



Aquaculture Equipment Catalog

2025 / 2026 Edition

System designer and products manufacturer for:

- **Recirculating Aquaculture Systems (RAS)**
 - Aquarium and Oceanarium
 - Lake and Pond Culture
 - Aquaponics

Supplied by Ecotao Enterprises cc

Cape Town, South Africa

Contact us for pricing and availability

Radial Flow Settler

The Radial Flow Settler (RFS) is a passive, gravity-fed pre-filtration device for particle removal from system effluent flows. RFS units remove up to 85% of settleable solids from aquaculture effluent flows and provide approximately twice the TSS removal efficiency of swirl separators of identical size and surface-loading rate.



Model	Weir Dia (mm)	Launder Dia (mm)	Height (mm)	Water Inlet (mm)	Water Outlet (mm)	Solid Outlet (mm)	Capacity (m ³ /h)
RFS008	110	200	1050	20	25	20	0.1
RFS015	160	250	1100	20	25	20	0.2
RFS018	200	315	1150	20	25	20	0.3
RFS021	250	428	1150	25	32	25	0.5
RFS025	315	493	1200	25	32	32	0.8
RFS030	350	528	1250	25	32	32	1.0
RFS035	400	578	1350	25	32	32	1.3
RFS040	460	638	1380	32	40	32	1.7
RFS045	550	762	1400	40	50	32	2.4

Model	Weir Dia (mm)	Launder Dia (mm)	Height (mm)	Water Inlet (mm)	Water Outlet (mm)	Solid Outlet (mm)	Capacity (m³/h)
RFS050	650	862	1480	50	63	50	3.4
RFS065	760	972	1550	63	75	50	4.6
RFS070	850	1062	1550	75	90	50	5.8
RFS075	950	1162	1700	90	110	63	7.2
RFS080	1100	1312	1800	90	110	63	9.7
RFS090	1200	1484	1910	90	110	63	11.5
RFS100	1300	1584	2050	110	160	63	13.5
RFS110	1500	1784	2120	110	160	63	18
RFS130	1830	2184	2340	110	160	63	26.8

Note: The radial flow settler can be customised according to the size of fish tanks. Contact us for pricing.

Drum Filter

The drum filter is a pressureless system physically removing solids, debris or fibres from 30 microns and larger out of process water. Self-cleaning functionality with a large filtration surface guarantees high flow capacity from 20 m³ up to 1,000 m³ per hour. Tanks are made of stainless steel (304, 316L) or plastic (PVC, PP) for use in fresh or salt water.



Model	Housing	Mesh (µm)	Flow (m³/h)	Inlet/Outlet	Style	Motor kW	Pump kW	Dims (mm)	Water
PP80005	PP	80	5~7	Φ63/63	Pipe	0.06	0.25	58×62×67	Fresh, salt
PP80010	PP	80	10~15	Φ75/75	Pipe	0.06	0.25	78×62×67	Fresh, salt
PP80020	PP	80	20~25	Φ110/110	Pipe	0.09	0.37	78×75×76	Fresh, salt
PP80030	PP	80	30	Φ110/110	Pipe	0.09	0.37	93×75×76	Fresh, salt
PP80050	PP	80	45~55	Φ160/160	Pipe	0.12	0.45	102×95×95	Fresh, salt
PP80060	PP	80	60	Φ160/160	Pipe	0.12	0.6	110×95×95	Fresh, salt
PP80080	PP	80	80	Φ200/200	Pipe	0.12	0.6	110×120×120	Fresh, salt
PP80100	PP	80	100	Φ200/200	Pipe	0.18	0.75	130×120×120	Fresh, salt
PP80120	PP	80	120	Φ250/250	Pipe	0.18	0.90	150×120×120	Fresh, salt
PO80150	SS304/316	80	150	/	Open	0.2	1.5	212×125×135	Fresh, salt
PO80200	SS304/316	80	200	/	Open	0.2	1.5	190×140×150	Fresh, salt
PO80250	SS304/316	80	250	/	Open	0.3	2.2	210×140×150	Fresh, salt
PO80300	SS304/316	80	300	/	Open	0.3	2.2	240×140×150	Fresh, salt
PO80400	SS304/316	80	400	/	Open	0.55	2.2	240×170×180	Fresh, salt
PO80500	SS304/316	80	500	/	Open	0.55	3	270×170×180	Fresh, salt
SS80600	SS304/316	80	600	/	Open	0.75	3	310×170×180	Fresh water

Protein Skimmer

The protein skimmer removes suspended and dissolved waste from fish tanks by means of air flotation. Protein skimming is essentially a perpetual backwash filter that reduces biological oxygen demand, enhances oxygenation, and removes biodegradable organic carbon and bacteria. The addition of a small dose of ozone further enhances coagulative and disinfectant properties.



Model	Specs (Φ×H mm)	Flow (m ³ /h)	Inlet/Outlet/Height (mm)	Power (kW)
PS005	Φ400×1400	5	Φ50/63 500/500	0.09
PS010	Φ400×1800	10	Φ50/75 600/600	0.16
PS020	Φ550×1800	20	Φ63/90 600/600	0.37
PS025	Φ600×1800	25	Φ63/110 1600/1460	0.55
PS030	Φ650×2000	30	Φ63/110 1850/1650	0.75
PS050	Φ800×2400	50	Φ75/160 2350/2200	1.1
PS055	Φ850×2500	55	Φ110/160 1550/1400	1.5
PS060	Φ900×2500	60	Φ110/160 1850/1700	1.5
PS080	Φ950×2600	80	Φ160/200 2350/2200	1.5
PS090	Φ1000×2800	90	Φ160/200 1730/1560	1.85
PS100	Φ1000×3200	100	Φ160/200 2180/2040	1.85
PS200	Φ1500×3300	200	Φ160×2/200×2 1730/1560	3.7
PS300	Φ1700×3300	300	Φ160×3/200×3 1730/1560	4.4

Bio Filter (Fluidised Bed)

Fluidised bed bio filters are flooded cylinders or tanks partially filled with plastic bean bio media. The large numbers of bacteria colonising this expanded media remove nutrients from the flowing water. All of the filter's large surface area (40–1,200 m²/m³) is available for bacterial growth.



Model	Size (cm)	Flow (m ³ /h)	Media (m ³)	Wattage (kW)	Water Outlet (mm)
FBF010	Φ70×240	10	0.6	0.09	75
FBF020	Φ95×240	20	1.1	0.19	110
FBF030	Φ120×240	30	1.7	0.29	140
FBF040	Φ130×240	40	2.2	0.38	140
FBF050	Φ150×240	50	2.8	0.48	160
FBF060	Φ165×240	60	3.3	0.57	160
FBF070	Φ165×270	70	3.9	0.67	200
FBF080	Φ175×270	80	4.4	0.76	200
FBF090	Φ185×270	90	5.0	0.85	200
FBF100	Φ195×270	100	5.5	1.00	250

Note: Bio filter can be customised according to fish farm size and layout.

De-gassing Tower



Also called bio-tower or fixed film biological filter tower. Carbon dioxide must be removed from recirculating aquaculture systems; this tower performs CO₂ removal via counter-current airflow while simultaneously oxygenating the water as it trickles down the media. Output: CO₂ <5 mg/L, DO >8 mg/L.

Model	Size (cm)	Flow (m ³ /h)	Media (m ³)	Wattage (W)	CO ₂ Out	DO Out
DGO002	Φ35×200	2	0.1	22	<5mg/L	>8mg/L
DGO006	Φ50×250	6	0.3	85	<5mg/L	>8mg/L
DGO016	Φ70×300	16	0.8	120	<5mg/L	>8mg/L
DGO027	Φ90×300	27	1.3	240	<5mg/L	>8mg/L
DGO040	Φ110×300	40	1.9	400	<5mg/L	>8mg/L
DGO060	Φ120×350	60	2.8	500	<5mg/L	>8mg/L
DGO090	Φ150×350	90	4.4	750	<5mg/L	>8mg/L
DGO120	Φ170×350	120	5.7	1100	<5mg/L	>8mg/L
DGO180	Φ190×400	180	8.5	1500	<5mg/L	>8mg/L

Sand Filter

Durable, anti-corrosive, UV-resistant mechanical filters suitable for many weather conditions. Available in top-mount, side-mount, deep-bed, and horizontal styles. Manual or automatic backwash. Flow rates from 6 m³/h to 250 m³/h and above. Note: Quartz sand cost is not included (export from China is restricted). Valve units are included in pricing.



Vertical – Top Open (Small)

Model	Size (mm)	Valve	Filter Area (m²)	Flow (m³/h)	Quartz (kg)
M16	Φ400×740	1.5"/50	0.13	6	30
M18	Φ450×800	1.5"/50	0.16	8	40
M21	Φ550×840	1.5"/50	0.23	12	85
M25	Φ650×960	1.5"/50	0.33	16	155
M28	Φ700×1025	1.5"/50	0.38	19	210
M28B	Φ700×1025	2"/63	0.38	19	210
M32	Φ800×1200	2"/63	0.50	25	250
M36	Φ900×1300	2"/63	0.64	30	350
M40	Φ1000×1400	2"/63	0.79	33	600
M44	Φ1100×1480	2"/63	0.98	38	900
M48	Φ1200×1600	2"/63	1.13	42	1150
M56	Φ1400×1850	2"/63	1.54	57	1800

Vertical – Side Open (Large)

Model	Size (mm)	Valve	Filter Area (m²)	Flow (m³/h)	Quartz (kg)
F1200	Φ1200×1400	3"/90	1.13	52	1200
F1400	Φ1400×1650	4"/110	1.54	69	1900
F1600	Φ1600×1800	4"/110	2.00	80	2600
F1800	Φ1800×1900	5"/140	2.70	125	3600
F2000	Φ2000×2000	6"/160	3.14	157	5100
F2300	Φ2300×2200	8"/200	4.30	217	7600
F2500	Φ2500×2300	10"/250	4.90	250	9200

Horizontal

Model	Size (mm)	Valve	Filter Area (m²)	Flow (m³/h)	Quartz (kg)
B1200-2.3	Φ1200×2300	4"/110	2.7	98	1750
B1200-3	Φ1200×2500	4"/110	3.3	147	2325
B1400-2.5	Φ1400×2500	4"/110	3.1	124	2825
B1400-3	Φ1400×3000	6"/160	3.8	173	3456
B1400-4	Φ1400×4000	6"/160	4.6	222	4800
B1600-2.5	Φ1600×2500	6"/160	3.5	101	3875
B1600-3.0	Φ1600×3000	6"/160	4.3	178	4750
B1600-4.0	Φ1600×4000	8"/200	5.1	261	6270
B1800-3.0	Φ1800×3000	6"/160	4.6	137	5925
B1800-3.5	Φ1800×3500	8"/200	5.4	162	7000
B1800-4.0	Φ1800×4000	8"/200	6.3	187	8075

Model	Size (mm)	Valve	Filter Area (m ²)	Flow (m ³ /h)	Quartz (kg)
B2000-3.5	Φ2000×3500	8"/200	6.3	187	9475
B2000-4.0	Φ2000×4000	8"/200	7.2	216	10925
B2000-4.5	Φ2000×5000	8"/200	8.2	243	12375

Bio Media

MBBR plastic bean bio media for fluidised bed bio filters. Density 0.94–1.02 g/cm³; specific area up to 3,500 m²/m³. BOD₅ oxidation 2,500–15,000 gBOD₅/m³/d; nitrification 500–1,400 gNH₃-N/m³/d.



Size (mm)	Colour	Density (g/cm ³)	Specific Area (m ² /m ³)	Dosing Ratio (%)	Nitrification Eff.
Φ25×12	White	0.96~0.98	>500	15~65	400~1200
Φ16×10	White	0.96~0.98	>800	15~67	400~1200
Φ25×4	White	0.96~0.98	>1200	15~65	500~1400
Φ10×10	White	0.96~0.98	>1200	15~70	400~1200
Φ5×10	White	1.00~1.04	>3500	15~70	500~1400

Bio Block



Structured filter media (PE material) proven highly efficient in biological treatment of aquaculture process water. Net tubes welded together into square blocks create optimal conditions for bacteria.

Model	SSA (m ² /m ³)	Area of Flow	Void %	Outer Tube Dia.	Standard Module
DM-0808-70	80	70%	95%	67.5mm	54×54×55cm
DM-1010-55	100	67%	89%	55mm	55×55×55cm

Bio Ball



Chemical-corrosion-resistant bio balls (PE/PP/RPP/PVC/CPVC/PVDF). Ideal media for CO₂ degassers, pond bio filters, and wastewater treatment.

Size	Specific Surface (m ² /m ³)	Voidage (m ³ /m ³)	Bulk No. (n/m ³)	Bulk Density (kg/m ³)	Packing Factor (m ⁻¹)
Φ76	150	0.92	3,000	70	193
Φ50	236	0.90	11,500	90	324
Φ38	325	0.87	32,000	105	494
Φ25	460	0.84	85,000	115	776

UV Sterilizer

UV sterilizers permit water to pass 360° around the germicidal lamp. UV energy disrupts the DNA of microorganisms, preventing multiplication. Non-chemical, no residue. Available submersible, float, flow-through, or open channel. Housing: stainless steel or UPVC. Flow range: 1–600 m³/h.



Model	Material	Flow (m³/h)	Power (W)	Inlet/Outlet (mm)	Pressure (MPa)
FTP001	PVC	1	20×1	25	0.3
FTP002	PVC	2	40×1	25	0.3
FTP006	PVC	6	80×1	32	0.3
FTP008	PVC	8	80×2	50	0.3
FTP020	PVC	20	80×4	63	0.3
FTP030	PVC	30	80×5	75	0.3
FTP040	PVC	40	80×6	75	0.3
FTP045	PVC	45	80×7	90	0.3
FTP050	PVC	50	80×8	90	0.3
FTP060	PVC	60	150×5	110	0.3
FTP070	PVC	70	150×6	140	0.3
FTP080	PVC	80	150×7	140	0.3
FTP100	PVC	100	150×8	160	0.3
FTP120	PVC	120	150×10	160	0.3
FTP150	PVC	150	150×12	200	0.3
FTP200	PVC	200	150×16	200	0.3
FTP300	PVC	300	150×24	250	0.3
FTP500	PVC	500	150×40	315	0.3
FTP600	PVC	600	150×48	315	0.3

Note: UV sterilizers can be customised in style (submersible, float, flow-through, open channel) and specifications. Contact us for options.

Ozone Generator

Ozone (O₃) is an excellent oxidising agent to break down accumulated colloidal solids, refractory organics, and nitrite. Widely used to sterilise RAS effluent water against bacterial, viral, fungal, and protozoan fish pathogens. All units use SS304 casing.



Air Source (15~20 mg/L)

Model	Casing	V/W	O ₃ Output (g/h)	Gas Source	O ₃ Conc.	Cooling
OZ-02-5A	SS304	220/120	5	air	15~20	air
OZ-05-10A	SS304	220/350	10	air	15~20	air
OZ-05-15A	SS304	220/300	15	air	15~20	air
OZ-05-20A	SS304	220/280	20	air	15~20	water
OZ-08-30A	SS304	220/400	30	air	15~20	water
OZ-10-50A	SS304	220/750	50	air	15~20	water
OZ-12-80A	SS304	220/1000	80	air	15~20	water
OZ-13-100A	SS304	220/1140	100	air	15~20	water
OZ-14-150A	SS304	220/1500	150	air	15~20	water
OZ-15-200A	SS304	220/2000	200	air	15~20	water
OZ-16-300A	SS304	380/3000	300	air	15~20	water
OZ-17-500A	SS304	380/4500	500	air	15~20	water

Oxygen Source (50~80 mg/L)

Model	Casing	V/W	O ₃ Output (g/h)	Gas Source	O ₃ Conc.	Cooling
OZ-01-10	SS304	220/680	10	oxygen	50~80	air
OZ-02-15	SS304	220/780	15	oxygen	50~80	air
OZ-02-20	SS304	220/850	20	oxygen	50~80	air
OZ-03-30	SS304	220/950	30	oxygen	50~80	water
OZ-04-40	SS304	220/620	40	oxygen	50~80	water
OZ-04-50	SS304	220/650	50	oxygen	50~80	water
OZ-04-60	SS304	220/700	60	oxygen	50~80	water
OZ-05-80	SS304	220/800	80	oxygen	50~80	water
OZ-06-100	SS304	220/950	100	oxygen	50~80	water
OZ-07-150	SS304	220/1750	150	oxygen	50~80	water
OZ-08-200	SS304	220/2150	200	oxygen	50~80	water
OZ-09-300	SS304	380/3000	300	oxygen	50~80	water
OZ-10-400	SS304	380/4000	400	oxygen	50~80	water
OZ-11-500	SS304	380/4500	500	oxygen	50~80	water
OZ-12-600	SS304	380/5000	600	oxygen	50~80	water

Oxygen Generator

High-pressure pure oxygen generator ($\geq 90\%$ purity, ≥ 0.2 MPa) specially designed to work with pure oxygen diffusers. Energy-saving for deep water culture aquaponics systems or high-density recirculating aquaculture systems.



Model	O ₂ Output (L/min)	O ₂ Purity	O ₂ Pressure (MPa)	Power	Dimensions (cm)
OX-005	5	$\geq 90\%$	≥ 0.2	220V, 0.6kW	45×45×120
OX-010	10	$\geq 90\%$	≥ 0.2	220V, 0.8kW	45×45×120
OX-020	20	$\geq 90\%$	≥ 0.2	220V, 1.2kW	75×45×120
OX-030	30	$\geq 90\%$	≥ 0.2	220V, 1.8kW	75×45×120
OX-040	40	$\geq 90\%$	≥ 0.2	220V, 2.4kW	120×45×108
OX-050	50	$\geq 90\%$	≥ 0.2	220V, 3.0kW	120×45×108
OX-080	80	$\geq 90\%$	≥ 0.2	220V, 5.6kW	90×120×120
OX-100	100	$\geq 90\%$	≥ 0.2	220V, 7.0kW	90×120×120

Pure Oxygen Diffuser



Micro-bubble pure oxygen diffuser with 1~2 micron micropores generating 0.1~0.5mm bubbles. No metal parts, anti-corrosion, anti-UV. Suitable for fresh/salt water. Simply connect to oxygen generator or tank — no additional hydraulic or electric devices required.

Model	Shape	Size (mm)	Aeration Area (cm ²)	Air Inlet (mm)	Pressure (MPa)	RCD O ₂ (LPM)	Max O ₂ (LPM)
LZC30320	Column	Φ30×320	180	5	>0.15	2	12
LZP3501	Bar	350×115	186	5	>0.15	3	9

Oxygen Cone

FRG oxygen cones mix oxygen into water with up to 95% saturation efficiency. Water and oxygen enter the top at high speed; the stream pushes bubbles down until they completely dissolve. For RAS recirculation systems.



Model	Material	Size (mm)	Inlet/Outlet (mm)	O ₂ Mix (L/min)	Water Flow (m ³ /h)
AC060	FRG	Φ500×1400	75	2.3~4.6	8~16
AC080	FRG	Φ600×1730	90	4.9~9.6	17~33
AC100	FRG	Φ860×2130	110	9.8~17	34~59
AC125	FRG	Φ1000×2720	140	18.8~31.6	65~109
AC150	FRG	Φ1200×3230	160	23.2~37.7	80~130
AC200	FRG	Φ1830×4040	200	36.2~58	125~200

Oxygen Saturator

Oxygen/ozone saturators feature 100% gas absorbing capability. Water and gas enter the column top; velocity reduces with increasing diameter, allowing undissolved bubbles to float. No bubbles escape — the most efficient gas-liquid mixing method for aquaculture aeration or wastewater treatment.



Model	O ₂ Flow (L/min)	Water Flow (m ³ /h)	Height (mm)	Inlet/Outlet (mm)
OS10	0.5~0.8	1.8~2.7	1442	20
OS18	1~1.6	3.4~5.7	1575	25
OS35	2.4~4.3	7.9~14.8	2184	50
OS75	4.3~6	14.8~20	2286	50
OS110	6~8.6	20~30	2286	63
OS160	8.6~13	30~45	2286	90

Heat Pump

The heat pump transforms electric energy into thermal energy and pumps energy from ambient air, achieving COP up to 4.5 — ideal thermostat for large aquaculture water bodies. Titanium heat exchanger for salt water compatibility. Refrigerant: R407c/R410a (pollution-free).



Model	Chilling (kW)	Heating (kW)	Compressor (kW)	In/Out (in)	Dimensions (mm)
BBX1PH	2.4	2.4	0.75	1	66×44×45
BBX1.5PH	3.6	3.7	1.12	1	66×44×45
BBX2PH	4.8	4.9	1.5	1	66×44×45
BBX3PH	7.5	7.6	2.2	1	76×44×53
BBX4PH	9.6	9.8	3	1	80×46×60
BBX5PH	12	12.2	3.7	1.5	75×75×108
BBX7PH	16.6	17	5.2	1.5	140×37×130
BBX10PH	35	26	7.5	2	147×75×106
LZ10	26	33	4.5×2	1.5	1400×750×1400
LZ12	31	40	9	2	1600×800×1600
LZ15	39	49	12	2	1600×800×1650
LZ20	50	65	7.5×2	2.0	1850×1000×2200
LZ25	65	82	9×2	2.5	2100×1100×2300

Ring Blower (Vortex Blower)



Vortex blowers for air supply to farming pools, air pressure 0.1–2.0 kgf/cm², air output 0.8–450 m³/min, service life >5 years. Used with nanotube bottom aeration systems for energy-saving DO improvement.

Model	Voltage	Wattage (kW)	Inlet Dia.	Max Pressure (mmAq)	Max Air Flow (m ³ /min)
RB10S	220V	0.75	1.5"×1.5"	1400	2.0
RB15S	220V	1.1	1.5"×1.5"	1600	2.6
RB20S	220V	1.5	2"×2"	2000	3.9
RB30S	220V	2.2	2"×2"	2600	5.3
RB10	380V	0.75	1.5"×1.5"	1400	2.0
RB15	380V	1.1	1.5"×1.5"	1600	2.6
RB20	380V	1.5	2"×2"	2000	3.9
RB30	380V	2.2	2"×2"	2600	5.3
RB50	380V	3.7	2"×2"	2800	6.5
RB50A	380V	4.0	2.5"×2.5"	2800	7.5
RB50B	380V	4.0	2.5"×2.5"	3200	8.0
RB75	380V	5.5	2.5"×2.5"	3200	10.0
RB100	380V	7.5	3"×3"	4400	12.5
RB150	380V	11	4"×4"	3600	18.0
RB200	380V	15	4"×4"	4300	23.0
RB260	380V	19.5	4"×4"	5200	28.0
RB300	380V	22.5	4"×4"	6200	32.0

Pond Aerators

Injector Aerator



Propeller-driven, creates negative pressure to suck and mix air through a hollow shaft. Generates tiny bubbles; no paddles that might injure fish. Suitable for high-density ponds.

Model	Power	Voltage	Impeller RPM	Capacity
LSZY1.1	1.1kW	380V/50Hz	2800 r/min	≥0.9 kgO ₂ /h
LSZY1.5	1.5kW	380V/50Hz	2800 r/min	≥0.9 kgO ₂ /h
LSZY2.2	2.2kW	380V/50Hz	2800 r/min	≥0.9 kgO ₂ /h

Impeller Aerator



Three floating balls support the motor; cone-shaped paddle creates hydraulic splash to blow out NH₃, CO₂, CH₄, and H₂S. For ponds 1.5–3m depth.

Model	Power	Voltage	Impeller	Capacity	Suit Area
YL-1.5	1.5kW	380V/50Hz	Plastic/Steel	1.8 kgO ₂ /h	26–40 are
YL-2.2	2.2kW	380V/50Hz	Plastic/Steel	1.8 kgO ₂ /h	40–53 are
YL-3.0	3.0kW	380V/50Hz	Plastic/Steel	1.8 kgO ₂ /h	53–80 are

Paddlewheel Aerator



Equivalent paddles on both sides create stable directional flow. Stainless steel and ABS — especially suitable for salt water aquaculture. For ponds <1.5m depth.

Model	Power	Voltage	Paddle Qty	Capacity
YC-0.75	0.75kW	380V	2	≥1.1 kgO ₂ /h
YC-1.5	1.5kW	380V	4	≥1.4 kgO ₂ /h
YC-2.2	2.2kW	380V	6	≥1.9 kgO ₂ /h

Float Pump / Fountain Pump



Model	Type	Power	Voltage	Lift	Suit Area	Flow Rate
FS-0.75	Spray	0.75kW	220V/50Hz	6m	300 m ²	55 m ³ /min
FS-1.1	Spray	1.1kW	220/380V	7m	600 m ²	45 m ³ /min
FS-2.2	Spray	2.2kW	220/380V	6m	1200 m ²	80 m ³ /min

Surge Wave Aerator



Model	Power	Voltage	RPM	Suit Area
SW-0.75	0.75kW	380V/50Hz	1400	20~27 are
SW-1.1	1.1kW	380V/50Hz	1400	27~40 are
SW-1.5	1.5kW	380V/50Hz	1400	40~53 are
SW-2.2	2.2kW	380V/50Hz	1400	53~60 are

Fish Culture Tanks

FRP (Fiberglass) Fish Culture Tank



Indoor GRP tanks, painted and polished, with elevated legs for bottom-centre drainage. Customised sizes and alternative materials (PE, PP) available.

Material	Shape	Form	Diameter (mm)	Height (mm)	Volume (m³)
Fiberglass	Round	One piece	800	1000	0.5
Fiberglass	Round	One piece	1500	1000	1.8
Fiberglass	Round	One piece	1500	1200	2.1
Fiberglass	Round	One piece	2000	750	2.3
Fiberglass	Round	One piece	2000	1000	3.1
Fiberglass	Round	One piece	2000	1200	3.8
Fiberglass	Round	Sectional	3000	1000	7.0
Fiberglass	Round	Sectional	4000	1000	12.6

PP Fish Culture Tank



Food-grade PP aquaculture tanks in circular or rectangular shapes. Customisable sizes from startup to large-scale commercial farms.

Material	Shape	Form	Diameter (m)	Height (m)	Volume (m³)
PP	Round	One piece	0.78	0.9	0.4
PP	Round	One piece	0.95	1.0	0.6
PP	Round	One piece	1.0	1.1	0.7
PP	Round	One piece	1.2	1.1	1.0
PP	Round	One piece	1.55	1.2	1.7
PP	Round	One piece	1.8	1.2	2.3
PP	Round	One piece	1.9	1.2	3.2
PP	Round	One piece	2.0	1.2	3.8
PP	Round	One piece	2.2	1.2	4.2

Galvanized Metal Tank (Steel + Canvas)



Galvanised metal sheet and canvas construction. Faster and lower-cost than cement tanks; no need for hardened earth. Suitable for indoor and outdoor large fish farms.

Model	Diameter (m)	Height (m)	Volume (m³)
GSC0312-8	3	1.15	8
GSC0412-14	4	1.15	14
GSC0512-22	5	1.15	22
GSC0612-32	6	1.15	32
GSC0712-44	7	1.15	44
GSC0812-57	8	1.15	57
GSC0912-73	9	1.15	73
GSC1012-90	10	1.15	90
GSC1112-109	11	1.15	109
GSC1212-130	12	1.15	130
GSC0315-10	3	1.45	10
GSC0415-17	4	1.45	17
GSC0515-27	5	1.45	27
GSC0615-39	6	1.45	39
GSC0715-55	7	1.45	55
GSC0815-70	8	1.45	70
GSC0915-89	9	1.45	89
GSC1015-109	10	1.45	109
GSC1115-137	11	1.45	137
GSC1215-164	12	1.45	164
GSC1315-185	13	1.45	185
GSC1415-215	14	1.45	215
GSC1515-247	15	1.45	247

Modularised Thermostat Fish Tank (EPS)

EPS modular tanks assembled on-site, then filled with steel and cement. Excellent thermal insulation — keeps water at constant temperature. Ideal for cold areas.



Model	Shape	Diameter	Min. Volume
MIFT-R02	Round	2m	>4 m³
MIFT-R04	Round	4m	>15 m³
MIFT-R06	Round	6m	>35 m³
MIFT-R08	Round	8m	>60 m³
MIFT-R10	Round	10m	>100 m³
MIFT-O4	Octagon	4m	>14 m³
MIFT-O6	Octagon	6m	>25 m³
MIFT-O8	Octagon	8m	>45 m³
MIFT-O10	Octagon	10m	>70 m³
MIFT-O12	Octagon	12m	>100 m³
MIFT-O14	Octagon	14m	>140 m³
MIFT-O16	Octagon	16m	>180 m³
MIFT-O18	Octagon	18m	>230 m³
MIFT-O20	Octagon	20m	>300 m³

Fish Toilet / Eco Trap Centre Drain



Model	Size (mm)	Type	Stand Pipe (mm)	Bottom Drain (mm)
DD-110/110	Φ422×210	Dual drain	110	110
DD-160/75	Φ422×220	Dual drain	160	75
DD-160/110	Φ422×220	Dual drain	110	160
DD-200/110	Φ685×270	Dual drain	110	200
OF-50	Φ285×160	Overflow	75	—
OF-75	Φ285×160	Overflow	75	—
OF-110	Φ285×180	Overflow	110	—
OF-160	Φ290×240	Overflow	160	—
OF-200	Φ420×250	Overflow	200	—
BD-50	Φ285×160	Bottom drain	—	50
BD-75	Φ285×160	Bottom drain	—	75
BD-110	Φ290×175	Bottom drain	—	110
BD-160	Φ290×237	Bottom drain	—	160
BD-200	Φ420×250	Bottom drain	—	200

Automatic Fish Feeder

Small Tank Feeder



Designed for closed tank culture, aquaponics and koi ponds. Up to 17 on/off groups; transparent feed cabinet; compact, solar-compatible; 360° spread option.

Model	Wattage	Diameter (mm)	Height (mm)	Feed Tank (L)	Capacity (kg/h)
FF15	8W	160mm	280~480	4~8 L	20 kg/h
FF20	8W	200mm	480~680	9~16 L	20 kg/h
FF25	8W	250mm	600~800	20~30 L	20 kg/h
FF40	8W	400mm	600~800	40~60 L	20 kg/h

Shore-Based Automatic Feeder



Rainstorm-proof, moisture-proof, dust-proof, lightning-proof. Frequency-controlled motor; 8 groups/24h timer. Stops automatically 3 minutes after feed is empty.

Model	Voltage	Wattage	Motor RPM	Feed Rate	Feed Area	Tank	Timer
STLZ-135CTM	220V/50Hz	135W	200~1400 r/min	300 kg/h	3~300 m ²	80 kg	8 grps/24h
STLZ-135CTM-Y3	220V/50Hz	135W	200~1400 r/min	300 kg/h	3~300 m ²	120 kg	8 grps/24h
STLZ-180CTM	220V/50Hz	180W	200~2800 r/min	500 kg/h	5~500 m ²	80 kg	8 grps/24h
STLZ-180CTM-Y3	220V/50Hz	180W	200~2800 r/min	500 kg/h	5~500 m ²	120 kg	8 grps/24h

Fish Egg Hatchery System



Recirculating system including transparent fish egg hatchery jars with domed bottoms and an integrated bio filtration system (bio tank, media, water heater, air pump, circulation pump, UV steriliser). Provides aseptic, oxygen-rich, appropriate pH and temperature conditions.

Model	Jar Size (mm)	Jar Qty	Total Vol (L)	Eggs Loaded	Filter Size (mm)	Dimensions (mm)
FEHJ-220-10	Dia.220×400	10	140	>100,000	75×40×50	1150×700×800

Fish Egg Incubation Tanks (PP)



Diameter (mm)	Height (mm)	Volume (L)	Eggs Loaded
400	1000	33	>10,000
500	1000	51	>18,000
600	1000	74	>25,000
700	1000	100	>35,000
800	1000	131	>45,000
900	1000	165	>60,000
1000	1000	204	>75,000

Artemia Hatchery Cone

Brine shrimp hatchery vessels ideal for hatching brine shrimp eggs, culturing rotifers and live copepods. Conical clear acrylic design aids egg suspension for maximum hatching efficiency.



Acrylic Artemia Hatchery Cone

Model	Material	Size (cm)	Volume (L)
AL02	Acrylic	15×15×23	2
AL05	Acrylic	20×20×32	5
AL08	Acrylic	25×25×39	8
AL10	Acrylic	26×26×40	10
AL15	Acrylic	29×29×46	15
AL20	Acrylic	32×32×50	20
AL30	Acrylic	37×37×60	30
AL40	Acrylic	40×40×66	40

Fiberglass Artemia Hatchery Cone

Model	Jar Size (cm)	Volume (m³)	Accessories
FAC015	Φ60×85	0.15	Stand, air pump, air stone, air tube, check valve, water heater, lighting, sifter
FAC050	Φ100×112	0.5	(same)
FAC100	Φ120×115	1.0	(same)

Algae Cultivation Column



Fully controllable acrylic photobioreactor columns (10–2,000 L) with LED back lighting, aeration mixing, and various inlet/outlet/sensor ports. Low mechanical shear with excellent turbulence and mass transfer.

Column (mm×pcs)	Capacity (L)	Density (cell/mL)
Φ110×1000×10	100	6×10 ⁶
Φ140×1000×10	150	6×10 ⁶
Φ160×1000×10	200	6×10 ⁶
Φ200×1000×10	300	6×10 ⁶
Φ250×1000×10	500	6×10 ⁶
Φ400×1000×10	1200	6×10 ⁶
Φ500×1000×10	2000	6×10 ⁶

Live Fish Transportation

Live Fingerlings Transport Tank



Food-grade plastic with PU filling for constant temperature during transport. Oxygen supplied from cylinder and battery-powered DC air pump. Optional ice bag cooling.

Model	Material	Volume	Loading Capacity	Transport Time
LTM030	PE/PU	30L	>800 fingerlings	>12h
LTM050	PE/PU	50L	>1200 fingerlings	>12h
LTM080	PE/PU	80L	>2000 fingerlings	>12h
LTM100	PE/PU	100L	>2500 fingerlings	>12h
LTM170	PE/PU	180L	>4200 fingerlings	>12h

Small Live Fish Transport Tank



Model	Size (cm)	Volume	Capacity	Transport Time
LFTM0300	100×77×66cm	300L	>100 kg	>12h
LFTM0460	113×93.5×45cm	460L	>150 kg	>12h
LFTM0600	113×93.5×61cm	600L	>200 kg	>12h
LFTM1000	149×115×102cm	1000L	>350 kg	>12h

Long Haul Live Fish Transport Tank

Custom-built to fit delivery trucks. Water conditioning devices (air pump, air diffuser, oxygen cylinder/diffuser, water filter, water chiller, protein skimmer, generator) included as required.



Model	Size (cm)	Loading Capacity	Transport Time
LTH001	132×132×85cm	>300 kg	>5 days
LTH002	265×132×85cm	>600 kg	>5 days
LTH003	400×140×85cm	>1000 kg	>5 days
LTH005	500×178×85cm	>1600 kg	>5 days
LTH008	790×178×85cm	>2600 kg	>5 days
LTH010	990×178×85cm	>3000 kg	>5 days

Fish Pumps

Vacuum Fish Pump



Suitable for fish harvesting, lifting fish to grading machines or loading transport tanks. Fish up to 5 kg / 16 t/h handled without injury via dual vacuum tanks. 0.6 m² separator with 8mm grid separates fish from water.

Model	Mode	Vacuum Tank	Tank Vol.	Inlet/Outlet	Suction/Lift	Flow Rate	Power
D150-160	Continuous	Ø0.8m×1.2m×2	0.6 m ³	DN150	4m/3m	40~60 m ³ /h	15kW
D250-300	Continuous	Ø1.0m×1.5m×2	1.2 m ³	DN250	4m/3m	100~120 m ³ /h	36kW

Centrifugal Fish Pump



Self-priming, variable-speed pump on handcart. Low-speed 'runner' impeller avoids physical injury to fish. Suitable for land-based hatchery, RAS, and ocean farm operations (bathing, transfer, harvesting).

Model	Inlet/Outlet	Power (W)	Capacity (m ³ /h)	Suction (m)	Pumping (m)	Max Fish (g)
CFP-4	4"	3~5.5 + 0.81	110~170	3	7	300
CFP-6	6"	3~7.5 + 0.81	180~330	3	7	600
CFP-8	8"	15~18.5 + 1.5	450~550	3	7	1300
CFP-10	10"	18.5~22 + 1.5	600~760	3	7	2400



Aluminium and stainless steel graders for salmon, rainbow trout, and many other species. V-shaped channels with moving plastic fingers sort fish by thickness into 3 grades. Fish kept wet throughout. 380V/50Hz motor (230V on request).

Model	Tracks	Grades	Track Adjust.	Outlets	Fish Size	Sort Speed	Wattage
LFG-A-4-3	4	3	0~28mm	3×5"	5~100g	0.5 t/h	0.25kW
LFG-B-3-3	3	3	5~40mm	3×6"	10~600g	4 t/h	0.55kW
LFG-C-3-3	3	3	10~60mm	3×8"	30~1000g	8 t/h	0.75kW
LFG-D-4-3	4	3	15~80mm	3×10"	50~2200g	15 t/h	1.1kW
LFG-E-4-3	4	3	30~120mm	3×12"	200~2400g	20 t/h	1.1kW

Manual Fish Sorter

ABS manual sorter (Ø56×30cm). Available grating sizes: 3, 4, 5, 6, 8, 10, 12, 14, 17, 20, 23, 24, 26, 28, 35mm.

Fish Counter

Optical fish counters with >99% accuracy suitable for trout, sturgeon, salmon, cod, snapper, seabass, croaker, tilapia, carp, catfish, and soft-shelled turtle.

Model	Fish Size (g)	Count Speed	Voltage	Wattage	Accuracy	Dimensions (mm)
FC-G5	5~100g	200k/h (5g)	AC 220V	120W	>99%	1400×650×900mm
FC-G6	10~600g	150k/h (10g)	AC 220V	120W	>99%	1400×700×1000mm
FC-G8	30~1000g	50k/h (30g)	AC 220V	200W	>99%	1500×800×1100mm
FC-G10	50~2200g	30k/h (50g)	AC 220V	200W	>99%	1500×900×1200mm

Fry / Shrimp Counter



Model	Fish/Shrimp Size	Count Capacity (3cm fry)	Suitable Species
G4 MIN	0.7~5cm	200,000/h	Ornamental fish, shrimp, small fish
G4	0.7~10cm	300,000/h	Shrimp, larva, grouper, sea bass, trout, loach
G9	2~20cm	300,000/h	Shrimp, larva, grouper, sea bass, trout, loach

High-Accuracy Counter (CM Series)

Model	Fish Size	Count Speed	Accuracy	Display	Wattage
CM200	1~15cm	300,000/h	>99.5%	7" LCD	13W
CE300	2~20cm	300,000/h	>99.5%	7" LCD	200W
CF500	2~30cm	500,000/h	>99.5%	7" LCD	200W

Fish Tank / Pond Bottom Cleaner

Sucks waste (diameter <25mm): mud, fish faeces, rotten leaves, small rocks, weeds. Available as small tank cleaner or shore-based unit with filtration (sand or bag filter) to return cleaned water to the pond.



Voltage	Wattage	Flow Rate (m³/h)	Lift (m)	Drain Length (m)	Cable (m)
110/220V	250W	9	5	6	12

Shore-Based Pond Cleaner

Voltage	Wattage (kW)	Cable (m)	Suction Hose (m)	Sucker/Brush (in)	Handle (m)	Drain Hose (m)
220V/50Hz	1.5	15	15	14/18	5	2
220V/50Hz	1.5	15	15	14/18	6	2
220V/50Hz	2.2	15	30	19/18	7	2
220V/50Hz	2.2	15	30	19/18	8	2
220V/50Hz	3	15	30	22/24	9	2
220V/50Hz	3	15	30	25/36	9	2

Water Quality Instruments

Pocket Water Testers



Model	Parameter	Range	Accuracy	Resolution
ORP20	ORP	-999~999mV	±2mV	1mV
pH30S	pH	0.0~14.0pH	±0.1pH	0.1pH
DO10	DO	0.0~20.0mg/L	±0.5mg/L	0.1mg/L
SAL20	Salinity	0.00~80.00ppt	±1% F.S	0.01ppt

Portable Multiparameter Water Quality Meter (Model 900P)



8 measurement modes: pH ($\pm 0.002\text{pH}$), ORP ($\pm 0.2\text{mV}$), Salinity ($\pm 1\%$ F.S), DO ($\pm 0.2\text{mg/L}$), Temperature ($\pm 0.5^\circ\text{C}$). Ion concentration, conductivity, TDS, and resistivity also measurable.

Portable NO₃, NH₄, NH₃ & Turbidity Meter



Model	Parameter	Range	Accuracy	Resolution
321-NO3	NO ₃	0.4~62,000 ppm	±0.5% F.S	0.001~1
321-NH4	NH ₄	0.1~18,000 ppm	±0.5% F.S	0.001~1
321-NH3	NH ₃	0.02~17,000 ppm	±1% F.S	0.001~1
TB100	Turbidity	0~1,100 NTU/FNU	±2%, ±3%	0.01~1

Multi-function On-line Water Quality Monitor

Integrated controller covering DO, Temp, ORP, pH, salinity, conductivity, turbidity, water level, and flow rate. Live LCD display, historical data storage, alarm function, remote computer connection, wireless data transfer, SMS alerts. Automates control of pumps, blowers, dosing pumps, and heaters. Available in custom parameter combinations.



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