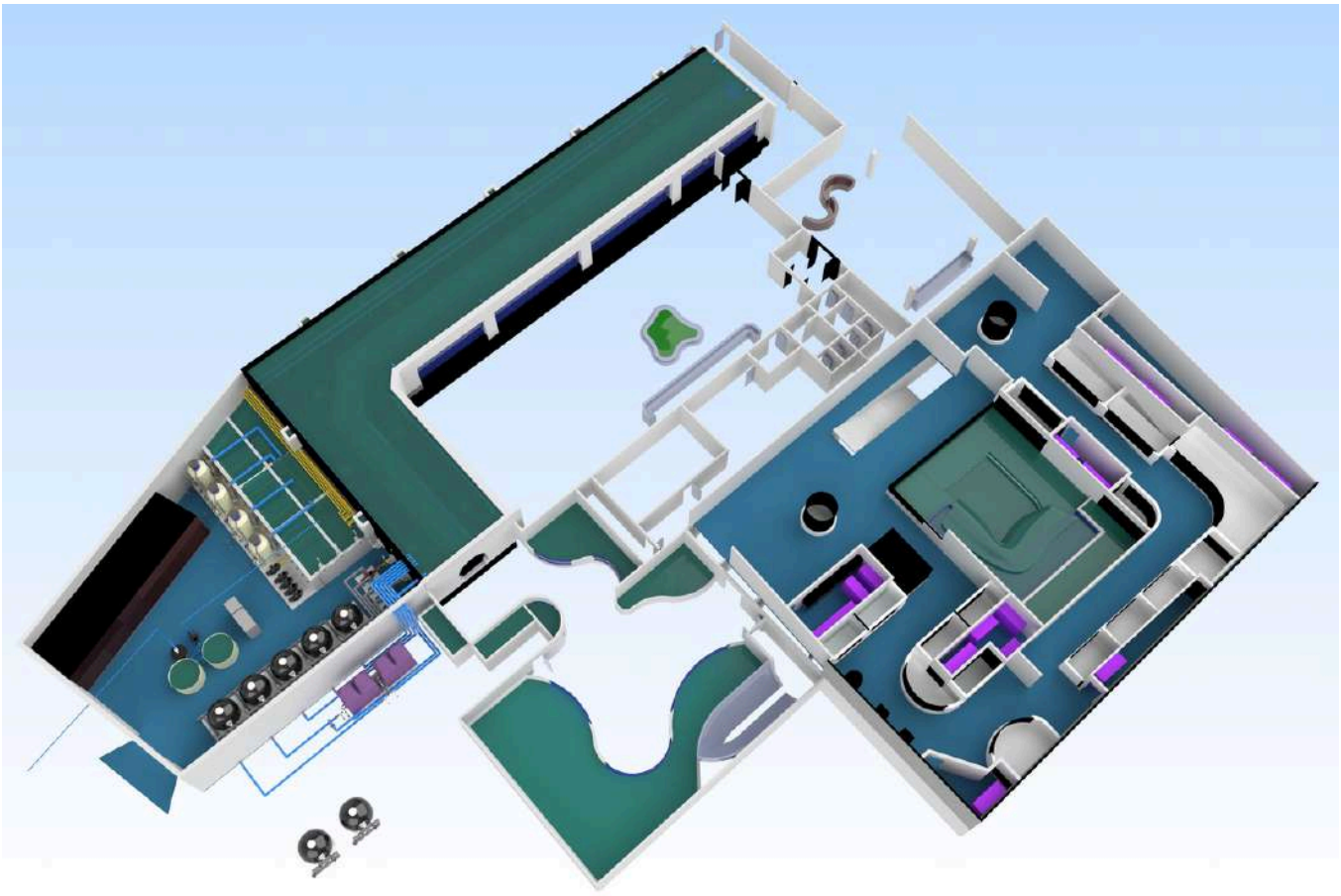


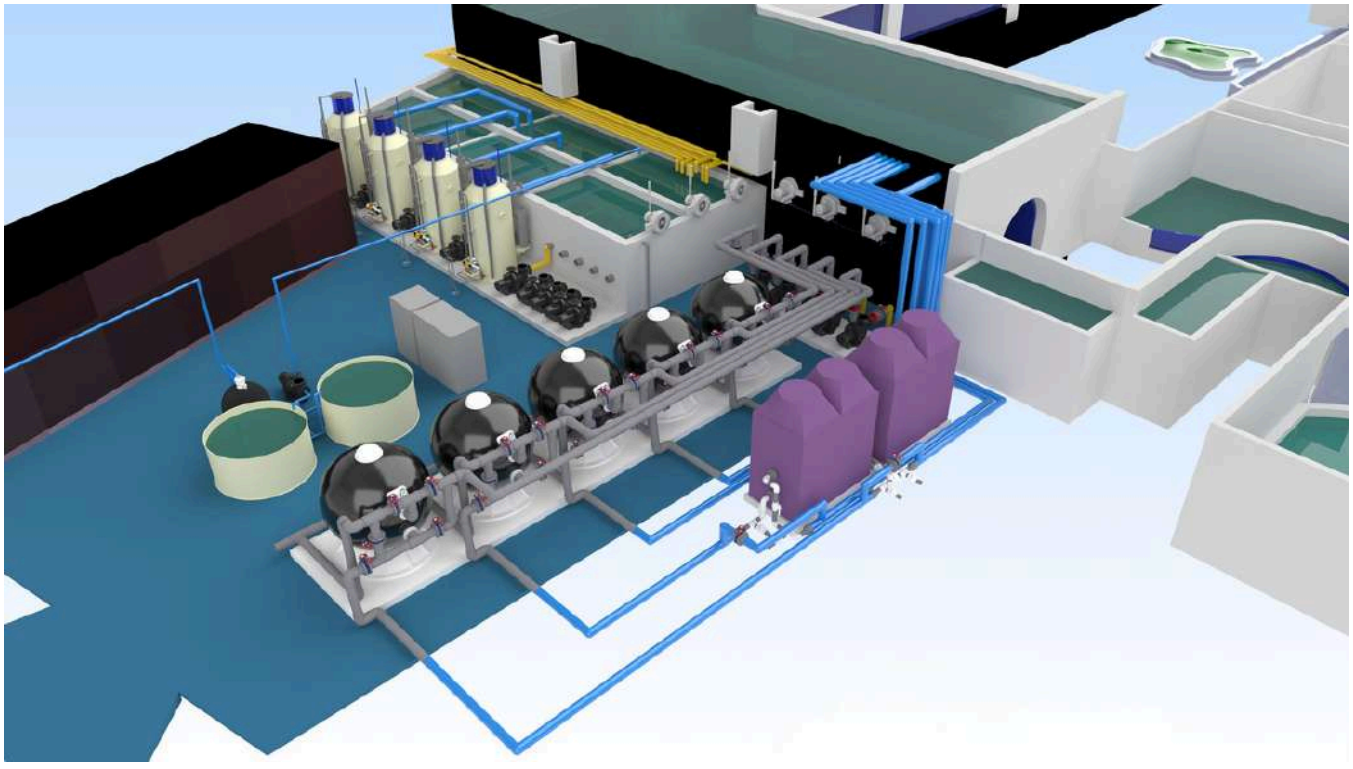
PUREFLOW BIO

Aquatic Products & Technologies

Combi Filters | Protein Skimmers | Compact Filter Units
Drum Filters | Filtration Equipment's | SKID Systems







Crafting aquatic ecosystems with care.

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54 Nano Bubble Generator

55 Nano Bubble Generator

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Protected
Underwater
Resource
Engineering
Freshwater &
Liquid
Optimization
Worldwide

About **Pureflow Bio**

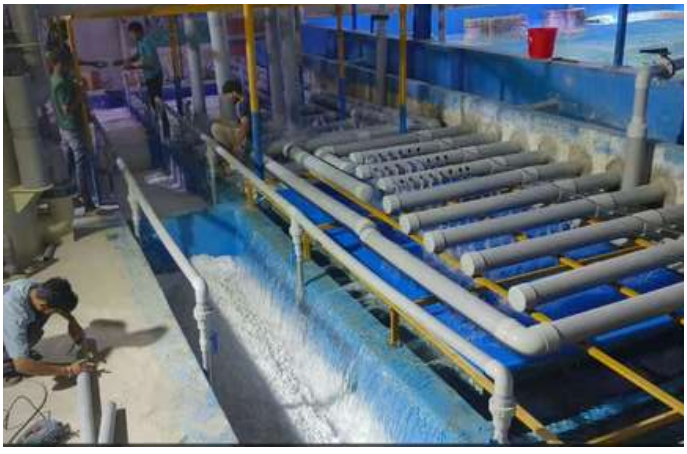
Pureflow bio is one of the India's leading companies in the construction of public aquariums worldwide, and has implemented many large-scale turnkey projects to date.

Using its expertise in filtration systems and thermoplastic production capability, Pureflow bio has become a major supplier in recent years by producing advanced filtration system, closed circuit filtration systems, aquariums, holding tanks and RAS (Recirculating Aquaculture Systems) equipment for India's largest companies operating in aquaculture industry.

Pureflow bio employs experienced design, construction and husbandry staff that take projects from concept to completion. Many of our staff are industry professionals and leaders who are working as designers, aquaculture engineers, marine biologists, architects, interior designers, zoologists, aquarists, mechanical engineers, electrical engineers, artists and sculptors.











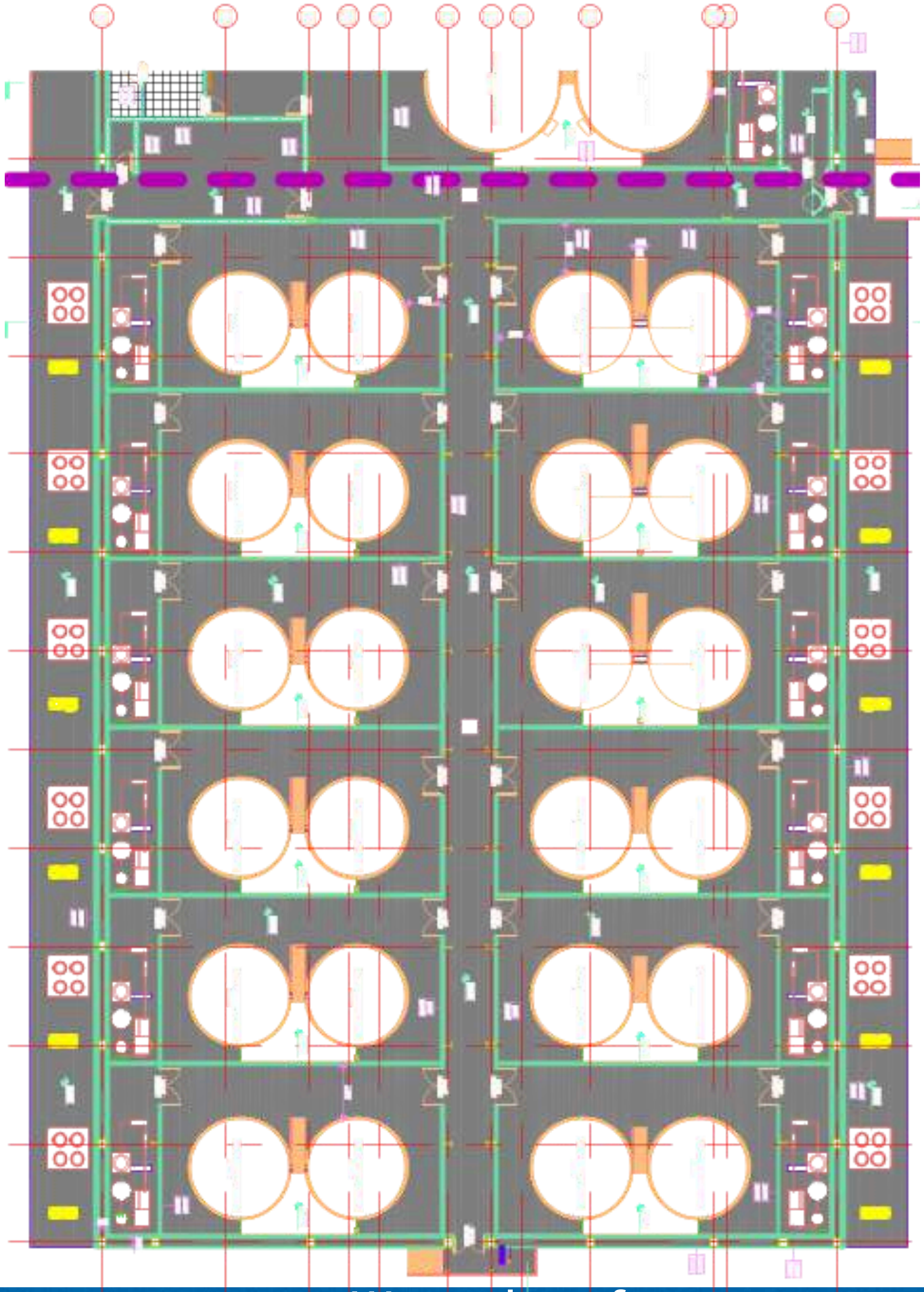
Aquatic Products & Technologies

Pureflow provides comprehensive services for the aquaculture industry by offering expertise in **production planning**, **construction** and **project management** to ensure optimal outcomes for your aquaculture projects.

We specialise in fingerling and market-size fish production while providing a comprehensive Recirculating Aquaculture System (RAS)solutionforfishproduction.From

the initial project inception we collaborate closely with our customers to understand your specific requirements by determining the optimal target fish species based on your geographical location and environmental conditions.

our expert team creates a precisely to suit your needs.



We are here for
all your aquatic projects.

what we offer

PUREFLOW
BIOFLOC INNOVATIONS

Aquatic Products & Technologies


Designing


Engineering


Manufacturing


Construction

Production Planning

Fingerling & Grow out

At Pureflow bio, we specialize in strategic production planning services for both fingerling and grow out stages in the aquaculture sector. Our expertise ensures optimized production schedules and resource allocation, leading to increased efficiency and profitability for our customers.

Facility Design

Hatchery & RAS

With a focus on innovation and sustainability our expert team designs state-of-the-art facilities for hatcheries and recirculating aquaculture systems (RAS). From the initial broodstock units to final stage of grow-out areas we create healthy environments that promote fish growth and easy transitions between different stages of fish development.

RAS Design & Engineering

Complete Recirculation Filtration Systems

Our comprehensive recirculation filtration systems are carefully designed and engineered to maintain optimal water quality and ensure efficient waste management. We include sustainability in our design and provide cutting-edge solutions for RAS implementation.

Supply

Husbandry Tanks & RAS & Husbandry Equipment & Automation and Control Panels

As a one-stop solution provider we offer a wide range of aquaculture supplies including husbandry tanks, RAS components, aquaculture equipment and automation control panels. Our premium products ensure high performance and reliability.

Installation & Commissioning

RAS & Automation and Control Panels

Our experienced team handles the seamless installation and commissioning of RAS systems which include all the electrical system automation and control panels. Our systems ensure that your facility is set up efficiently and on time and budget.

Construction & Project Management

Hatchery & Nursery/Weaning & RAS grow out facility

From initial concept to completion we take charge of the entire construction and project management process. Whether it's a hatchery, nursery/weaning facility or RAS grow-out unit our turnkey solutions and ready for delivery approach ensures a timely and successful handover to our clients.

PUREFLOW
BIOFLOC INNOVATIONS

Aquatic Products & Technologies

Tank Units



Aquaculture Tanks

1. Broodstock Tanks
2. Egg Collectors
3. Incubation Tanks
4. Nursery Tanks
5. Holding Tanks
6. Rearing Tanks
7. Larvae Tanks
8. Decantation Tanks
9. Raceway Tanks
10. Live Fish Transport Tanks
11. Live Feed Tanks (Artemia & Rotifer)
12. Fingerling Transport Tanks



Skid Filter Systems

1. RS Series



Filtration Items



Drum Filters

1. Fresh water
2. Marine water



Protein Skimmers

1. Fresh water
2. Marine water



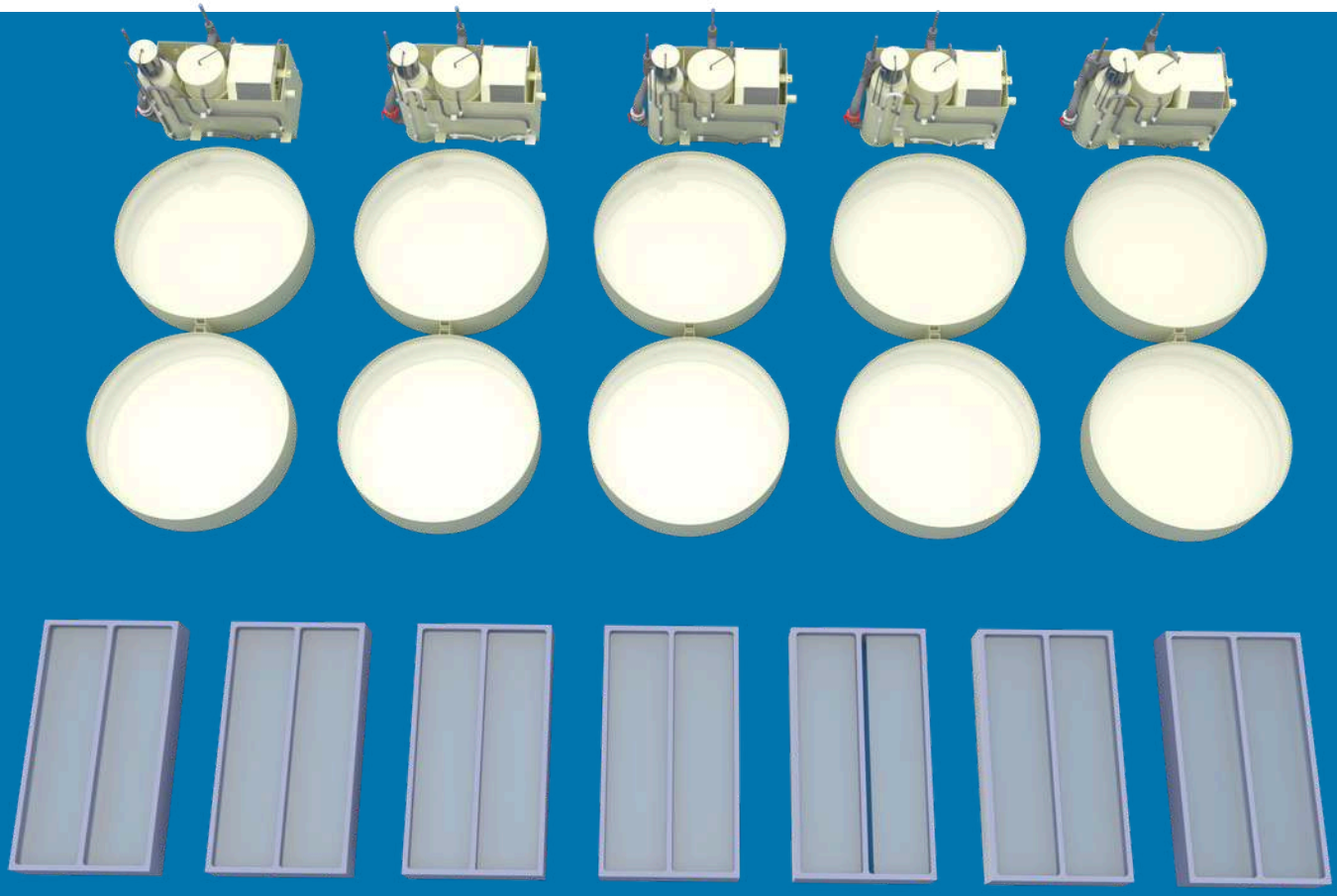
Filtration Equipments

1. Mechanical Filter
2. Degassers
3. Biofilters
4. Trickling
5. MBBR
6. UV Sterilizers



RAS SKID FILTRATION UNIT

PUREFLOW BIOFLOC SKID units cover a wide range of the Recirculated Aquaculture Systems applications. RAS Skid Unit forms a user-friendly plug and play system for Biological filtration, Protein skimming and ozone – UV disinfection.



RAS SKID FILTRATION UNIT

Recirculating Aquaculture Skid Filtration Systems by Pureflow Biofloc Innovations offer compact, modular, and high-efficiency water treatment for RAS operations. Designed for optimal performance, these plug-and-play systems integrate mechanical, biological, and chemical filtration within a space-saving footprint. Our skids typically include drum filters, MBBR biofilters, UV sterilizers, ozone systems, and pumps, all pre-assembled on a durable base frame. Ideal for hatcheries, fish farms, and commercial aquaculture, each system supports consistent water quality, minimal maintenance, and energy-efficient operation. Built with corrosion-resistant materials and precision-engineered components, our RAS filtration skids ensure long-term reliability and easy scalability across multiple applications.



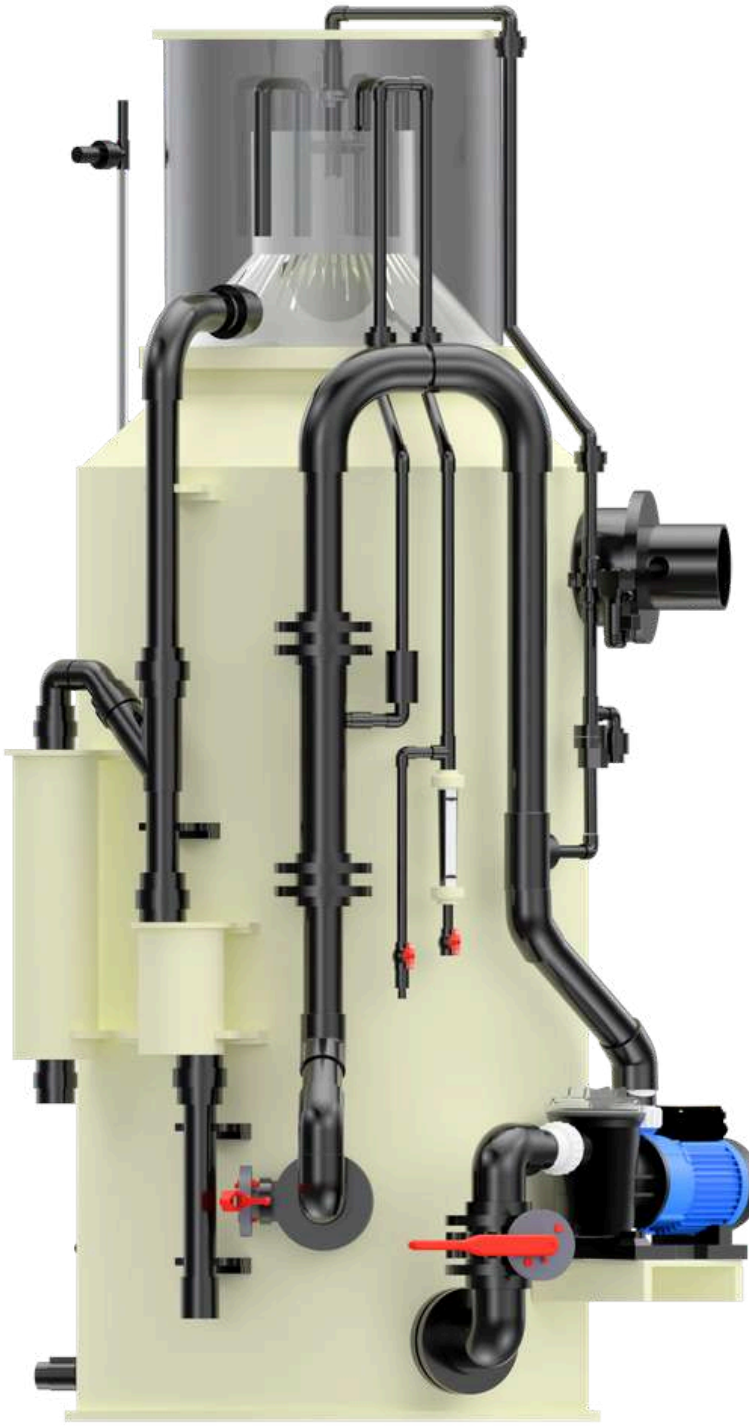


The models shown above are only for reference, customization can be done as per the requirement.

PROTEIN SKIMMERS

The PUREFLOW Protein Skimmers are an effective and reliable item of equipment that significantly enhances the water quality in your aquatic systems. They can efficiently remove harmful organic proteins and waste from both the surface and lower layers of the water to ensure water clarity and cleanliness.





PROTEIN SKIMMERS

User Benefits

- Durability, long lasting Minimal
- maintenance Minimum energy
- consumption Expandable and
- customizable Available with
- SCADA integration For saltwater
- applications

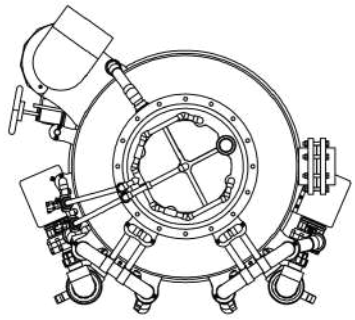
PROTEIN SKIMMER FRESH WATER



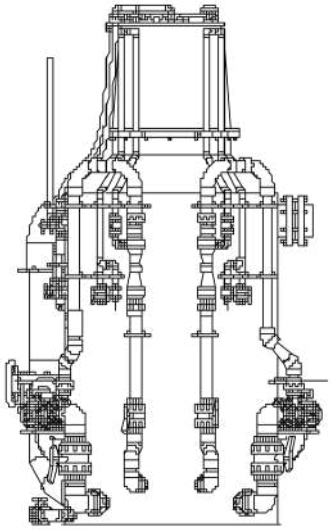
The **PUREFLOW Protein Skimmers** are used to separate microscopic organic com- pounds, protein particulate, amino acids, harmful bacteria and other detritus from **saltwater systems**. We provide **customizable options** to suit various requirements and needs. With our advanced technology it ensures energy efficiency and delivers **long-lasting performance** with **low operating costs**.

PROTEIN SKIMMER FRESH WATER

Pureflow design high-performance freshwater protein skimmers to deliver exceptional water quality for koi ponds, public aquariums, hatcheries, and large-scale aquaculture systems. Unlike conventional filters, our skimmers remove dissolved organic waste before it breaks down into harmful ammonia and nitrites.



Top View



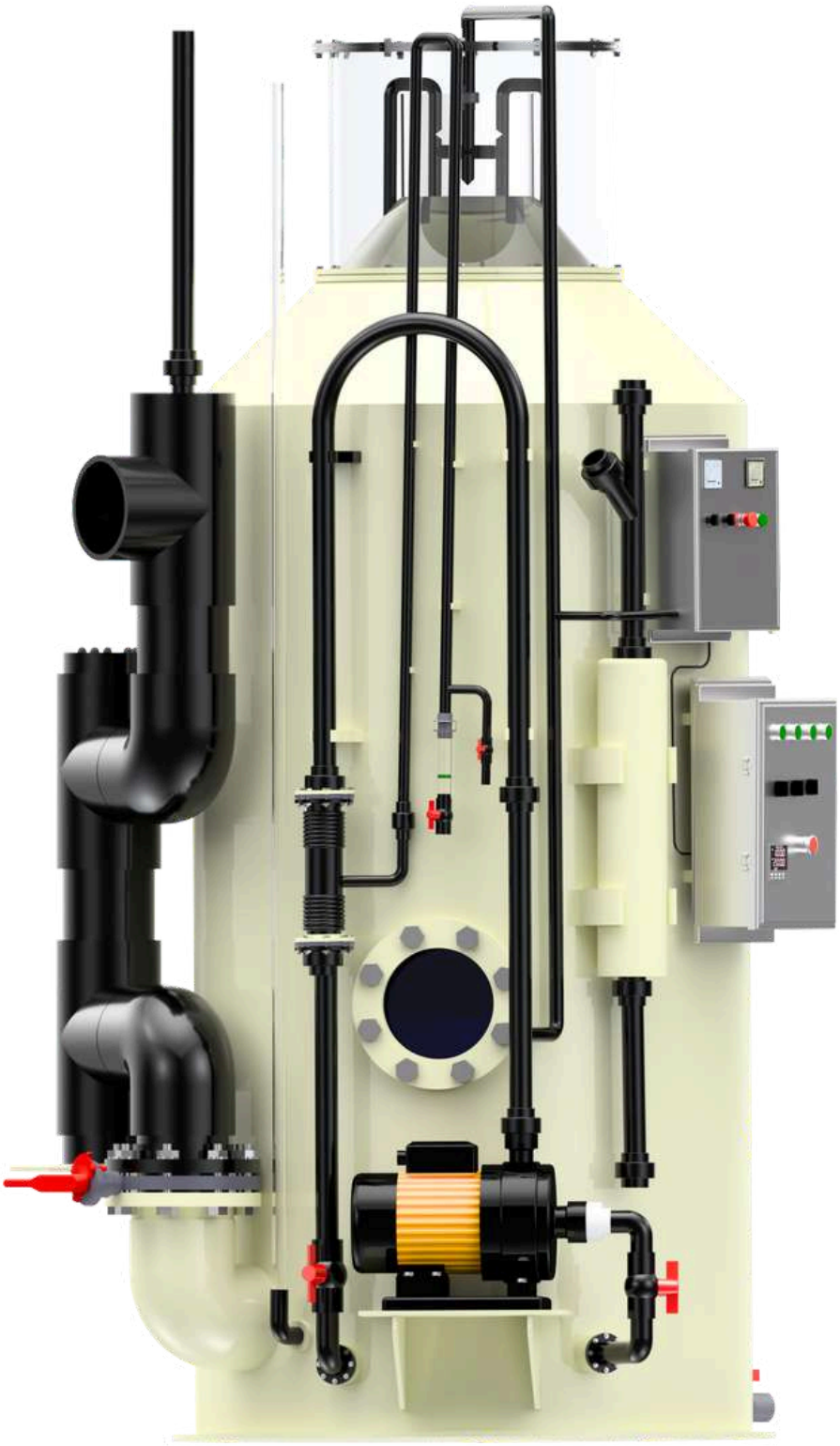
Side View

The protein skimmer produces fine and thick constant air bubbles in order to generate sufficient skimming. The skimmer is installed in pre-smolt stage freshwater tanks. This is the stage that farms need better water parameters to achieve optimal salmon growth. The concern is that these pre-smolt tanks run on fresh water and traditional protein skimmers could not achieve significant foam fractionation.

MODEL	PSF-5	PSF-10	PSF-15	PSF-20	PSF-30	PSF-50	PSF-80	PSF-100	PSF-150
Body Size(mm)	450*1500	500*2100	550*2100	680*2200	750*2500	900*2800	1100*3000	1200*3200	1500*3300
Water Flow Rate(m^3/h)	5	10	15	20	30	50	80	100	150
Water Inlet(mm)	32	32	50	50	63	75	75	110	110
Water Outlet(mm)	50	75	90	110	110	160	160	160	200
Power(kW)	0.2	0.3	0.37	0.6	0.75	1.1	1.5	1.85	2.2
Working Voltage(V)	110/220V	110/220V	110/220V	110/220V	110/220V	110/220V	110/220V	110/220V	110/220V

The models shown above are only for reference, customization can be done as per the requirement.

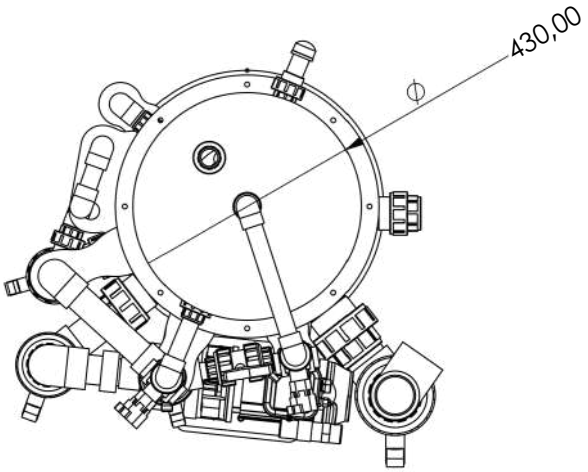
PROTEIN SKIMMER MARINE WATER



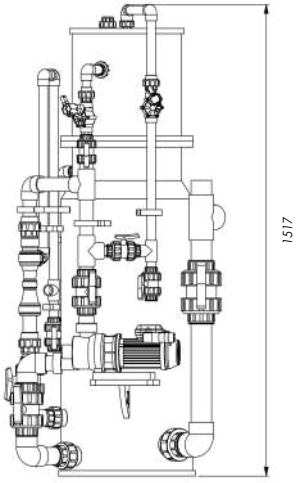
The PUREFLOW Protein Skimmers are used to separate microscopic organic compounds, protein particulate, amino acids, harmful bacteria and other detritus from saltwater systems. We provide customizable options to suit various requirements and needs. With our advanced technology it ensures energy efficiency and delivers long-lasting performance with low operating costs.

PROTEIN SKIMMER MARINE WATER

Pureflow Saltwater Protein Skimmers are specially engineered to deliver superior foam fractionation in marine aquaculture systems, public aquariums, and oceanariums. These skimmers are designed to efficiently remove dissolved organic compounds, fine particulates, and unwanted proteins from saltwater environments, helping maintain crystal-clear water and optimal living conditions for aquatic species.



Top View



Side View

Easy to maintain and integrate into existing life support systems (LSS), these skimmers are ideal for intensive fish farming, hatcheries, and display tanks. Pureflow saltwater protein skimmers support sustainable marine aquaculture by improving system biosecurity and reducing the need for frequent water exchange.

MODEL	PSM-5	PSM-10	PSM-15	PSM-20	PSM-30	PSM-50	PSM-80	PSM-100	PSM-150
Body Size(mm)	400*1400	400*1950	500*1850	600*2000	650*2300	700*2550	950*2700	1050*2950	1160*3150
Water Flow Rate(m^3/h)	5	10	15	20	30	50	80	100	150
Water Inlet(mm)	50	50	63	63	75	75	110	160	160
Water Outlet(mm)	63	75	75	110	110	110	160	200	200
Injection Pump(kW)	0.37*1	0.37*1	0.55*1	0.55*1	0.9*1	1.1*1	1.1*1	1.1*2	1.1*2
Inlet Height(mm)	1000	1500	1500	1600	1900	2000	2100	1800	2000
Outlet Height(mm)	1000	1200	1600	1700	2000	2100	2200	2000	2100

The models shown above are only for reference, customization can be done as per the requirement.

DRUM FILTERS

The PUREFLOW Drum Filters offer a range of advantages that make them the ideal choice for your filtration needs with their innovative design and advanced features, these filters provide exceptional performance and efficiency.



DRUM FILTERS



DRUM FILTERS

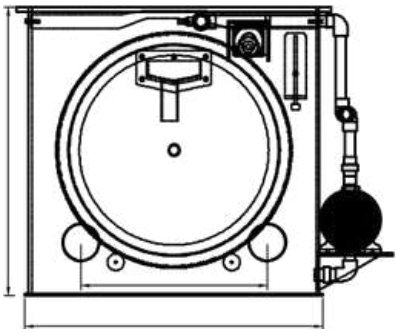
User Benefits

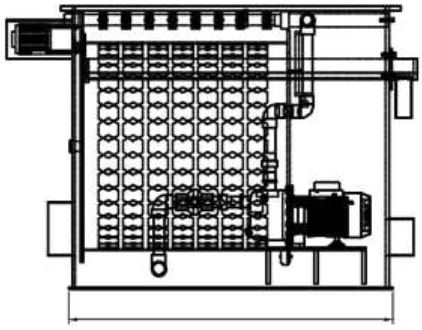
- Durability, long lasting
- Minimal maintenance
- Minimum energy consumption
- Expandable and customizable
- Available with SCADA integration
- For both fresh and saltwater applications
- Compatible with ozone injection

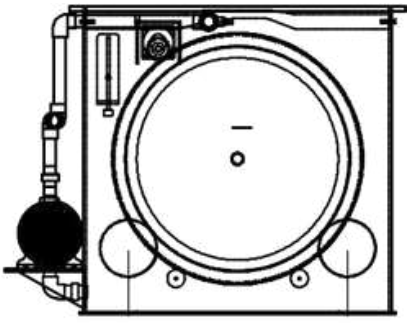
RDF Series



PUREFLOW Drum Filters are the ultimate solution for your filtration requirements. They are engineered using cutting-edge technology and can be used as stand alone filtration units making them the perfect choice for your aquatic systems.







ROTARY DRUM FILTER



Product Features



SS 316 Grade 75 Micron Mesh



Level Sensor Detect Auto Washing



High Pressure Washer Nozzle



Wear Resistance PP Gear

Pureflow Bio Drum Filters are the ultimate solution for your filtration requirements. They are engineered using cutting-edge technology and can be used as stand alone filtration units making them the perfect choice for your aquatic systems

Drum Filters offer a range of advantages that make them the ideal choice for your filtration needs with their innovative design and advanced features, these filters provide exceptional performance and efficiency.



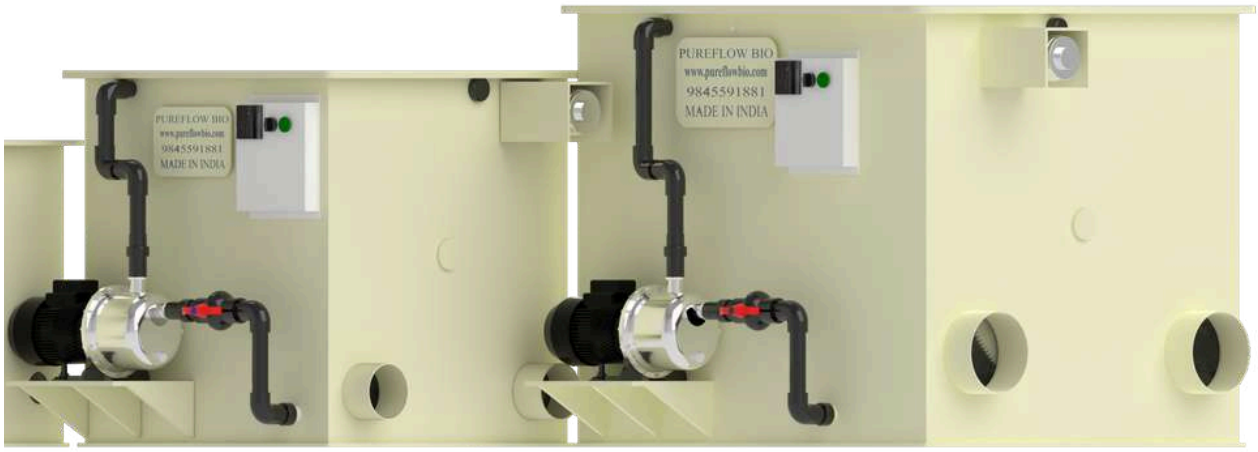
DRF-3-6 DRF-6-10 DRF-15 DRF-30 DRF-50

MODEL	RDF-5	RDF-10	RDF-20	RDF-30	RDF-50	RDF-100
Dimension Length(mm)	430	500	655	660	955	1280
Dimension Width (mm)	330	450	555	655	855	930
Dimension Height (mm)	370	500	590	725	850	910
Water Volume(m^3)	5	10	15	30	50	100
Max. Flow(m^3/h)	5	10	15	30	50	100
Water Inlet (mm)	32*1	50*1	50*2	63*2	90*2	110*2
Water Outlet (mm)	50*2	63*2	63*2	75*2	110*2	160*2

The models shown above are only for reference, customization can be done as per the requirement.

ROTARY DRUM FILTER

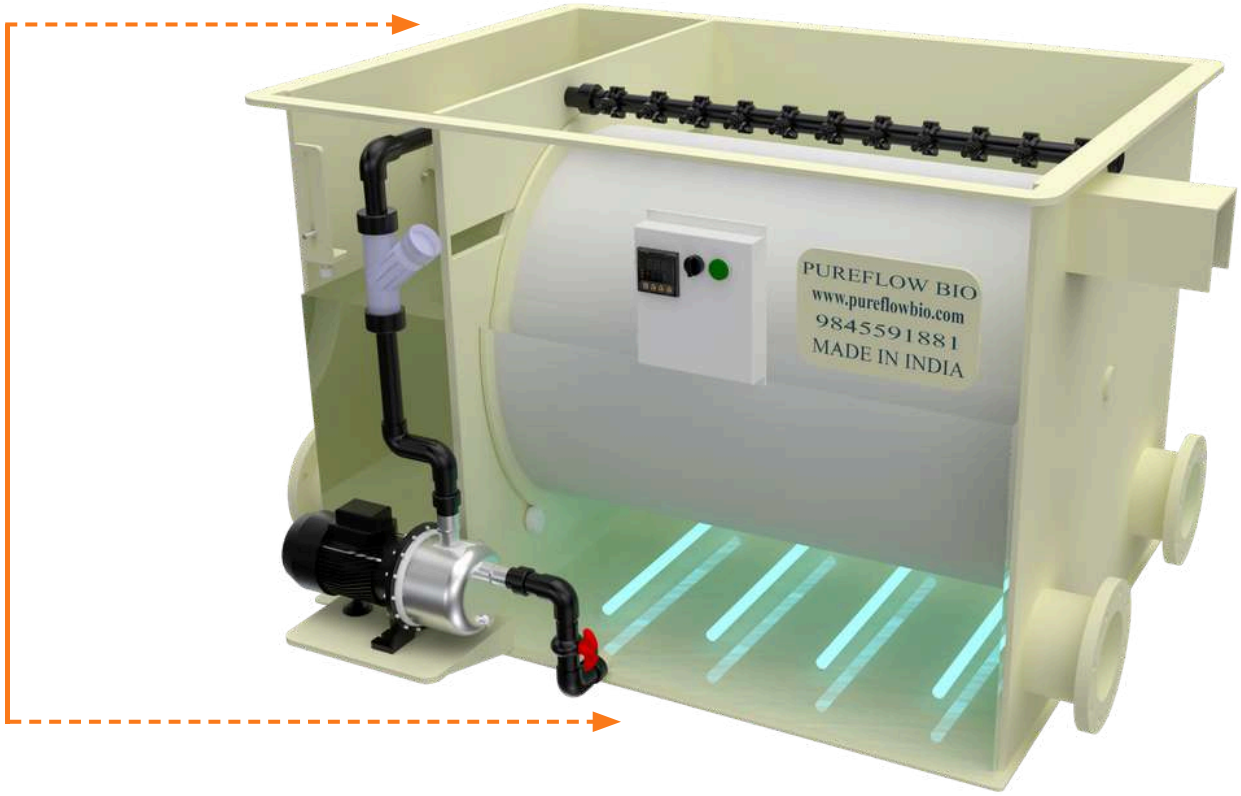




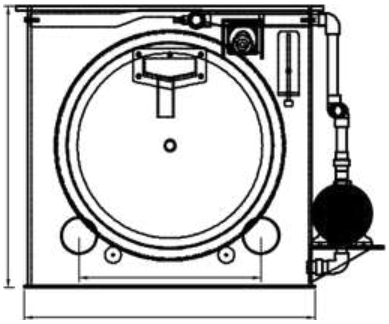
MODEL	RDF-150	RDF-200	RDF-250	RDF-300
Dimension Length(mm)	1650	1850	2050	2350
Dimension Width (mm)	1050	1150	1250	1450
Dimension Height (mm)	1000	1100	1150	1350
Water Volume(m^3)	150	200	250	300
Max. Flow(m^3/h)	150	200	250	300
Water Inlet (mm)	160*2	200*2	220*2	250*2
Water Outlet (mm)	160*2	200*2	220*2	250*2

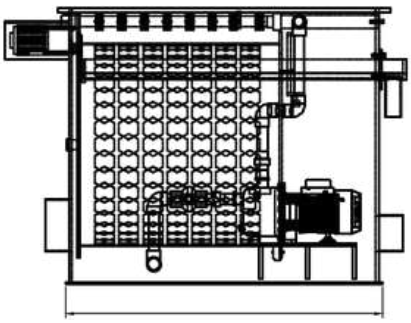
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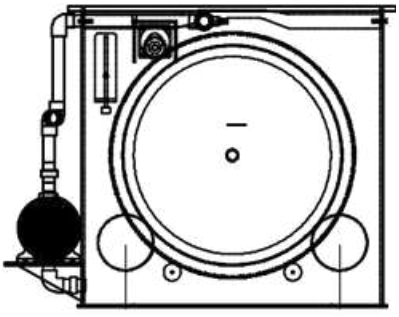
DRUM FILTER PRO SERIES WITH UV



PUREFLOW Drum Filters are the ultimate solution for your filtration requirements. They are engineered using cutting-edge technology and can be used as stand alone filtration units making them the perfect choice for your aquatic systems.







DRUM FILTER PRO SERIES WITH UV



Product Features



SS 316 Grade 75 Micron Mesh



Level Sensor Detect Auto Washing



High Pressure Washer Nozzle



Wear Resistance PP Gear

Pureflow Bio Drum Filters are the ultimate solution for your filtration requirements. They are engineered using cutting-edge technology and can be used as stand alone filtration units making them the perfect choice for your aquatic systems

Drum Filters offer a range of advantages that make them the ideal choice for your filtration needs with their innovative design and advanced features, these filters provide exceptional performance and efficiency.



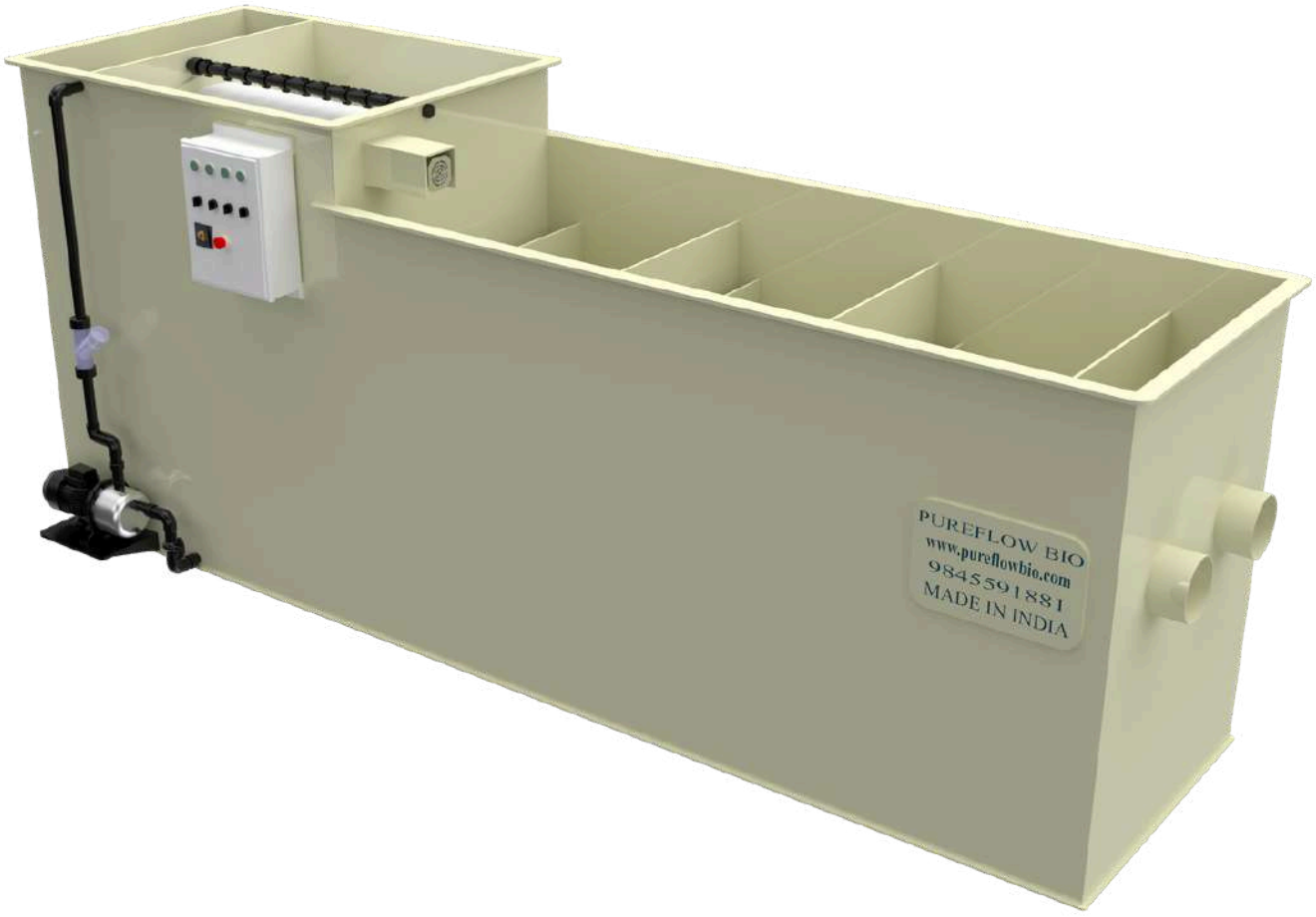
MODEL	RDF-15	RDF-30	RDF-50	RDF-80
Dimension Length(mm)	755	850	1050	1250
Dimension Width (mm)	655	750	950	930
Dimension Height (mm)	590	725	850	900
Water Volume(m^3)	15	30	50	80
Max. Flow(m^3/h)	15	30	50	80
Water Inlet (mm)	50*2	63*2	90*2	110*2
Water Outlet (mm)	63*2	75*2	110*2	200*2
UV	30*2	40*3	55*4	80*4

The models shown above are only for reference, customization can be done as per the requirement.

COMBI DRUM FILTER

The PUREFLOW Combi Drum Filters offer a range of advantages that make them the ideal choice for your filtration needs. With their innovative design and advanced features, these filters provide exceptional performance and efficiency.





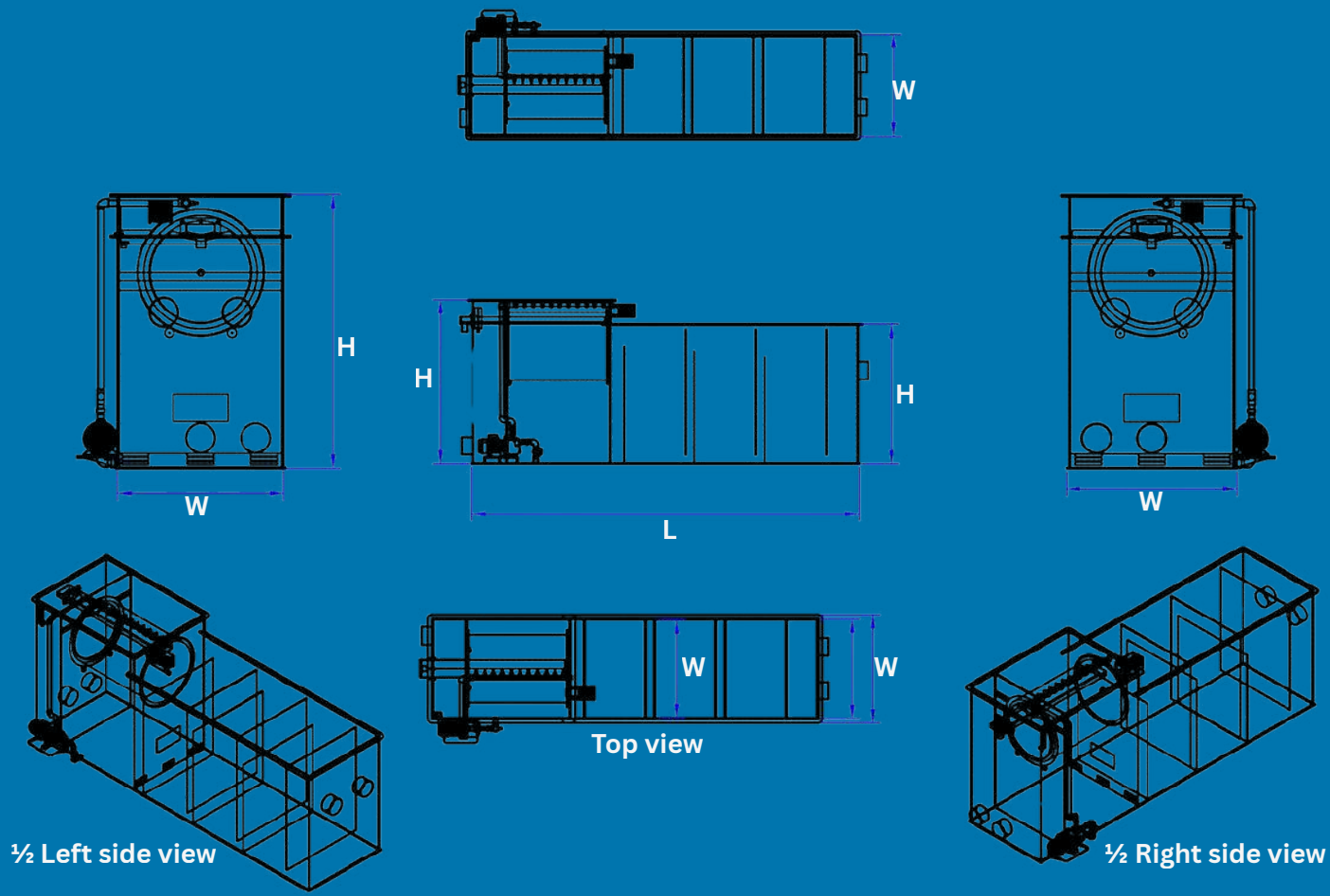
COMBI DRUM FILTERS

User Benefits

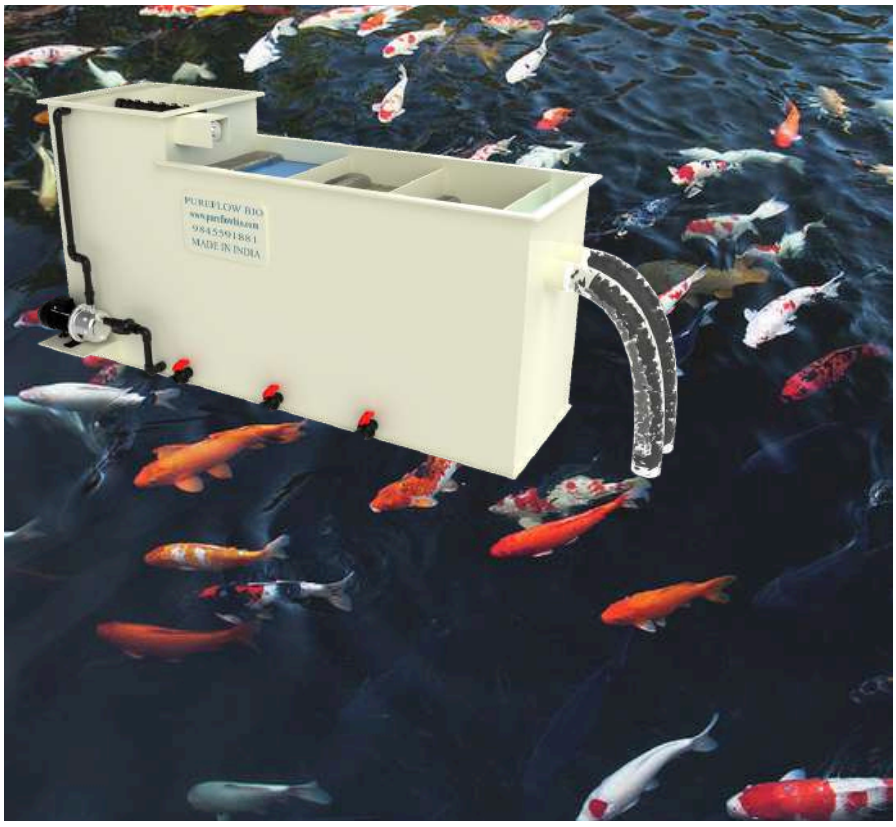
- Durability, long lasting
- Minimal maintenance
- Minimum energy consumption
- Expandable and customizable
- Available with SCADA integration
- For both fresh and saltwater applications
- Compatible with ozone injection

COMBI DRUM FILTER

All in One Combi Drum Filter, Maintaining crystal-clear, healthy water in Koi ponds, ornamental ponds, and Recirculating Aquaculture Systems (RAS) is a constant challenge. Uneaten feed, suspended solids, fish waste, and harmful pathogens quickly deteriorate water quality, stressing fish and disrupting bio-balance.



COMBI DRUM FILTER



Product Features



SS 316 Grade 75
Micron Mesh



High Pressure
Washer Nozzle



Level Sensor
Detect Auto Washing



Wear Resistance
PP Gear



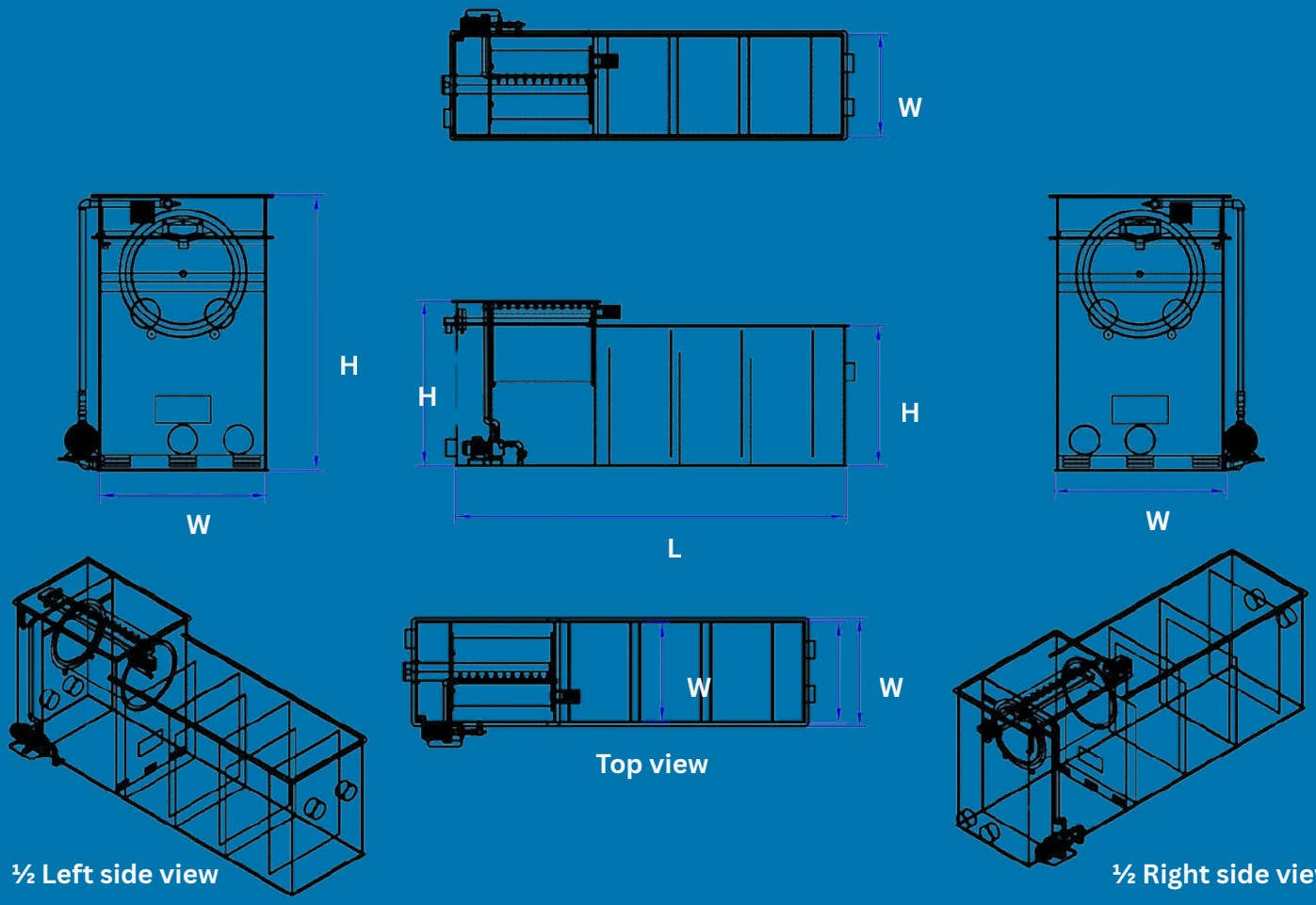
CDRF-5 CDRF-10 CDRF-15 CDRF-25 CDRF-50 CDRF-100

MODEL	CDRF-5	CDRF-10	CDRF-15	CDRF-25	CDRF-35	CDRF-50	CDRF-100
Dimension Length(mm)	990	1030	1650	2250	2300	3000	4000
Dimension Width(mm)	340	475	550	640	680	850	1000
Dimension Height(mm)	500	745	745	1000	1110	1200	1500
Water Volume(m^3)	3	10	15	25	35	50	100
MAX. Flow(m^3/h)	5	10	15	30	35	50	100
Water Inlet (mm)	32*1	50*2	50*2	63*2	75*2	90*2	90*2
Water Outlet (mm)	50*1	63*2	63*3	75*2	90*3	110*2	110*2
UV Power (W)	20*2	30*2	40*2	50*2	60*2	60*2	100*2

The models shown above are only for reference, customization can be done as per the requirement.

COMBI DRUM FILTER PRO SERIES

Combi Drum Filter Pro series, Maintaining crystal-clear, healthy water in Koi ponds, ornamental ponds, and Recirculating Aquaculture Systems (RAS) is a constant challenge. Uneaten feed, suspended solids, fish waste, and harmful pathogens quickly deteriorate water quality, stressing fish and disrupting bio-balance.



COMBI DRUM FILTER PRO SERIES



Product Features



SS 316 Grade 75 Micron Mesh



High Pressure Washer Nozzle



Level Sensor Detect Auto Washing



Wear Resistance PP Gear



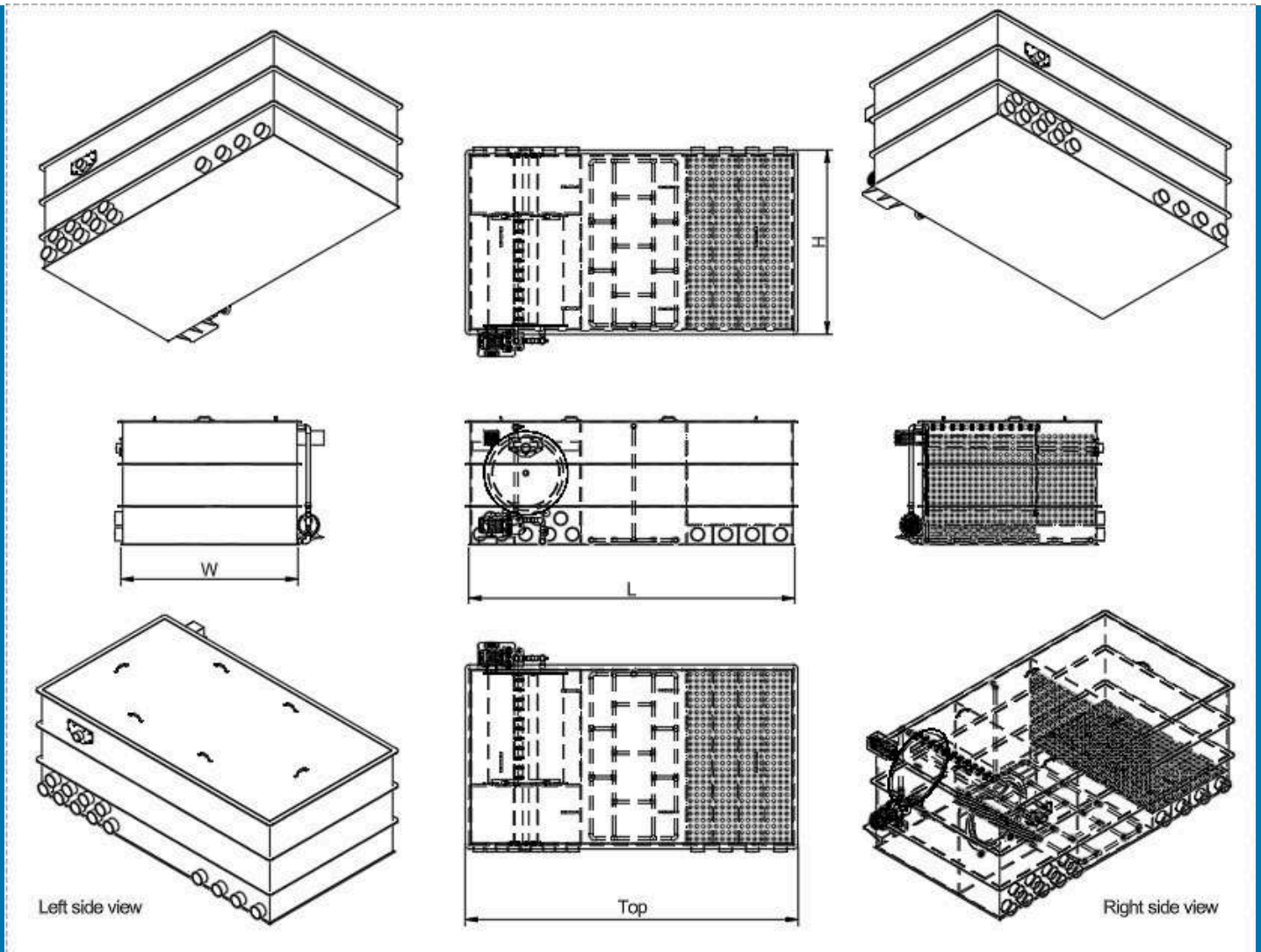
CDRF-5 CDRF-10 CDRF-15 CDRF-25 CDRF-50 CDRF-100

MODEL	CDRF-5	CDRF-10	CDRF-15	CDRF-25	CDRF-50	CDRF-100
Dimension Length(mm)	1120	1430	1850	2750	3500	4300
Dimension Width(mm)	400	475	650	850	950	1400
Dimension Height(mm)	500	745	1000	1250	1400	1500
Water Volume(m^3)	3	10	15	25	50	100
Max. Flow(m^3/h)	5	10	15	30	50	100
Water INLET (mm)	32*1	50*2	50*2	63*2	75*2	90*2
Water Outlet(mm)	50*1	63*2	63*2	75*2	90*2	110*2
UV Power (W)	20*3	30*4	40*4	50*4	60*4	75*6

The models as above are only for reference, could also customized by customer request.

GRAVITY COMBI FILTER

Pureflow Bio Gravity Combi Filter is an advanced all-in-one filtration system specially designed for Koi Ponds, Aquaculture, Fish Farming, and Recirculating Aquaculture Systems (RAS). It combines mechanical filtration and biological filtration into a single compact unit, providing crystal-clear water with minimal maintenance.



GRAVITY COMBI FILTER

Key Features

- Automatic Rotary Drum Filter
- Gravity-fed operation
- Combined mechanical and biological filtration
- Self-cleaning drum system
- Energy-efficient design
- Compact all-in-one construction
- Low maintenance
- Continuous filtration
- Crystal-clear water
- Suitable for freshwater, Saltwater and koi ponds

Product Features



SS 316 Grade 75 Micron Mesh



High Pressure Washer Nozzle



Level Sensor Detect Auto Washing



Wear Resistance PP Gear

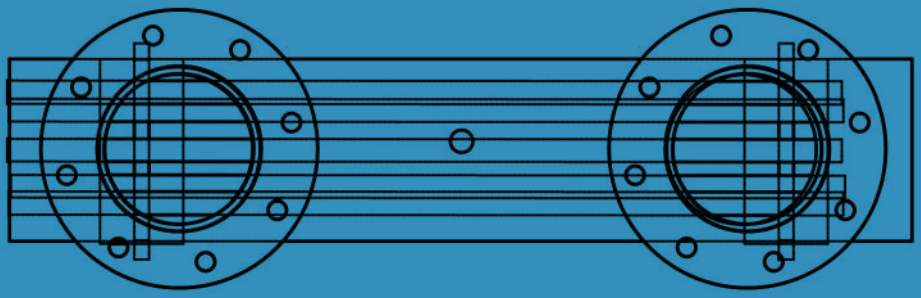


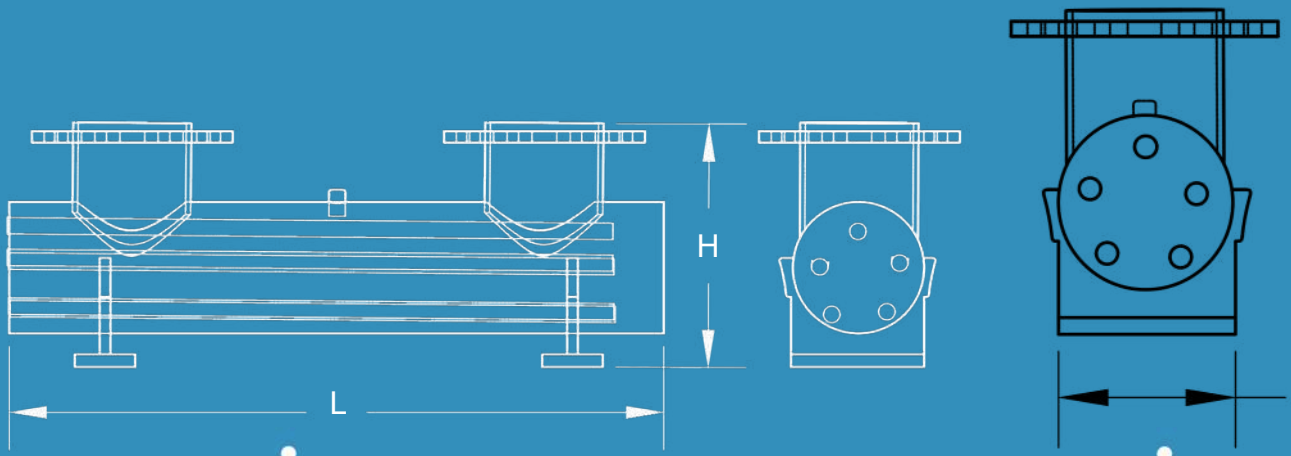
MODEL	GCF-10	GCF-15	GCF-25	GCF-35	GCF-50	GCF-100	GCF-150	GCF-200	GCF-300
Dimension Length(mm)	1200	1200	1450	1600	2050	2690	2775	2950	3450
Dimension Width(mm)	650	900	950	100	1050	1450	1475	1550	1650
Dimension Height(mm)	550	750	750	900	1000	1000	1050	1050	1150
Water Volume(m^3)	10	15	25	35	50	100	150	200	300
Max. Flow(m^3/h)	10	15	25	35	50	100	150	200	300
Water INLET (mm)	75*3	90*3	110*4	110*5	110*6	160*5	160*6	160*9	200*6
Water Outlet(mm)	50*2	75*2	90*3	110*3	110*3	110*3	110*4	110*5	110*6
UV Power (W)	30*2	40*2	60*2	60*3	60*4	80*3	100*4	100*5	100*6

The models as above are only for reference, could also customized by customer request.

UV DISINFECTION UNITS

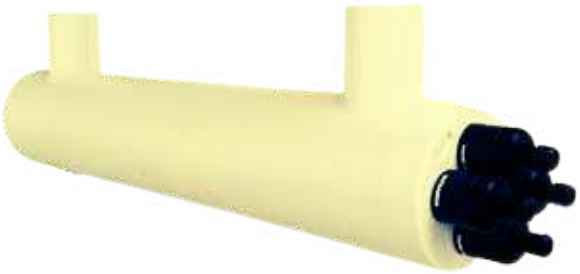
PUREFLOW UV systems, our top preference in achieving successful results in aquaculture projects, offer excellent solutions for effective disinfection and water quality management. These advanced, high-tech systems are highly effective and reliable in controlling microorganisms and maintaining the balance of water ecosystems. You can achieve high performance and efficiency in your aquaculture projects with UV Disinfection Systems.



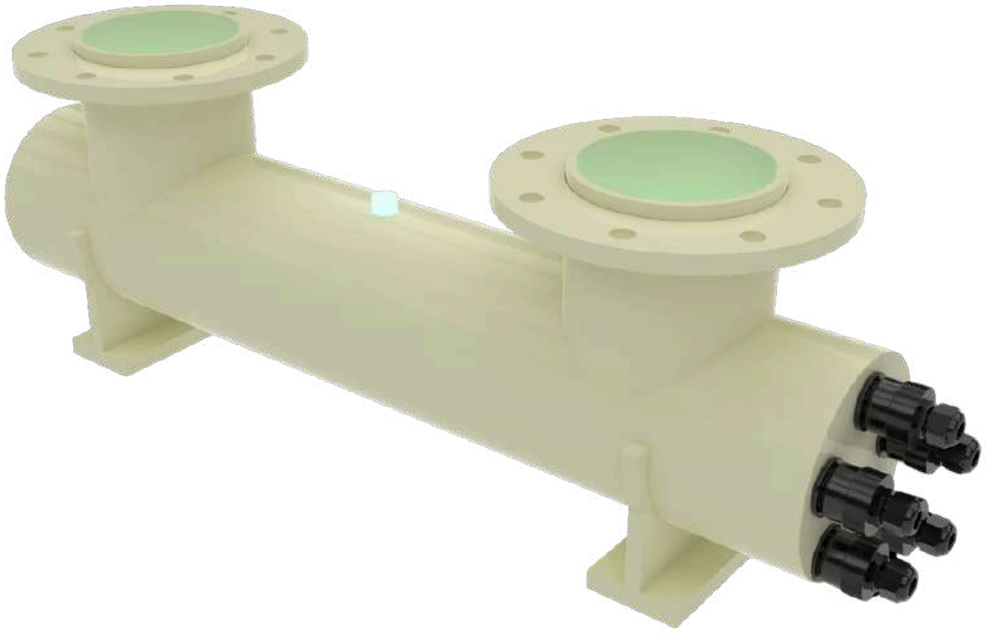




Non-Corrosive PP Systems



Low Flowrate PP Systems

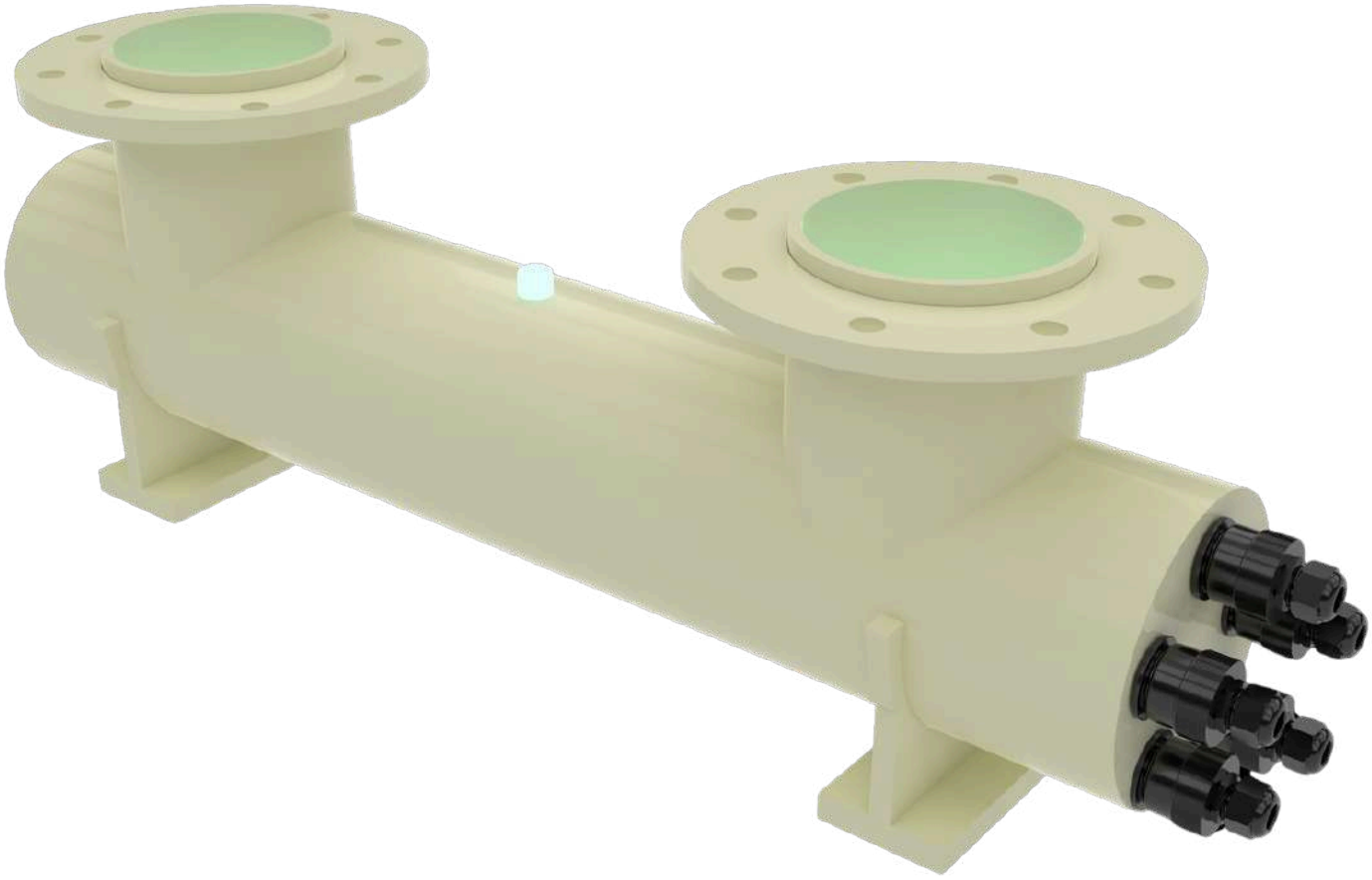


UV DISINFECTION UNITS

User Benefits

- Durability, long lasting
- Minimal maintenance
- Minimum energy consumption
- Expandable and customizable
- Available with SCADA integration
- For saltwater applications

UV DISINFECTION UNITS



Disinfection Systems offer a highly effective, chemical-free solution for sterilizing biologically charged water in aquaculture, hatcheries, and Recirculating Aquaculture Systems (RAS). Using powerful ultraviolet radiation, these systems destroy the DNA and RNA of harmful microorganisms—including bacteria, viruses, algae, fungi, yeasts, and even ozone gas—eliminating their ability to reproduce and cause disease.

Unlike chemical disinfection methods, UV treatment preserves the physical and chemical properties of water, making it a safer and more sustainable option. Pureflow UV systems are engineered for continuous operation in both freshwater and marine environments, ensuring optimal water clarity and robust biosecurity.

UV DISINFECTION UNITS

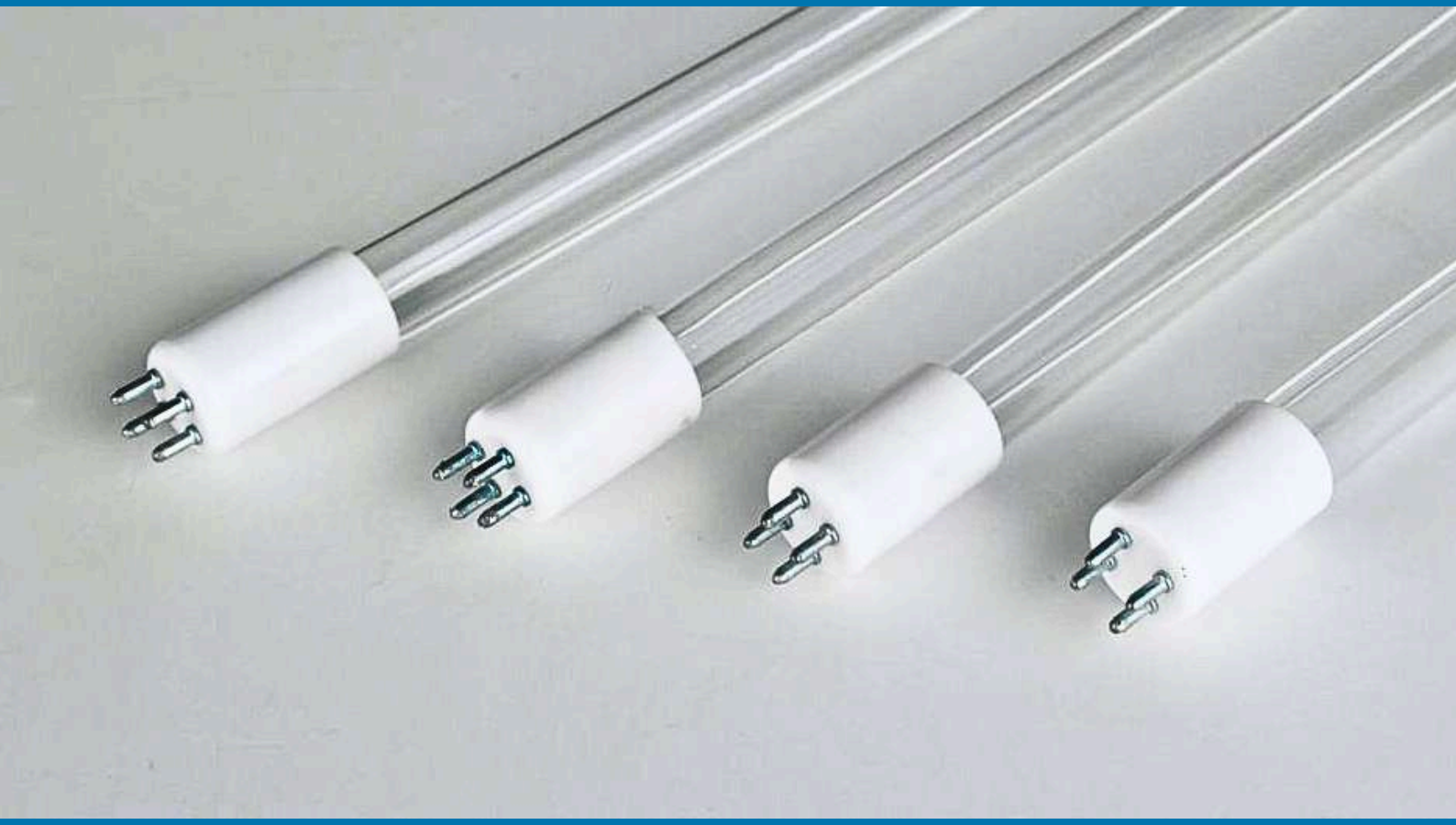
ADVANTAGES OF AQUACULTURE UV DISINFECTION SYSTEMS
Maintaining Unaffected Physical & Chemical Composition of the Water
Effective against any Type of Harmful Microorganism
Minimized Risk of Handling & Dosing Hazardous Chemical Products
Avoidance of Hyper Chlorination



MODEL	UV-1	UV-5	UV-10	UV-20	UV-50	UV-100	UV-250
Normal Flow Rate(m^3/h)	1	5	10	20	50	100	250
Max. Flow Rate(m^3/h)	2	8	12	30	55	120	300
Length(mm)	650	745	770	770	1785	1785	1785
Width(mm)	135	160	190	190	255	300	345
Height(mm)	300	300	350	350	425	510	610
UV Lamp Used	1	1	2	3	3	2	4
UV Power(W)	40	80	80	160	300	400	400

The models shown above are only for reference, customization can be done as per the requirement.

HO UV DISINFECTION UNITS

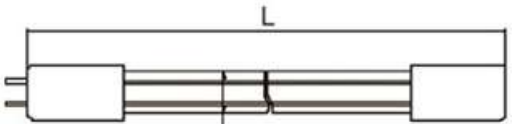


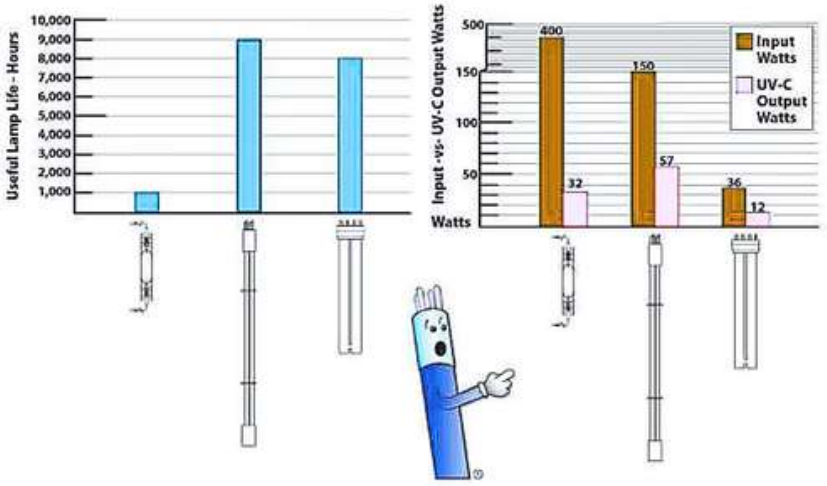
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HO UV DISINFECTION UNITS







SPECIFICATIONS:

1.Four-Pin, single ended UV germicidal lamps.

2.PUREFLOW UV lamps are made of high quality quartz.

3.Average lamp life is 8,000-10,000 hours.

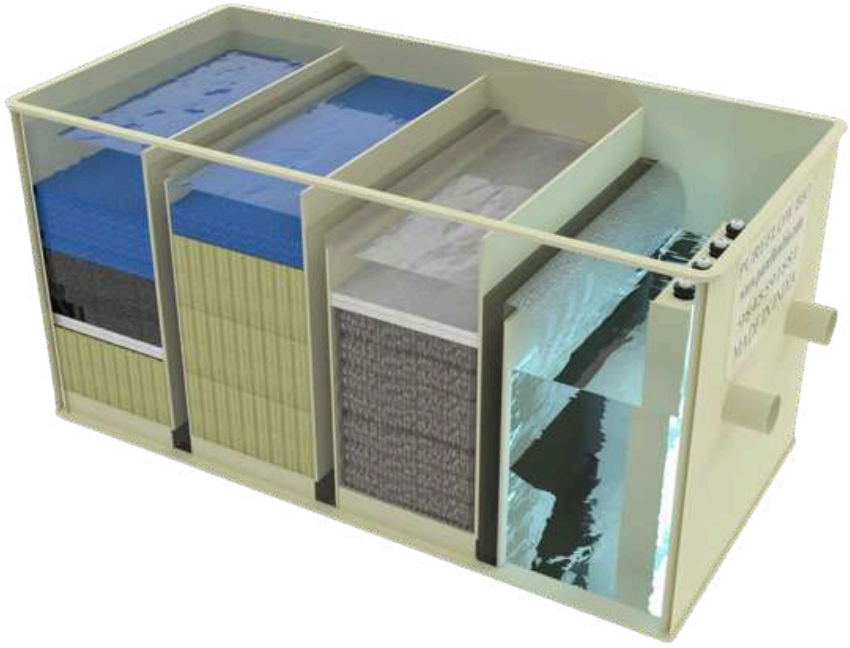
4.Ozone-free lamps and ozone-generating lamps are for choice.

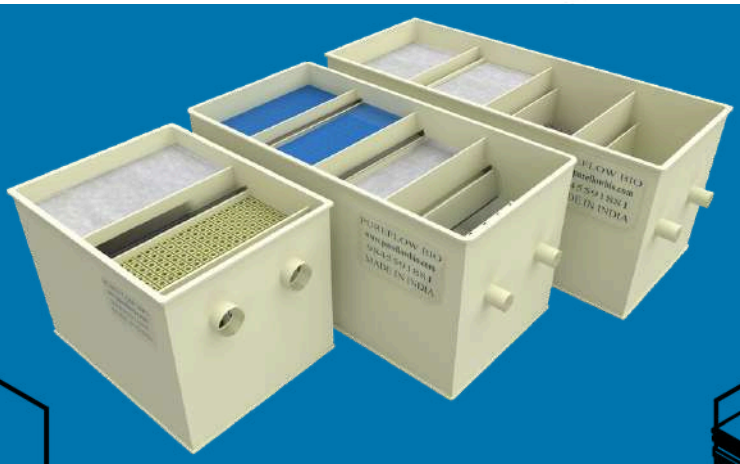
5.Quartz sleeves and ballasts are available.

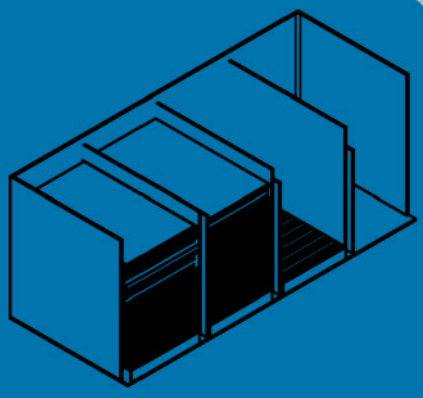
Pureflow HO 4 pins 40-150w high output. UV germicidal lamps with different bases, diameters, and lengths are available, which offer excellent efficiency. Ultraviolet technology has been one of the most effective methods of water treatment and air purification. PUREFLOW UV lamp is the ideal solution for water/air disinfection application in a safe way, without using any chemicals.

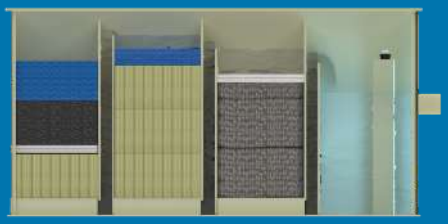
MODEL	PF436/HO	PF793/HO	PF846/HO	PF893/HO	PF1148/HO	PF1554/HO
Tube Diameter (mm)	15	15	15	15	15	15
Length(mm)	436	793	846	893	1148	1554
Power(W)	48	70	80	90	120	155
Voltage at 50-60Hz(V)	70	90	127	135	166	220
Voltage at High Frequency(V)	60	76	113	120	154	195

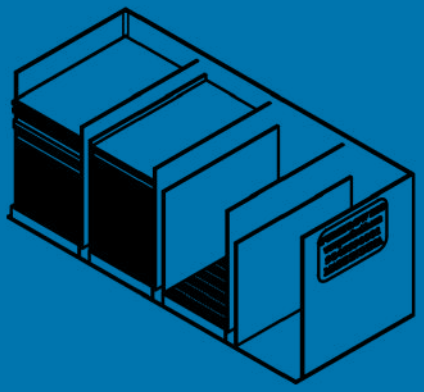
BIOLOGICAL FILTER

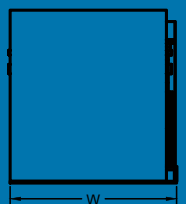








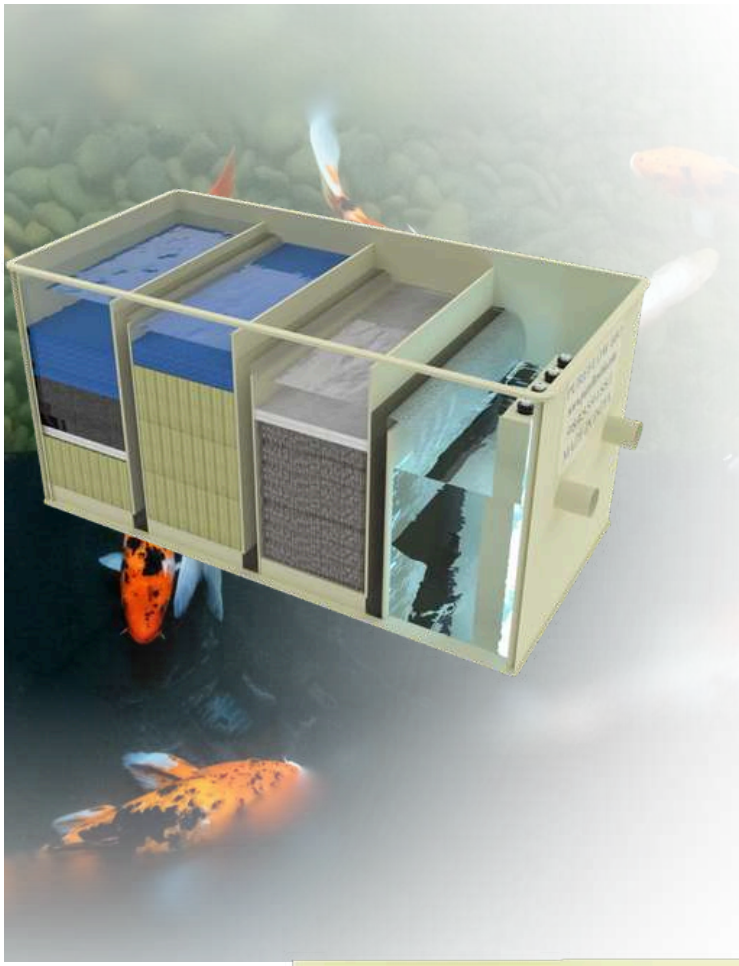








BIOLOGICAL FILTER



Pureflow Bio Innovations Bio-Filter tank adopts a three level filtration structure, which gives it a large filtration area, small equipment volume, compact structure and high treatment efficiency. Moreover, filtration and sewage discharge are carried out simultaneously without affecting or interrupting the normal use of the system. In addition, the equipment has a very obvious effect on removing organic matter in water.

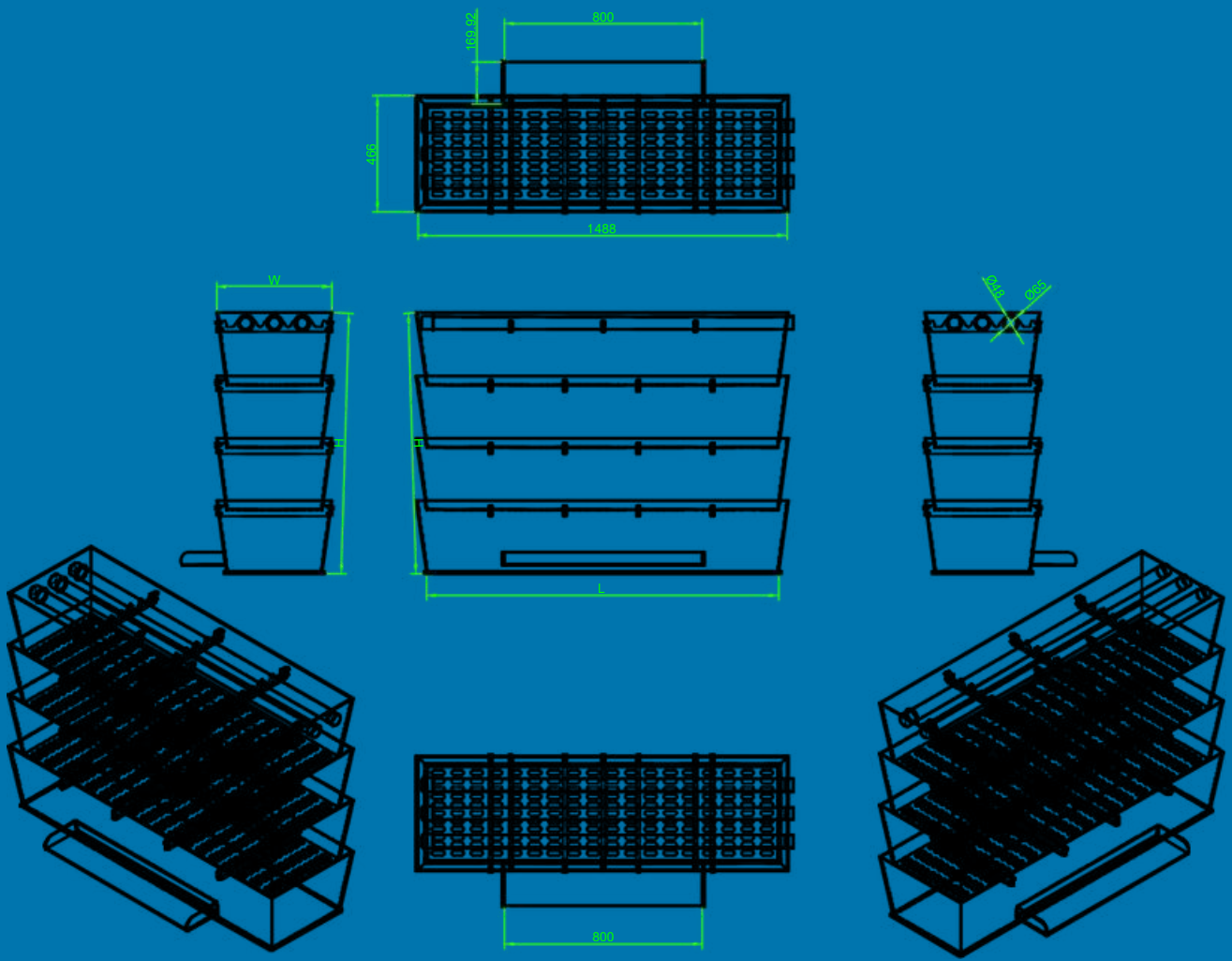


MODEL	BF-5	BF-7	BF-10	BF-15	BF-20	BF-30	BF-50
Dimension Length(mm)	1000	1300	1800	2000	2000	2800	3000
Dimension Width(mm)	500	500	750	1000	1000	1000	1000
Dimension Height(mm)	600	750	750	1000	1000	1000	1500
Water Flow(m^3/h)	5	7	10	15	20	30	50
Water Outlet(mm)	32*2	32*2	50*2	63*2	63*2	75*2	75*3
Applicable Water Volume(T)	2	4	6	10	15-20	25-30	30-50

The models shown above are only for reference, customization can be done as per the requirement.

BAKKI SHOWER FILTER

Bakki Showers provide superior biological filtration, consistent oxygenation, and enhanced nutrient balance. As water cascades down multiple filtration trays, it breaks into fine droplets, thereby maximizing oxygen transfer and creating the perfect environment for beneficial nitrifying bacteria. Consequently, harmful compounds like ammonia and nitrite are rapidly converted into harmless nitrates, and water clarity improves significantly.



BAKKI SHOWER FILTER



Product Features



Spray evenly and well

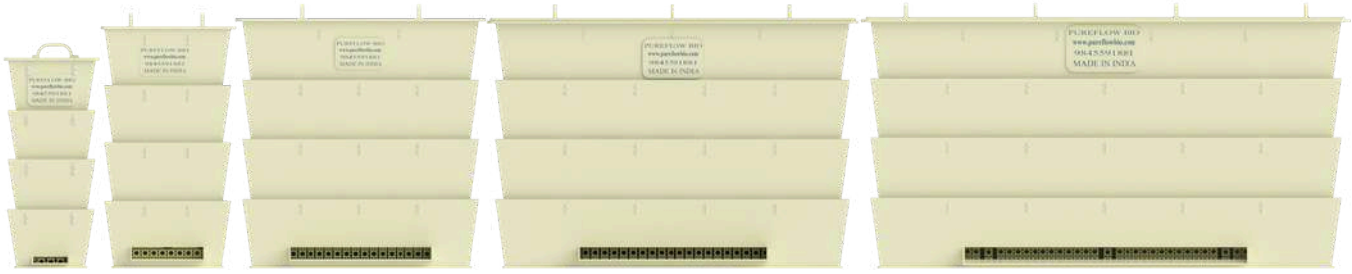


Water Outlet



Drip Filter openwork design

- 4 Layer Design, Large Space
- Hollow Drip Flow Increase oxygen Concentration
- Waterfall Outlet, Help Increase The Oxygen Effect
- Food Grade PP Sheet



BSF-370 BSF-540 BSF-1000 BSF-1500 BSF-2000

MODEL	BSF-370	BSF-540	BSF-1000	BSF-1500	BSF-2000
Total Height(mm)	880	1020	1050	1050	1050
TOP LENGTH (mm)	370	540	1000	1500	2000
BOTTOM LENGTH(mm)	290	460	920	1420	1420
TOP WIDTH(mm)	266	366	466	466	466
WATER FLOW (m^3/h)	10	15	30	50	50
LAYER	4	4	4	4	4
OUTLET WIDTH (mm)	200	300	600	800	800
WATER INLET (mm)	32	40	50	63	75

The models shown above are only for reference, customization can be done as per the requirement.

RADIAL FLOW SETTLER

Pureflow Biofloc Innovation Radial Flow Settler (RFS) is an efficient solution for removing particulates from effluent water in various industrial applications. The system works by directing the water into the RFS Liquid Inlet, where it flows upward through the adjustable Standpipe Assembly and down through the Stilling Well. During this process, solid particulates naturally settle to the cone bottom and are easily removed via the Solids Outlet. The filtered water then rises over a V-Notch Weir into the Launder and exits through the Liquid Outlet, ensuring cleaner and safer water discharge.



RADIAL FLOW SETTLER



The Radial Flow Settler (RFS) is highly cost effective in reducing solids loading in a system and operates passively, requiring no additional energy. This low-maintenance equipment is designed for routine cleaning only, with no need for extra servicing or repairs. Available in various sizes to accommodate different flow requirements, the RFS is also optimized for containerized shipping, making it accessible for worldwide use

MODEL	RFS-1100	RFS-1600	RFS-1900	RFS-2200	RFS-2500	RFS-2800	RFS-3000
Diameter(mm)	1100	1600	1900	2200	2500	2800	3000
Max. Flow Rate(m^3/h)	10	20	30	38	50	60	80
Average Flow(m^3/h)	5	10	15	20	25	30	35
Stelling Well Diameter(mm)	690	850	1060	1060	1060	1260	1260
Launder Width(mm)	150	230	300	340	360	400	450
Launder Depth(mm)	200	300	380	400	50	600	600
Filter Length(mm)	590	750	960	960	960	1160	1160

The models shown above are only for reference, customization can be done as per the requirement.

MOVING BED BIOFILTER REACTOR

MBBRs are biological filters, fabricated to provide nitrification and degradation of Total Ammonia Nitrogen (TAN) that is highly toxic. MBBR bio-towers are made of PP, resistant to osmosis and ozone gas. The Moving Bed Biofilter Reactor retains the organically loaded water by creating a vortex, to evenly move the bio media into the oxygen-rich, aerated contact chamber. This retention allows the micro-organisms to biologically absorb the nutrients off the water at a higher level than a traditional fixed biological filter. Due to the moving structure and high specific surface area of MBBR media that play host for nitrification bacteria, MBBR units also have very low footprints compared to fixed type biological filters



MOVING BED BIOFILTER REACTOR



MODEL	PF MBB-20	PF MBB-60	PF MBB-215	PF MBB-275
Diameter(mm)	450	730	950	1150
Height(mm)	1650	1850	2100	2300
Inlet Size (mm)	90	110	220	250
Outlet Size(mm)	90	110	220	250
MAX. Water FLOW(m^3/h)	20	60	210	280
Max. Air Flow Rate 50hZ(m^3/h)	19	30	50	120
Footprint Depth(mm)	930	1150	1400	1700
Footprint Width(mm)	830	1450	1650	2215
Water Outlet Level(mm)	1200	1350	1350	1450
Water Inlet Level(mm)	1250	1500	1550	1750

The models shown above are only for reference, customization can be done as per the requirement.

DEGASSING TOWER

Pureflow Degasser Systems operation is based on the diffusional removal of un desirable gases and the enrichment of water in Oxygen by a fan and Titanium micron diffuser system. The gas exchange process is enhanced by the usage of a specifically dedicated blower that draws air into the water body. Air may flow at mospheric or under negative pressure -vacuum- depending on the operator's selection. On all options, air and water run in cross flow both through the media and the free-spaced columns for the maximum gas exchange efficiency. Pureflow Degassers have unique auto clean wash and ozonated clean in place solution to avoid any kind of fouling.



DEGASSING TOWER



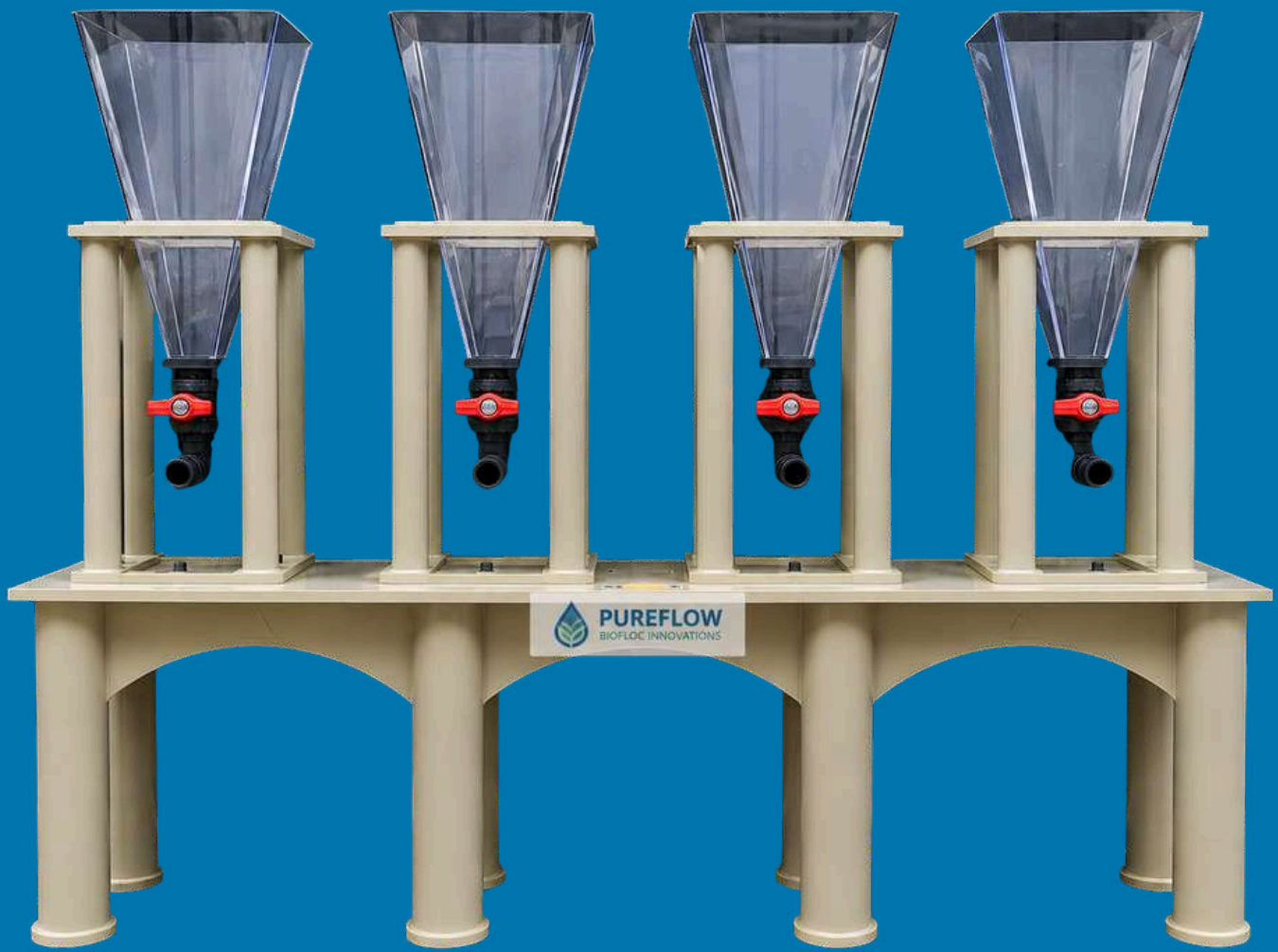
Degas Towers are tailor made solutions for high density land based aquaculture tanks to extract excessive CO2 from the water. Pureflow DGT provides an efficient means of carbon dioxide (CO2) and nitrogen (N2) gas removal, maintaining the suitable conditions of treated water to fish livestock. The undesirable gases are diffused out of the water into the ambient with minimum energy consumption.

MODEL	DGT-25	DGT-50	DGT-100	DGT-150
Tank Diameter(mm)	500	750	1000	1250
Tank Height(mm)	3630	3750	3820	3950
Water Inlet Diameter (mm)	140	160	200	220
Water Outlet Diameter(mm)	140	160	200	220
MAX. Water FLOW(m^3/h)	25	50	100	150
Overhall Height(mm)	3950	4100	3850	3970
Media Volume(m^3)	110	140	160	200
Water Outlet Height(mm)	150	175	250	250
Water Inlet Height(mm)	3350	3400	3470	3560

The models shown above are only for reference, customization can be done as per the requirement.

LIVE FEED PRODUCTION SYSTEM

The Artemia Salina Hatching and Enrichment Module Tanks are an efficient hatching environment of Artemia salina cysts as well as a proper enrichment environment for Artemia salina Naupli 1 and 2.
The units provide accuracy and control of the hatching and enrichment conditions and offer excellent performance, bio se cure hatching environment, stable hatching media physicochemical parameters, ease of operation and robust fabrication in a superior quality. Artemia salina naupli is used in aquariums, institutes, universities, laboratories, aquaculture and ornamental sector and is considered as a beneficial and nutritional food source at the critical larvae stages, providing better survival rates and larvae quality.



LIVE FEED PRODUCTION SYSTEM







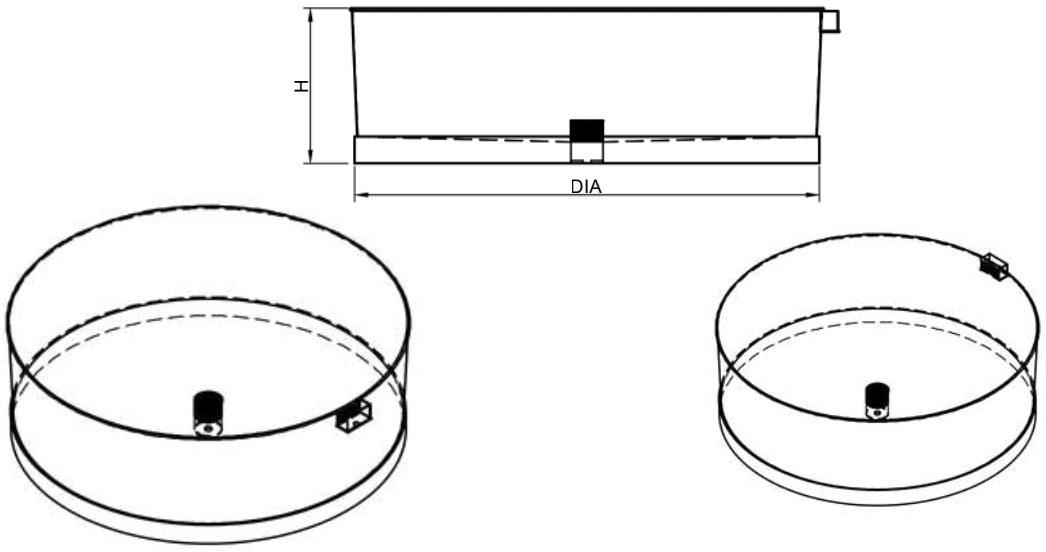


The natural DHA and EPA resources of Artemia salina Naupli, in addition with the Enrichment process in an absolute controlled environment guarantee the culture process.
The Artemia LFP Skid Systems include four pieces of single vessels mounted upon one table, where each vessel is 18,5lt.
Only one valve with a camlock is used for each vessel to collect the livestock and for drainage.

The models shown above are only for reference, customization can be done as per the requirement.

AQUACULTURE FISH TANK





Pureflow Biofloc Innovations produces aquaculture tanks from food grade Polypropylene with multiple customized features like sight , covers, net holders, bottom and overflow drains and pipe connection from 0.1m^3 to 200m^3. Pureflow Biofloc Innovations designs and manufactures PP tanks in-house with 3D Models and CNC Automated cutting, bending and welding machines

AQUACULTURE FISH TANK

Pureflow Biofloc Innovations specially designed an environmentally friendly non-toxic, long service life, smooth surface, corrosion resistance, aging resistance etc. For factory circulating aquaculture systems, hatching and breedind systemm, broodstock and shrimp breeding systems andadult fish and shrimp breeding systems. Special round PP fish pond with anti-leakage according to different needs



MODEL	PFT-8	PFT-18	PFT-47	PFT-106	PFT-141	PFT-251	PFT-589
Diameter(mm)	1	1.5	2	3	3	4	5
Height(mm)	1	1	1.5	1.5	2	2	3
Water Volume(m^3)	0.8	1.8	4.7	10.6	14.1	25.1	58.9

The models shown above are only for reference, customization can be done as per the requirement.

Ozone Generator

Pureflow Biofloc designs and manufactures advanced ozone generators specifically for aquaculture and RAS facilities. Built using high-grade S3316 stainless steel, these systems ensure reliable ozone infusion in demanding environments.

Ozone output ranges from 5 g/h to 6500 g/h, with modular scalability for large installations. Each generator features an integrated control panel and optional oxygen preparation units. For enhanced automation, PLC controls can be added. The system integrates seamlessly with ORP or ozone sensors for automatic start/stop, and ambient ozone gas sensors can improve workplace safety.





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Pureflow Biofloc ozone generators deliver consistent performance, efficient disinfection, and long-term durability. Trusted across hatcheries, fish farms, and marine exhibits, these systems help maintain optimal water quality and biosecurity.





PUREFLOW BIOFLOC has the technology and expertise to fabricate safe ozone generators that deliver the actual ozone specified output. The Ozone generators are fabricated for ozone infusion into the water. A solution for an effective, safe and natural disinfection process. Ozone gas is oxidant and dangerous and should be produced and handled under strict monitored operation practices.

Our devices are applicable to Recirculated Aquaculture Systems and other water treatment facilities.

OZONE GENERATOR







MODEL	PFO-15G	PFO-20G	PFO-30G	PFO-50G	PFO-100G
Output	15 G	20 G	30 G	50 G	100 G
Rated Power	280W	320W	380W	680W	1200W
Apply to Space	50-100M²	150-250M²	200-300M²	300-400M²	500-700M²
Ozone Density	Air Source:15-25 mg/l External Oxygen source:60-120m³	Air Source:15-25 mg/l External Oxygen source:60-120m³	Air Source:15-25 mg/l External Oxygen source:60-120m³	Air Source:15-25 mg/l External Oxygen source:60-120m³	Air Source:15-25 mg/l External Oxygen source:60-120m³
Equipment Size	40*30*62 CM	40*30*62 CM	40*30*72 CM	50*40*91 CM	50*40*123
Packing Size	49*37*62 CM (Carton Box)	49*37*62 cm (wooden case)	49*37*62 cm (wooden case)	49*37*62 cm (wooden case)	49*37*62 cm (wooden case)
N/G	14.2/16.4 KG	15/17.1 KG	16.4/28 KG	39/50 KG	44/66 KG
Cooling Way	Air Cooling	Air Cooling	Water Cooling	Water Cooling	Water Cooling
Power Supply/ Voltage	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Application Air	Air Source/External Oxygen Source	Air Source/External Oxygen Source	Air Source/External Oxygen Source	Air Source/External Oxygen Source	Air Source/External Oxygen Source

NANO BUBBLE GENERATOR

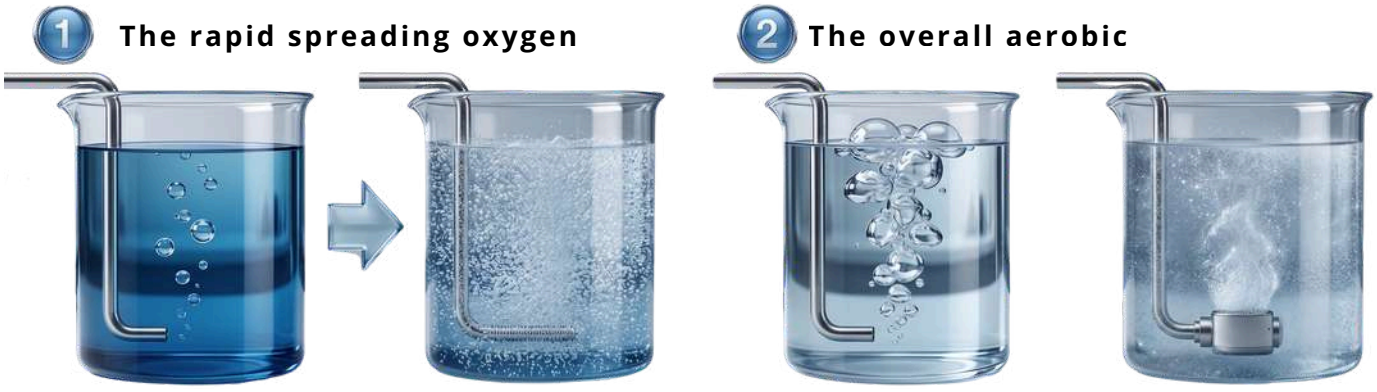
Pureflow Nano Bubble Generator is a new generation of high efficiency and energy saving water treatment technology, its application range is particularly wide industry, has huge development potential, as the functional properties of bubble, bubble with anion, speed slow, ozone bubble explosion equivalent can have antiseptic effect, gradually become smaller bubbles... etc.) familiar, and mature technology and development, will continue to expand its use range, market growth will follow.Our nano bubble generator can replace the current domestic high-pressure decompression dissolved foaming of fine bubbles, and part of the aeration equipment.



NANO BUBBLE GENERATOR

Features

- High pressure Liquid gas mixing and vortex cutting technology, high density of nano bubble, non-clogging and easy to maintain.
- Bubble diameter of 80nm-200nm, saturated water can be quickly produced with fantastic gas-liquid dissolving effect.
- 24/7 automatically running, stable performance, high efficiency, low energy consumption, low noise,

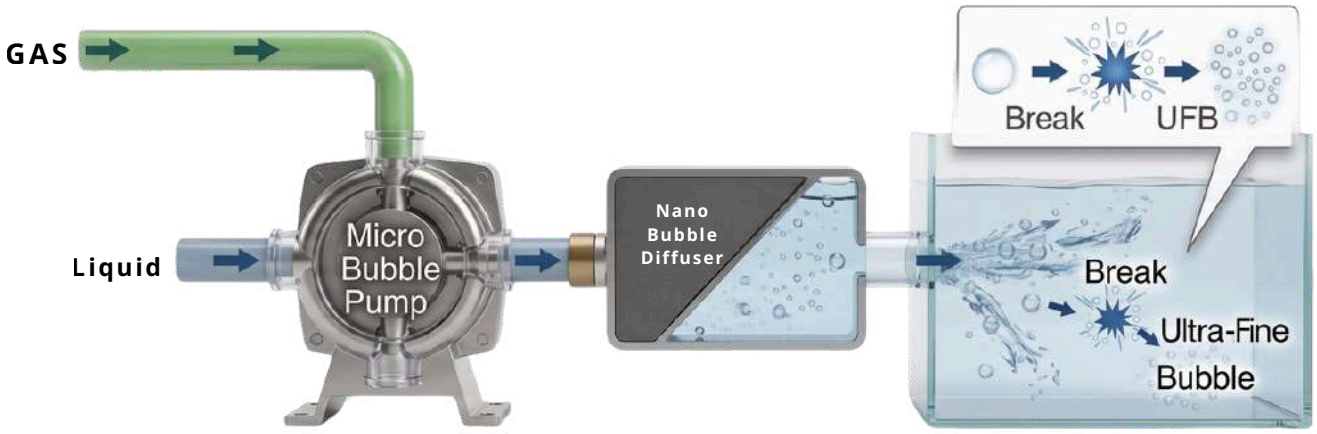


Nano Bubble Generator For Effluent Treatment

Wastewater treatment will have a nano scale mixing liquid and gas, greatly improve the water solubility from bottom to top. The residence time of nano bubbles in the water 100 times longer that ordinary bubbles, achieving the goal of overall aerobic.



NANO BUBBLE GENERATOR



Normal aerator dissolve oxygen absorption rate 3%-5%, nano bubble generator dissolved oxygen absorption rate of 25% or more, can make the breeding density increased by more than 50%

Aquaculture

Nano Bubbles can supply and enrich dissolved oxygen in water sotha can purify and sterilize the water efficiently. Nano Bubble can grow healty fishes to useless fish feed and drug of the nursery. Nano Bubbles can save the working time and operation cost



Water Poluttion & Wastewater Treatment

Nano Bubble can enrich dissolved oxygen in water efficiently and stay durably so that activated aerobic biological treatment better.



Nano Bubbles take negative electrolastic charge and Absorbpostitively electrolastic charged pollutants in water and remove it in order to do flotation separation efficiently.

NanoBubbles are generated simply without a heavy equipment and make high effect efficintly so that you can save the working time and operation cost of the wastewater treatment.

NANO BUBBLE GENERATOR



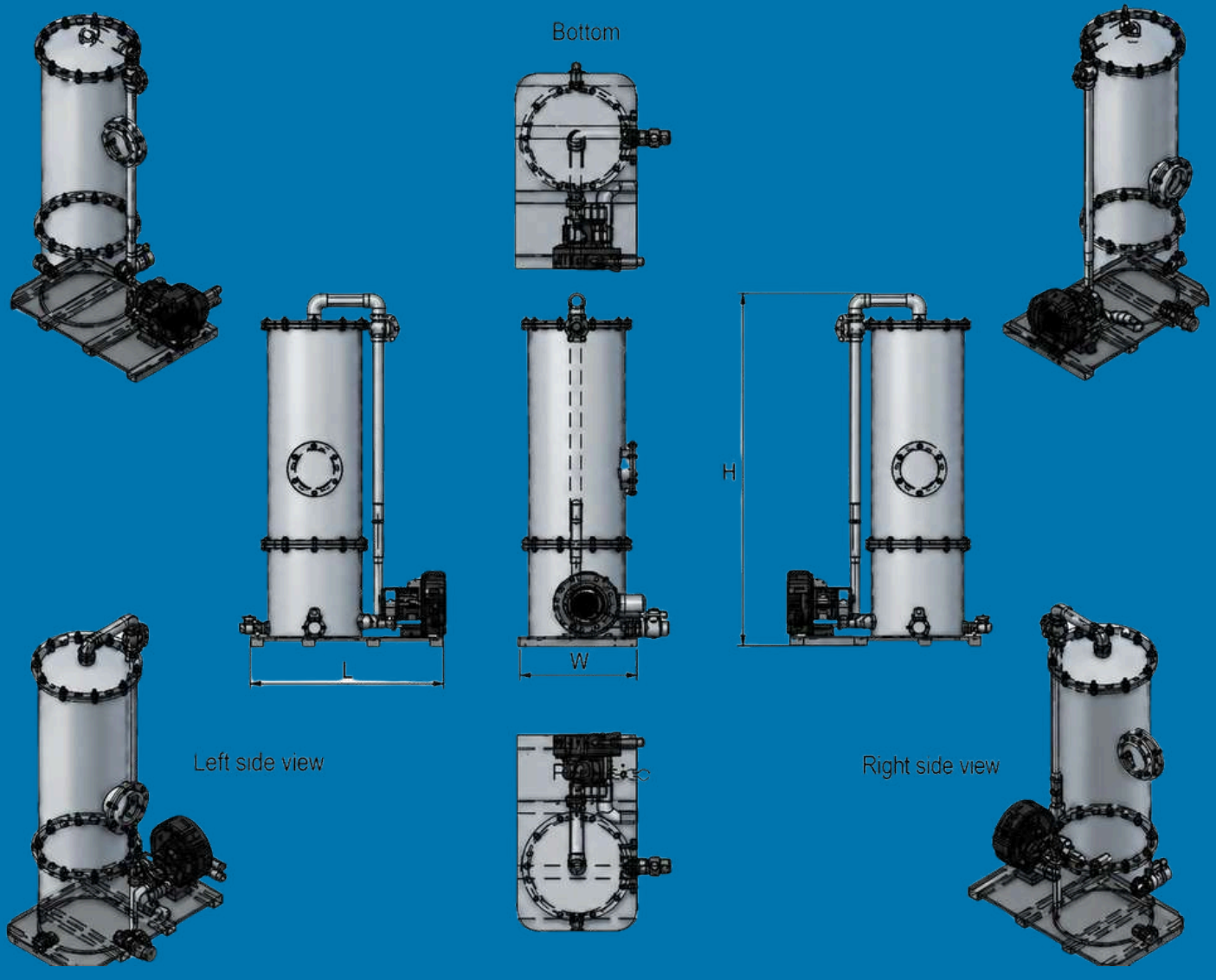
Technical Perameters

MODEL	PFNB-01	PFNB-02	PFNB-06	PFNB-12	PFNB-30	PFNB-55
Flowrate(m^3/h)	1	2	6	12	30	55
Hertz(Hz)	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Power(kW)	0.55	1.1	3.0	5.5	7.5	18.5
Dimensions(mm)	660*530*800	660*530*800	850*550*850	860*560*850	915*678*1280	1100*880*1395
Working Temprature(c)	0-100 C	0-100 C	0-100 C	0-100 C	0-100 C	0-100 C
Treating Capacity(m^3)	120	240	720	1440	3000	6600
Bubble Diameter	80nm-200nm	80nm-200nm	80nm-200nm	80nm-200nm	80nm-200nm	80nm-200nm
Gas-Liquid Mixing Proportion	1:8-1:12	1:8-1:12	1:8-1:12	1:8-1:12	1:8-1:12	1:8-1:12
Gas-Liquid Dissolving Rate	>95%	>95%	>95%	>95%	>95%	>95%

The models shown above are only for reference, customization can be done as per the requirement.

OZONE DESTRUCTOR UNIT

Pureflow Biofloc Innovations Ozone Destructor Units are specially engineered to provide the safe, rapid, and reliable destruction of residual ozone gas generated during ozone treatment processes. They are an essential safety component of every ozone generation system, ensuring that excess ozone is effectively converted into harmless oxygen before being released into the atmosphere.



OZONE DESTRUCTOR UNIT



Technical Perameters

MODEL	ODU-10	ODU-30	ODU-60	ODU-100	ODU-200
Body Material	Polyproplyene (PP)	Polyproplyene (PP)	Polyproplyene (PP)	Polyproplyene (PP)	Polyproplyene (PP)
Body Diameter (MM)	300	400	500	600	700
Width (MM)	475	675	765	830	925
Depth (MM)	425	525	610	720	810
MAX Height	990	1250	1350	1420	1520
Water Drain Outlet	25	25	50	50	50
Inlet (MM)	50	63	75	90	110
Outlet (MM)	63	90	110	110	160
Activate Carbon Mdia(QTY)	25	35	55	100	190
Ozone Gas Inlet Concentration	1	1	1	1	1
Ozone Gas Outlet Consentration	0,0.8	0,0.8	0,0.8	0,0.8	0,0.8
Required Power	230V/440V	230V/440V	230V/440V	230V/440V	230V/440V

The models shown above are only for reference, customization can be done as per the requirement.

OZONE CONTACT UNIT

Pureflo Biofloc Innovations Ozone Contact Unit is designed to efficiently dissolve ozone gas into water, ensuring maximum oxidation, disinfection, and water treatment performance. Ozone is introduced into the filtration system through a pressurized injection process, allowing it to mix uniformly with the water and achieve optimal contact time



OZONE CONTACT SKID UNIT

In marine and saline water applications, Protein Skimmers (Protein Fractionators) are commonly used as the primary ozone contact device. A Venturi Injector draws ozone gas together with air and disperses it into the water as millions of fine microbubbles. These microbubbles provide a large contact surface area, enabling ozone to react quickly with dissolved organic compounds, harmful bacteria, viruses, and other contaminants.





Key Benefits

- Efficient ozone transfer into water
- Uniform ozone distribution throughout the filtration system
- Enhanced oxidation and disinfection
- Improved water clarity and quality
- Reduction of organic waste, odor, and harmful pathogens
- Better fish health and system performance
- Safe and reliable operation with residual ozone destruction
- Ideal for RAS, aquaculture, koi ponds, and marine water treatment systems

OZONE CONTACT SKID UNIT

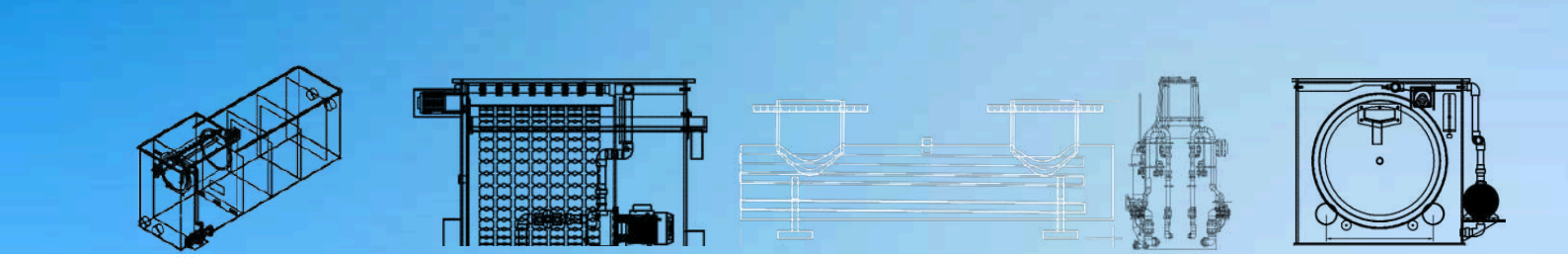


Technical Perameters

MODEL	OCSU 10-20	OCSU 20-35	OCSU 50-75	OCSU 110-125	OCSU 150-175	OCSU 200-250
Tank Diameter (MM)	740	850	1100	1400	1600	1950
Ozone Dosing (g/h)	10-20	20-30	50-75	100-125	150-175	200-250
Inlet (MM)	50*1	63*1	110*1	110*1	160*1	200*1
Outlet (MM)	50*1	63*1	90*1	110*1	160*1	200*1
Tank Height	1450	1495	1600	1700	2100	2150
Mixing System	Static Mixer Venturi Injector	Static Mixer Venturi Injector	Static Mixer Venturi Injector	Static Mixer Venturi Injector	Static Mixer Venturi Injector	Static Mixer Venturi Injector
Working Pressure Bar	2-7	2-7	2-7	2-7	2-7	2-7
Power Consumption	2.4	3.7	5.8	6.9	7.10	12.15

The models shown above are only for reference, customization can be done as per the requirement.

NOTES



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