing
UV005	Submersible UV Lamp-G2-i	15 W / 53.5 cm	12 pieces/carton
UV006	Submersible UV Lamp-G2-i	20 W / 58.5 cm	12 pieces/carton
UV007	Submersible UV Lamp-G2-i	30 W / 81.5 cm	12 pieces/carton
UV008	Submersible UV Lamp-G2-i	40 W / 110.5 cm	12 pieces/carton

## SUBMERSIBLE UV LAMP-G2

- Special Quartz Glass
- Improved Version
- More Efficient
- More Compact

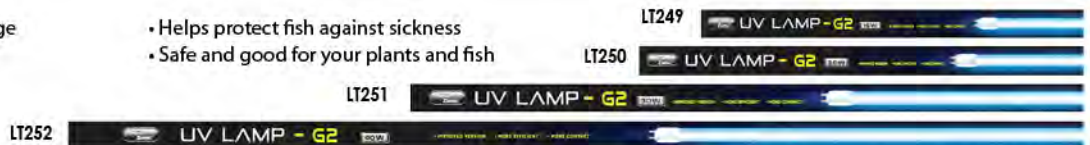
Aqua Zonic Submersible UV Lamp G2 is specially made for underwater sterilization needs and comes in different sizes to suit all purposes. Made with high quality material and total waterproofed, this product is well-designed, low maintenance, reliable and can be used for extended period of time. UV tube is replaceable as well when the need arises.



Code No	Description	Specification	Packing
UV001	Submersible UV Lamp-G2	15 W / 35 cm	12 pieces/carton
UV002	Submersible UV Lamp-G2	20 W / 40 cm	12 pieces/carton
UV003	Submersible UV Lamp-G2	30 W / 59.5 cm	12 pieces/carton
UV004	Submersible UV Lamp-G2	40 W / 88.5 cm	12 pieces/carton

## UV LAMP-G2

- Improved Version
- More Efficient
- More Compact
- Controls Algae, Bacteria, Sludge
- Helps protect fish against sickness
- Improves water quality
- Safe and good for your plants and fish



Code No	Description	Specification	Packing
LT249	UV Lamp-G2	15 W / 31.1 cm (with pin)	12 pieces/carton
LT250	UV Lamp-G2	20 W / 36.4 cm (with pin)	12 pieces/carton
LT251	UV Lamp-G2	30 W / 55.8 cm (with pin)	12 pieces/carton
LT252	UV Lamp-G2	40 W / 85.1 cm (with pin)	12 pieces/carton



# Little Giant Amphibious Pump

## FEATURES

- The pump motor is completely sealed with unique sealant that provides excellent electrical insulation.
- The hi-tech motor and distinctive housing structural design, result in a water pump that is very energy efficient and highly durable.
- Equipped with interchangeable connector parts to provide flexibility in amphibious application areas.
- Reliable, Easy Maintenance, Silent and Powerful.



Energy Saving



High Head Pressure & Flowrate

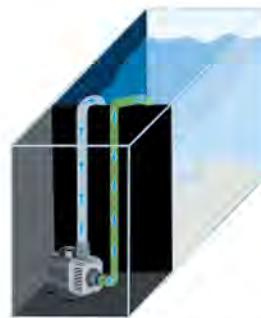


Silent Operation



## APPLICATION

- Precision impeller shaft made of high density aluminum-ceramic for durable operation in freshwater and seawater applications.
- The water pump designed for both submersible and amphibious applications.
- Applicable in areas for general water pumping, improving aeration, wave-making, water filtration and water fountain ...etc.
- The water pump body casing is made of high quality durable plastics to withstand corrosion.



Amphibious Pump Application



Submersible Pump Application

Code No	Description	Max Output Output (L/H)	Power Consumption	Max Head (M)	Packing
WP107	Little Giant 2200	2200 L/H	40 W	2.5M	12 pieces/carton
WP108	Little Giant 2800	2800 L/H	48 W	3M	12 pieces/carton
WP109	Little Giant 3200	3200 L/H	60 W	3.5M	12 pieces/carton
WP110	Little Giant 4800	4800 L/H	90 W	4.5M	8 pieces/carton
WP111	Little Giant 5800	5800 L/H	105 W	5.5M	8 pieces/carton
WP112	Little Giant 7000	7000 L/H	125 W	5.5M	4 pieces/carton

# SUPERBOY

## POWERHEAD & PUMP

GII



Compact  
Design



Low  
Maintenance



High  
Performance



Energy  
Saving



Durable &  
Silent

### APPLICATION & FEATURE:

- Suitable for Freshwater and Saltwater aquarium.
- Suitable for terrarium and small ponds.
- Create water current for fishes that require strong water flow.
- Improve water circulation and enhances aeration.
- Compact design, durable and silent.
- High performance with low energy consumption.
- Easy to maintain.

Code No.	Specification	Max Flow (L/H)	Max Height (M)	Power Consumption	Packing
PH148	Superboy G2 800	800	1.3	15W	24 pieces/carton
PH149	Superboy G2 1300	1300	1.3	25W	24 pieces/carton
PH150	Superboy G2 1800	1800	1.5	35W	24 pieces/carton
PH151	Superboy G2 2300	2300	2.5	45W	24 pieces/carton



# RAPTOR

## Submersible Powerhead & Pump

### Features

- Reliable, Powerful and Silent Submersible Powerhead.
- Wear-resistant Ceramic Shaft.
- Easy availability of spare parts.
- Easy to maintain.
- Freshwater and Marine.



Durable



Silent



Energy Saving



Strong Performance



### Applications

- Improves water circulation within main tank to minimize dead spots within the tank and enhances aeration.
- Creates water current for fishes that require stronger water flow.
- Can be used together with under-gravel filters and for water transfer.
- For freshwater and marine aquarium, terrarium and small ponds.

Code No.	Specification	Max Flow (L/H)	Max Height (M)	Power Consumption	Packing
PH142	Raptor 3000	300	0.65	1.8W	120 pieces/carton
PH143	Raptor 7500	750	0.85	6.0W	60 pieces/carton
PH144	Raptor 9500	950	1.20	10.0W	60 pieces/carton
PH145	Raptor 12000	1200	1.40	15.0W	36 pieces/carton
PH146	Raptor 16000	1600	1.85	22.0W	36 pieces/carton
PH147	Raptor 24000	2400	2.20	25.0W	24 pieces/carton

# SPARTAN

DC VARIABLE FREQUENCY PUMP

CE RoHS



#### DC INVERTER-TECH CORE

Reduce power consumption without sacrificing performance



#### ADVANCED USERS CONTROLS

- Wave Maker Mode (Sine or Pulsing Wave)
- Previous Setting Memory Function
- Variable 10 Speed Control
- 10mins Feed Mode



#### COMPACT SIZE

Maximize your available space



Amphibious –  
Dry or Wet Mount



Freshwater  
and Marine





**Key Features :**

Aquazonic® Spartan DC Variable Frequency Pump is a compactly designed water pump engineered to pack a punch. Its proprietary DC Inverter-Tech Core delivers strong water-flow and yet uses only a fraction of the power consumption required by conventional pumps to provide energy saving.

**DC Inverter-Tech Core.** Reduce your utility bill without sacrificing performance. Spartan's unique DC motor design allows it to deliver the same water flow as conventional pumps while using lesser energy consumption.

**Compact Size.** The Spartan's compact body allows users to maximize their available space.

**Advanced User Controls.** Convenience at your fingertips.

- 1) **Previous Setting Memory Function.** In the event of power failure, Spartan is capable of remembering the last settings.
- 2) **Variable 10 Speed Control.** Users get to choose their preferred flowrate from level 1 (10%) to 10 (100%).
- 3) **10mins Feed Mode.** When feed mode is activated, SPARTAN DC will be turned off and restarted automatically after 10mins. Alternatively, press the 'power' button to cancel feed mode and resume normal operation.

**Adjustable Flow Rate.** Provides flexibility to users who desire different flow rates for different applications. E.g. higher flow rate during the day to promote good water movement, and a lower flow rate in the night for the fishes to rest.

**Intelligent Motor-Overheat Protection.** Prevents the pump from overheating due to pump running without water, stalling of impeller and surge of electrical current.

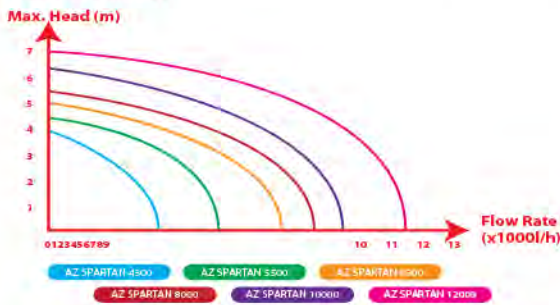
**Easy Maintenance.** Spartan can be easily assembled and disassembled for cleaning and maintenance.

**Applications :**

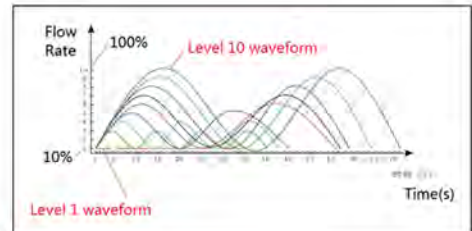
Freshwater or marine aquarium, ponds, filtration systems, water circulation, aeration or applications that require constant and strong water flow.

**\* Important: Install the appliance below or in-line with your aquarium/pond's water level.**

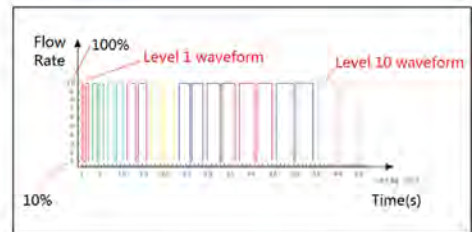
**Flow Rate Chart :**



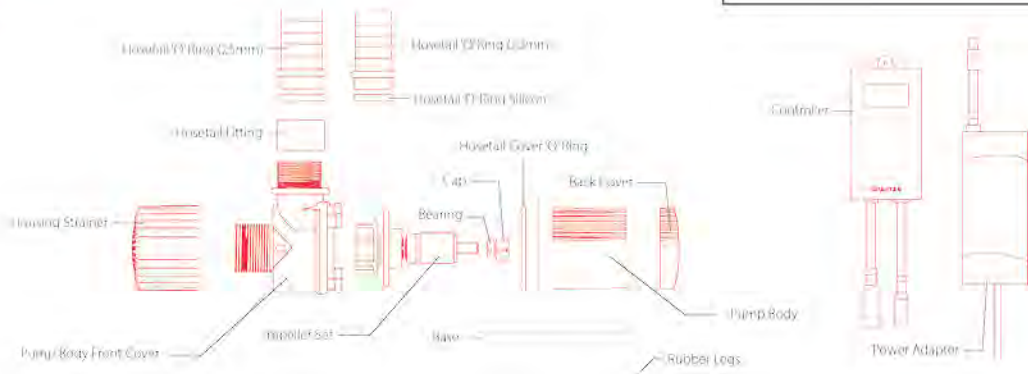
**Wave Maker Mode Diagram (Sine Wave) :**



**Wave Maker Mode Diagram (Pulsing Wave) :**



**Components :**



Code No.	Description	Flow Output (L/H )	Max Head	Power Consumption	Packing
WP093	Spartan DC Pump 4300	4300	4.0M	35W	6 pieces/carton
WP094	Spartan DC Pump 5500	5500	4.5M	55W	6 pieces/carton
WP095	Spartan DC Pump 6800	6800	5.0M	75W	6 pieces/carton
WP096	Spartan DC Pump 8000	8000	5.5M	85W	6 pieces/carton
WP097	Spartan DC Pump 10000	10000	6.5M	95W	6 pieces/carton
WP098	Spartan DC Pump 12000	12000	7.0M	115W	6 pieces/carton

# PRIMAL

SUBMERSIBLE WATER PUMP



Aquazonic PRIMAL is a multi-purpose submersible pump that is designed and made to pump water that contains particles up to 5mm. The Inverter Technology allows efficient use of energy with energy savings of up to 70% while retaining strong and consistent water flow!

With  
**Inverter Technology**  
Energy Saving of up to  
**70%**

**Features**

- Inverter Technology for energy savings of up to 70%
- Motor with Intelligent Overheat Protection that protects motor from damage
- Tough attrition-resistant impeller
- Multiple-sealing that increases durability
- Superior flow output and max height
- Able to pump water that contains particles up to 5mm
- Easy to use and install



Tough Attrition-Resistant Impeller



Motor with Overheat Protection



Max Height

**ELECTRICITY SAVINGS**



Brand X Energy Consumption (Watts)



Primal Energy Consumption (Watts)



Popular Brand X Pump



Large Flow Output & Height



### Primal 9000



**Outlet Included**



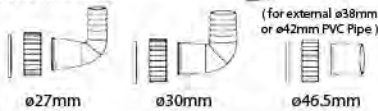
Country	Electrical Tariff \$ / kWh*	Electrical Cost / day (other pumps 280W)	Electrical Cost / day (AZ PRIMAL 80W)	Savings per Day (\$)
Singapore	SGD 0.2241	$(280/1000) \times 24 \times 0.2241 =$ SGD 1.50	$(80/1000) \times 24 \times 0.2241 =$ SGD 0.43	1.50 - 0.43= SGD 1.07
Malaysia	RM 0.218	$(280/1000) \times 24 \times 0.218 =$ RM 1.50	$(80/1000) \times 24 \times 0.218 =$ RM 0.42	1.50 - 0.42= RM 1.08
Thailand	Baht 1.8632	$(280/1000) \times 24 \times 1.8632 =$ Baht 12.83	$(80/1000) \times 24 \times 1.8632 =$ Baht 3.58	12.83 - 3.58= Baht 9.25
China	CNY 0.481	$(280/1000) \times 24 \times 0.481 =$ CNY 3.232	$(80/1000) \times 24 \times 0.481 =$ CNY 0.924	3.232 - 0.924= CNY 2.308

\*For illustrative purposes and subject to changes in electrical tariffs. Please check with the relevant authorities for the updated electrical tariffs.

### Primal 16000



**Outlet Included**



Country	Electrical Tariff \$ / kWh*	Electrical Cost / day (other pumps 700W)	Electrical Cost / day (AZ PRIMAL 140W)	Savings per Day (\$)
Singapore	SGD 0.2241	$(700/1000) \times 24 \times 0.2241 =$ SGD 3.76	$(140/1000) \times 24 \times 0.2241 =$ SGD 0.75	3.76 - 0.75= SGD 3.01
Malaysia	RM 0.218	$(700/1000) \times 24 \times 0.218 =$ RM 3.66	$(140/1000) \times 24 \times 0.218 =$ RM 0.73	3.66 - 0.73= RM 2.93
Thailand	Baht 1.8632	$(700/1000) \times 24 \times 1.8632 =$ Baht 31.30	$(140/1000) \times 24 \times 1.8632 =$ Baht 6.26	31.30 - 6.26= Baht 25.04
China	CNY 0.481	$(700/1000) \times 24 \times 0.481 =$ CNY 8.08	$(140/1000) \times 24 \times 0.481 =$ CNY 1.62	8.08 - 1.62= CNY 6.46

\*For illustrative purposes and subject to changes in electrical tariffs. Please check with the relevant authorities for the updated electrical tariffs.

### Primal 20000



**Outlet Included**



Country	Electrical Tariff \$ / kWh*	Electrical Cost / day (other pumps 750W)	Electrical Cost / day (AZ PRIMAL 170W)	Savings per Day (\$)
Singapore	SGD 0.2241	$(750/1000) \times 24 \times 0.2241 =$ SGD 4.03	$(170/1000) \times 24 \times 0.2241 =$ SGD 0.91	4.03 - 0.91= SGD 3.12
Malaysia	RM 0.218	$(750/1000) \times 24 \times 0.218 =$ RM 3.92	$(170/1000) \times 24 \times 0.218 =$ RM 0.89	3.92 - 0.89= RM 3.03
Thailand	Baht 1.8632	$(750/1000) \times 24 \times 1.8632 =$ Baht 33.54	$(170/1000) \times 24 \times 1.8632 =$ Baht 7.60	33.54 - 7.60= Baht 25.94
China	CNY 0.481	$(750/1000) \times 24 \times 0.481 =$ CNY 8.66	$(170/1000) \times 24 \times 0.481 =$ CNY 1.96	8.66 - 1.96= CNY 6.70

\*For illustrative purposes and subject to changes in electrical tariffs. Please check with the relevant authorities for the updated electrical tariffs.

Code No	Description	Max Output Output (L/H)	Power Consumption	Max Head (M)	Packing
WP083	Primal 9000	9000 L/H	80 W	5.3M	4 pieces/carton
WP099	Primal 16000	16000 L/H	140 W	5.5M	4 pieces/carton
WP100	Primal 20000	20000 L/H	170 W	6.0M	4 pieces/carton

# VORMAX WATER PUMP

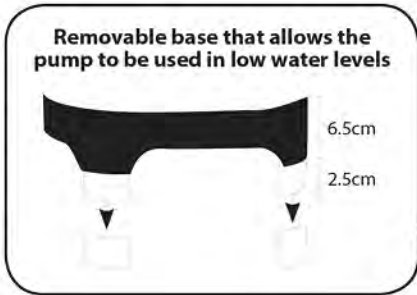
## STAINLESS STEEL WATER PUMP

- Heavy Duty Usage
- Large Water Volume
- Energy Saving

Features:

AZ Vormax is specially designed to pump large volumes of water with lower power consumption.

- The Intelligent Overhead Protection circuit prevents the pump from overheating due to pump running without water, stalling of impellor and surge of electrical current
- Large flow output & height
- Able to pump water that contains particles
- Strainer that removes particles >5mm for added durability
- Multiple-sealing for extra durability
- Tough stainless steel body
- Attrition-resistant impellor and shaft designed for easy replacement
- Removable base that allows the pump to be used in low water levels
- Super energy saving Inverter Technology



Country	Electrical Tariff \$/kWh*	Electrical Cost/day (other pumps 287W)	Electrical Cost/day (AZ Vormax 170W)	Savings per Day (\$)
Singapore	SGD\$ 0.2241	$(287/1000) \times 24 \times 0.2241 = \text{SGD } 1.54$	$(170/1000) \times 24 \times 0.2241 = \text{SGD } 0.91$	1.54 - 0.91 = SGD 0.63
Malaysia	RM\$ 0.218	$(287/1000) \times 24 \times 0.218 = \text{RM } 1.50$	$(170/1000) \times 24 \times 0.218 = \text{RM } 0.889$	1.50 - 0.889 = RM 0.61
Thailand	Baht \$1.8632	$(287/1000) \times 24 \times 1.8632 = \text{Baht } 12.83$	$(170/1000) \times 24 \times 1.8632 = \text{Baht } 7.601$	12.83 - 7.601 = Baht 5.22
China	CNY 0.6	$(287/1000) \times 24 \times 0.6 = \text{CNY } 4.132$	$(170/1000) \times 24 \times 0.6 = \text{CNY } 2.448$	4.132 - 2.448 = CNY 1.684

\* For illustrative purposes and subject to changes in electrical tariffs. Please check with the relevant authorities for the updated electrical tariffs.

### Low Energy Consumption (Watts)



### Large Flow Output and Height



Code No	Description	Max Output Output (L/H)	Power Consumption	Max Head (M)	Packing
WP071	Vormax 15K	15000 L/H	130 W	4.5M	2 pieces/carton
WP072	Vormax 20K	20000 L/H	170 W	6M	2 pieces/carton



# SUMO G2

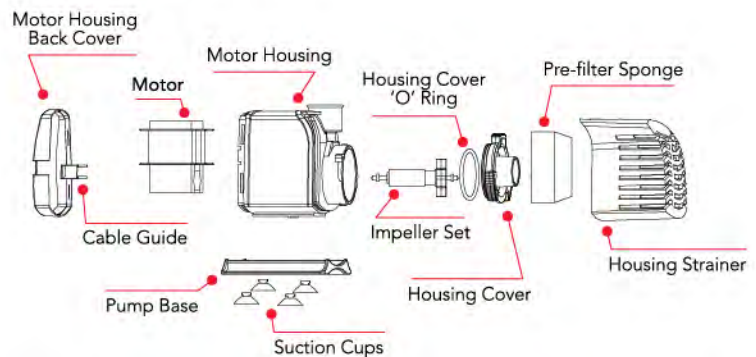
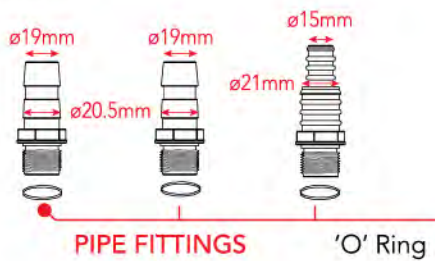
## Amphibious Pump

- Amphibious – can be dry or wet mounted
- Electronic components are encapsulated in Epoxy Resin
- Reliable and powerful
- Motor with overheat protection for more durability
- Wear-resistant Ceramic Shaft
- Silent during operation



- Amphibious – Dry or Wet Mount
- Wear-resistant Ceramic Shaft
- Silent, Powerful and Durable
- Freshwater and Marine

### Exploded view



Code No	Description	Max Output (L/H)	Power Consumption	Max Head (M)	Packing
PH103	Sumo G2 - 1	1200 L/H	12 W	1.5M	24 pieces/carton
PH104	Sumo G2 - 2	1800 L/H	18 W	2.2M	12 pieces/carton
PH105	Sumo G2 - 3	3000 L/H	30 W	2.6M	12 pieces/carton
PH106	Sumo G2 - 4	5000 L/H	100W	4.5M	8 pieces/carton
PH107	Sumo G2 - 5	7500 L/H	110W	5.0M	8 pieces/carton

# AMPHI

## Amphibious Pump Wet or Dry Mount

AMPHI is designed and built to provide reliable pumping performance. The Inverter Technology reduces energy consumption making it suitable for all day use, giving energy savings of up to 70% while retaining strong and consistent water flow.

- **Inverter Technology.** Energy savings of up to 70% while maintaining strong flowrate.
- **Intelligent Motor-Overheat Protection.** Prevents the pump from overheating due to pump running without water, stalling of impeller and surge of electrical current.
- **Tough Attrition-Resistant Impeller.** Wear-resistant and provides better performance.
- **Replaceable Impeller.** Allows for easy replacement to maintain high performance level.

With

**Inverter Technology**  
Energy Saving of up to  
**70%**



Though Attrition-Resistant Impeller



Motor with Overheat Protection



Max Head 3m-5m



Freshwater and Marine Aquariums



Code No	Description	Max Output Output (L/H)	Power Consumption	Max Head (M)	Packing
WP066	Amphi 3500	3500 L/H	25 W	3.0M	4 pieces/carton
WP067	Amphi 5000	5000 L/H	45 W	3.5M	4 pieces/carton
WP068	Amphi 6500	6500 L/H	50 W	4.0M	4 pieces/carton
WP069	Amphi 8000	8000 L/H	75 W	4.5M	4 pieces/carton
WP070	Amphi 10000	10000 L/H	85 W	5.0M	4 pieces/carton



# AMPHI PLUS

## Variable Speed Amphibious Pump

AMPHI PLUS is a variable speed pump designed and built for reliable pumping performance. The Inverter Technology allows efficient use of energy with energy savings of up to 70% while retaining strong and consistent water flow.

- **Adjustable Flowrate.** Programmable to run at different flow-rates for wider applications, e.g. flowrate can be reduced at night to allow fish to rest, etc.
- **Advanced User Controls.** 10 speed Flowrate | 10mins Feed Mode | Previous Setting Memory | 10 Step Wave Maker Mode.
- **Inverter Technology.** Energy savings of up to 70% while maintaining strong flowrate.
- **Intelligent Motor-Overheat Protection.** Prevents the pump from overheating due to pump running without water, stalling of impeller.
- **Tough Attrition-Resistant Impeller.** Wear-resistant and provides better performance.
- **Multiple Sealing of Electronics.** Electronics are encased in epoxy-resin for added protection.

With

**Inverter Technology**  
Energy Saving of up to  
**70%**

**Advance User Controls**  
Adjustable Flowrate & Feed Mode



Though Attrition-Resistant Impeller



Motor with Overheat Protection



Max Head 5.5m-7m



Freshwater and Marine Aquariums with Wave Maker Mode



Variable Flowrate



Code No	Description	Max Output Output (L/H)	Power Consumption	Max Head (M)	Packing
WP084	Amphi Plus 13000	13000 L/H	115 W	5.5M	3 pieces/carton
WP085	Amphi Plus 15000	15000 L/H	135 W	6.0M	3 pieces/carton
WP086	Amphi Plus 18000	18000 L/H	150 W	6.5M	3 pieces/carton
WP087	Amphi Plus 20000	20000 L/H	170 W	7.0M	3 pieces/carton



# EVO SUBMERSIBLE PUMP

- Reliable, powerful & silent in operation
- Easy to maintain
- Internal usage
- Ideal for pond, salt / fresh water tank use
- Easily available of spare parts



Code No	Description	Max. Flow Rate	H/Max. (M)	Power Consumption	Packing
PH125	E-Baby	300 L/H	0.65m	4 W	72 pieces/carton
PH112	E-02	520 L/H	1m	8 W	48 pieces/carton
PH113	E-03	1300 L/H	1.2m	25 W	36 pieces/carton
PH114	E-04	2000 L/H	2m	38 W	24 pieces/carton
PH115	E-05	3000 L/H	3m	60 W	24 pieces/carton
PH116	E-06	4000 L/H	4m	85 W	12 pieces/carton
PH117	E-07	5000 L/H	5m	115 W	6 pieces/carton
PH118	E-08	6000 L/H	5.5m	135 W	6 pieces/carton



# ULTRAIR

## 1000

HIGH OUTPUT AIR PUMP

 RoHS


Dual Output



Strong Aeration



Low Noise Level



Robust &amp; Durable

### Introduction

OF® Ultrair is a high output air pump designed to provide an optimum aeration required for your aquariums, reducing the risks of oxygen depletion. Despite its high output, the OF® Ultrair is much quieter than products of similar capacity due to the twin wall structure. OF® Ultrair is also equipped with an Air Flow Dial for you to manage the air flow required for your aquarium.

### Applications

Aquariums, breeding tanks, multiple tank setups, or applications that require reliable and powerful aeration.

### Accessories



Air Tube ( 5m )



Air Valves ( 2pcs )



Air Stones ( 2pcs )



**AP099 ( Standard )**  
Indoor Use ( With Air Flow Dial )

**AP100 ( Splash Resistant )**  
Sheltered Area Use ( Without Air Flow Dial )



Code No.	Description	Flow Rate (L/H)	Power Consumption (W)	Voltage (AC)	Packing
AP099	Standard	500 per outlet	10	220V	6 pieces/carton
AP100	Splash Resistant	500 per outlet	10	220V	6 pieces/carton

# VULTRON AIR PUMP

## High Efficiency Air Pump

The Vultron series high efficiency air pump provides optimum aeration to your aquarium and pond, effectively increasing dissolved oxygen level, keeping your fish healthy and lively.

- Compact design with single or twin outlets
- Rubber base helps to reduce vibration
- High propulsion for water up to 0.7m deep
- High energy efficiency
- Twin-walled body design for reduce vibration
- Increases Dissolved Oxygen ( DO ) level in your aquarium
- Adjustable electronic dial to control air output
- Airlines, Air Stones and Air Valve included



Code No	Description	Specification Max Output per Outlet	Power Consumption	Packing
AP092	Vultron Air Pump 1500	Single Outlet-110 L/H	2 W	48 pieces/carton
AP093	Vultron Air Pump 2000	Single Outlet-160 L/H	3 W	48 pieces/carton
AP094	Vultron Air Pump 4000	Double Outlet-170 L/H	3.3 W	24 pieces/carton
AP095	Vultron Air Pump 5000	Double Outlet-190 L/H	3.7 W	24 pieces/carton
AP096	Vultron Air Pump 7000	Double Outlet-230 L/H	5.3 W	24 pieces/carton
AS088	Vultron Air Diffuser	-	-	288 pieces/carton

# SUPER Y / YY AIR PUMP

- Single Outlet H/L
- Double Outlet H/L
- High Quality
- Silent & Durable



Code No	Description	Specification	Power Consumption	Packing
AP085	Super Y Air Pump	Single Outlet - 250L/H	2.5 W	50 pieces/carton
AP086	Super YY Air Pump	Double Outlet - 500L/H	5 W	50 pieces/carton



## AIR AID

### AC/DC Air Pump

15 hours supply of air during power failures! It's the perfect aquarium backup.

- Automatically switches to battery (DC) mode
- Low noise, low vibration.
- AC / DC powered. Functions as a normal air pump but automatically switches to DC mode during a power failure.
- 15 hours of backup aeration.
- Energy saving Pulsing Mode that further increases battery life.
- Low noise, low vibration.
- Increases oxygen levels in your aquarium.



Code No	Description	Max Output (min)/ Outlet	Power Consumption	Pressure	Packing
AP097	Air Aid 120	2L / Minute	2 W	>0.014Mpa	40 pieces/carton
AP098	Air Aid 240	2L / Minute	4 W	>0.014Mpa	40 pieces/carton

## RANGER 90000 AQUARIUM AUTO-RECHARGE AIR PUMP

- Durable & Reliable
- Hi & Lo Flow Control
- Essential mechanism are made in Japan
- Powerful & Silent
- Battery will last longer

- Able to operate at an interval of one minute when turn to "Lo" position during prolong power failure up to 15 hours & above.
- Super powerful and silent.
- Adopts ISO 9000 approved device with super quality water-free charging battery. It has designed with preventive overloading and discharging electronic wiring device to prolong the service life of the battery.



Auto recharge H / L Flow Control

Code No	Max. Flow Rate	Power Consumption	Packing
AP073	240 L/H	12 W	6 pieces/carton

## ZERO NOISE AIR PUMP

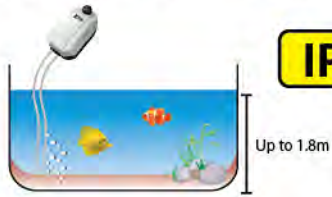
- Super Silent & Stable
- Super Value for Money
- Super Power & Reliable



Code No	Description	Power Consumption	Packing
AP083	Zero Noise Z-1000	Single Outlet-1.8 W	48 pieces/carton
AP084	Zero Noise Z-2000	Double Outlet-2.5 W	36 pieces/carton

## SUPER PRECISION XTREME AIR PUMP

- For Depths up to 1.80M!
- Super Silent & Stable
- Super Value for Money
- Super Power & Reliable
- Ideal For Big Aquariums And Marine Skimmers!



Code No	Specification	Power Consumption	Packing
AP089	Double Outlet-2x360 L/H	10 W	24 pieces/carton

## SUPER PRECISION 18000 AIR PUMP

- Complete range of air pumps for aquarium use
- Made with high quality raw materials and in different pumping capabilities like knob control and four outlet fine tuning
- Superb air flow power, reliable, durable safe and silent
- Real value for money



Code No	Specification	Power Consumption	Packing
AP18000	Four Outlet Fine Tuning-720 L/H	7 W	12 pieces/carton

## SUPER PRECISION AIR PUMP

- Complete range of air pumps for aquarium use
- Made with high quality raw materials and in different pumping capabilities like Fine Tuning control and Single / Double outlet
- Superb air flow power, reliable, durable safe and silent
- Real value for money



Code No	Description	Specification	Power Consumption	Packing
AP1000	Precision 1000 Air Pump	Single Outlet-80 L/H	2.6 W	60 pieces/carton
AP3000	Precision 3000 Air Pump	Single Outlet Fine Tuning-80 L/H	2.6 W	60 pieces/carton
AP7000	Precision 7000 Air Pump	Double Outlet-200 L/H	3.3 W	36 pieces/carton
AP9000	Precision 9000 Air Pump	Double Outlet Fine Tuning-200 L/H	3.3 W	36 pieces/carton



**SUPER PRECISION 1000 AIR PUMP-AIR STONE KIT / BUBBLE HOSE KIT**

- Super Silent & Stable
- Super Value for Money
- Super Power & Reliable



Airpump



2m Airline



Air Stone

Code No	Description	Specification	Power Consumption	Packing
AP1000ASK	Precision 1000 Air Stone Kit	Single Outlet-80 L/H	2.6 W	36 pieces/carton

**SUPER PRECISION AC / DC 99000 AIR PUMP**

The Ultimate Backup Aquarium Air Pump

- Super Silent & Stable
- Super Power & Reliable
- Superior Battery Life
- Airflow Control-Valve

**Features :**

- Automatically switches from AC to DC ( Battery ) mode during a power failure
- Airflow Control-valve enables users to choose their preferred airflow
- Battery On / Off Switch prolongs battery-life when device is not in use
- Battery offers up to 10 hours of backup
- ISO 9001 Certified Battery with superior battery features preventive overloading and discharging electronic wiring device to prolong the server life of the battery



Code No	Description	Specification	Power Consumption	Packing
AP090	Super Precision AC / DC 99000 Air Pump	Double Outlet-300 L/H	10 W	8 pieces/carton

**SUPER PRECISION DC BATTERY AIR PUMP**

- Super Silent & Stable
- Super Power & Reliable
- Air-tube and Air Stone Included
- Ideal for Transporting Livestock
- Battery Operated Portable Air Pump

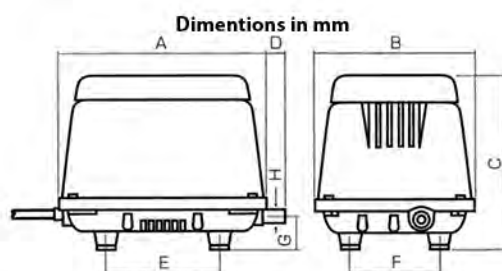


Code No	Description	Specification	Packing
BP013	Super Precision Dc Battery Air Pump	Battery Operated Portable Air Pump	60 pieces/carton

## HI-BLOW

**Applications:**

- Fish breeding equipment ( oxygen supply )
- Low frequency therapeutic equipment and other medical & scientific apparatus
- Septic tank ( biological contact aeration )
- Bubble bath ( air bubble injection )

**Specifications:**

TYPE	HP20	HP40	HP60	HP80	HP100	HP120	HP150	HP200
Rated Voltage (V)	AC100 / 120 / 220 - 240							
Power Supply Frequency (Hz)	50   60	50   60	50   60	50   60	50   60	50   60	50   60	50   60
Normal Pressure (kPa)	9.8	12.8	14.7	14.7	17.7	17.7	20	20
Exhaust Volume (1min)	18   20	40	60	80	100	120	150	200
Power Consumption (W)	17	38	51	71	95   100	115   125	125   155	210   250
Noise Level (dBA - 1m)	31	32	35	36	38	40	45   47	46   48
Weight (kg)	3.2	5.7	7.0	7.0	8.5	8.5	9.0	9.0

TYPE	A	B	C	D	E	F	G	H
HP20	182	138	170	21	92	78	37	ø18
HP40	208	171	190	20	120	90	37	ø18
HP60 / HP80	235	180	196	21	130	100	37	ø18
HP100 / HP120	256	200	222	20	140	110	37	ø18
HP150 / HP200	256	200	222	20	140	110	37	ø18



# HI-BLOW BABY

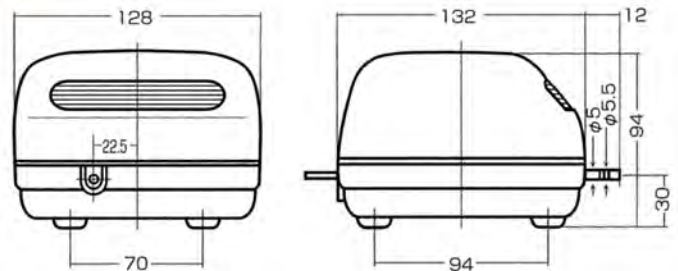
HB076 ( 12 pieces/carton )

**Applications:**

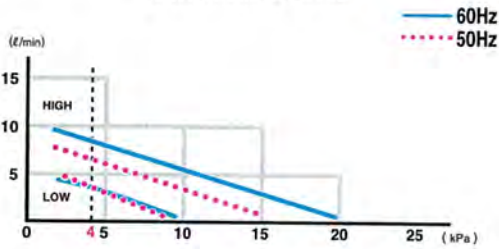
- Fish breeding equipment ( oxygen supply )
- Air mat ( continuous air exhaust )
- Air bearing
- Burner ( air supply )
- Scientific & chemical instruments ( analysis and agitation )



Dimensions in mm



Performance Curves



Specifications:

TYPE		C-5F			
		* "HIGH" SW		* "LOW" SW	
Rated Voltage	V	AC100 / 120 / 220~240			
Power Supply Frequency	Hz	50	60	50	60
Normal Pressure	kPa	4.0			
Exhaust Volume	l/min	6.5	8.0	3.5	3.5
Power Consumption	W	8.5		5.5	4.5
Noise Level	dB(A)(1m)	28	30	27	29
Weight	kg	1.0			

# FIGHTER 2 PORTABLE BATTERY PUMP

Prevent humidity and water from getting into the pump, especially due to salt water. This special design will very much prolong the life of motor. It can be used under the rain or sunshine. But the pump cannot be used inside the water.

**ADVANTAGES:**

- More durable
- More reliable
- Battery will last longer
- Essential mechanism are made in Japan
- More powerful
- More silent
- Latest technology & design



**Code No**  
BP009

**Description**  
Fighter 2

**Specification**  
Portable BP

**Packing**  
60 pieces/carton