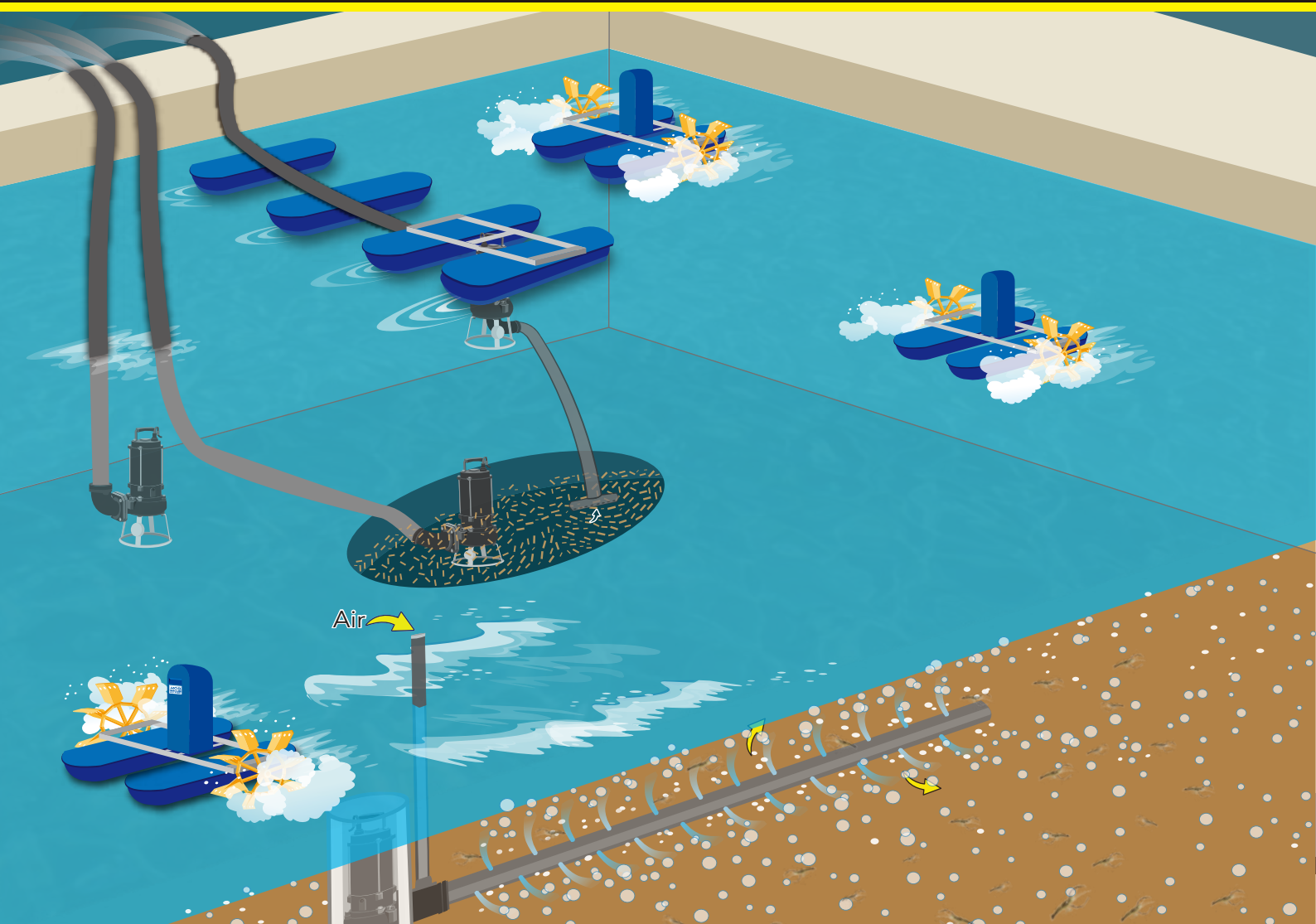


FN-A1 50Hz & 60Hz SERIES
MULTI-FUNCTIONAL AQUATIC PUMPS

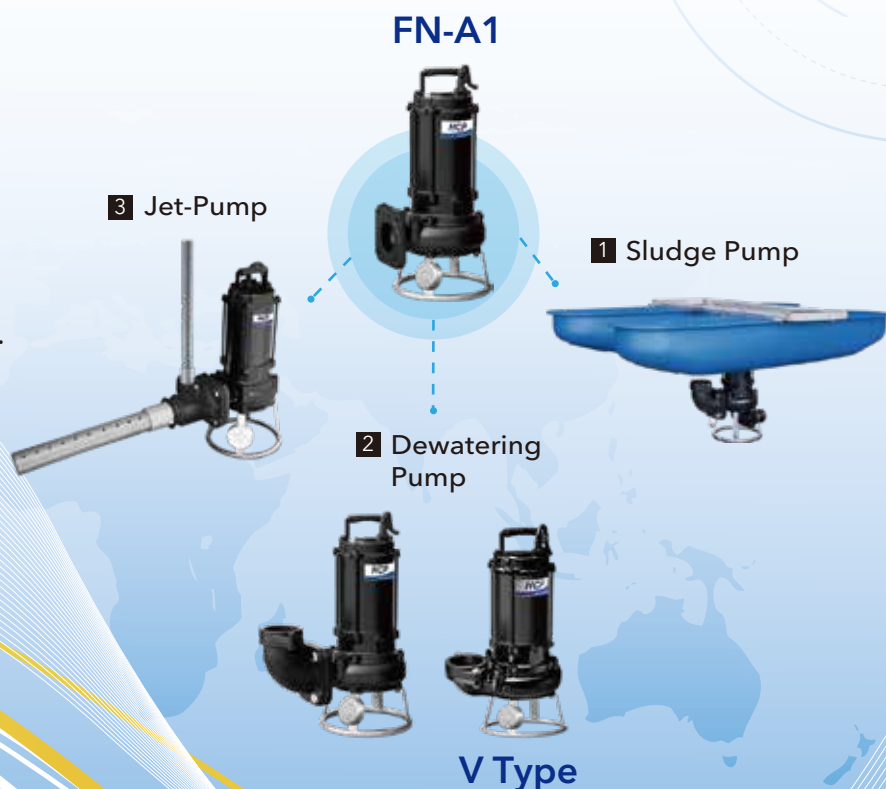
"Quality Water for Quality Shrimp"

is an invariant culture. It is essential to provide quality living environment for quality and successful high density Shrimp farming needs. To reduce the risk of disease and increase productivities of Shrimp farming.



Solution for Water

Multi-Functional HCP pump design for improving intensive aquaculture water conditions and best environment for growing of quality shrimps and fishes.



FN-A1 SERIES

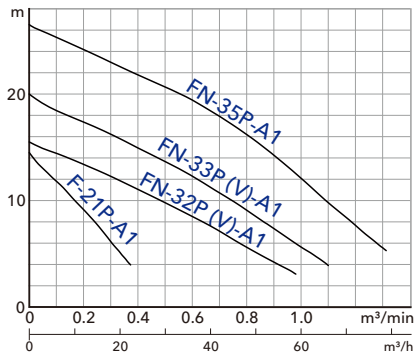
SUBMERSIBLE DEWATERING PUMPS

▼ Standard

▼ V Type

Direct submerge in Aquaculture pond for drainage manure, sediments from sludge pit (Shrimps toilet) at center of ponds. Pump can be use for water and brackish water supply for Aquaculture needs.

PERFORMANCE CURVES



P Type Open Impeller



Impeller standard SUS316



PERFORMANCE SPECS.

Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Head m	Standard		Solid Passage mm	Weight kg
						m³/min	m³/h		
F-21P-A1	1(0.75)	2" (50)	1	Capacitor	9	0.2	12	26	19
			3	DOL				26	18
FN-32P-A1	2 (1.5)	3" (80)	1	Capacitor	8.5	0.6	36	35	34
			3	DOL				35	30
FN-33P-A1	3 (2.2)	3" (80)	1	Capacitor	12	0.6	36	35	37
			3	DOL				35	32
FN-35P-A1	5 (3.7)	3" (80)	3	DOL	19	0.6	36	35	35
FN-32P V-A1	2 (1.5)	3" (80)	1	Capacitor	8.5	0.6	36	35	34
			3	DOL				35	30
FN-33P V-A1	3 (2.2)	3" (80)	1	Capacitor	12	0.6	36	35	37
			3	DOL				35	32

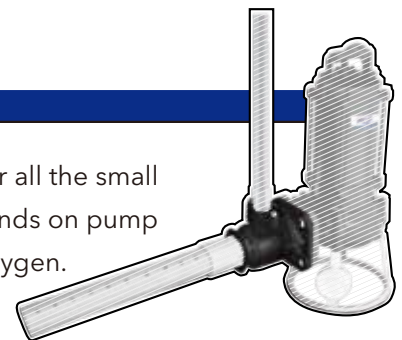
ACCESSORIES

Elbow Kits	Weight kg	Applicable Pump
EB3-130	5	2~3HP
EB3-150A	12	5HP
EB4-150A	14	5HP

+ J SERIES JET PUMPS

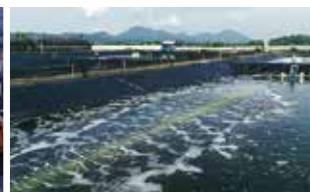
Pumping water through a high velocity jet nozzle to create air suction and transfer all the small air bubbles underwater aeration pipe. With maximum length 8~12m (which depends on pump type) and depth 1.2m, the aeration pipe greatly increases the level of dissolved-oxygen.

* The V type is not compatible with the J series accessories.



ACCESSORIES

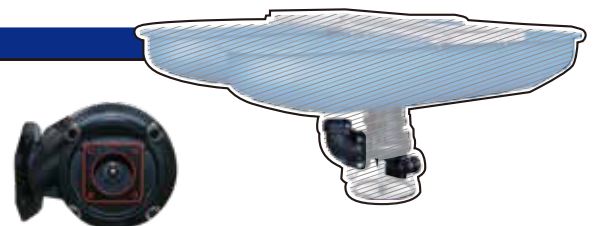
Air Inlet Kits	Weight kg	Applicable Pump
J-1 1/4 B-2"	5	2~5HP



+ W SERIES FLOATING SLUDGE PUMPS

Floating Sludge suction pump design to removing manure and sediments from sludge pit (Shrimps toilet) or ponds bottom.

* The V type is not compatible with the W series accessories.

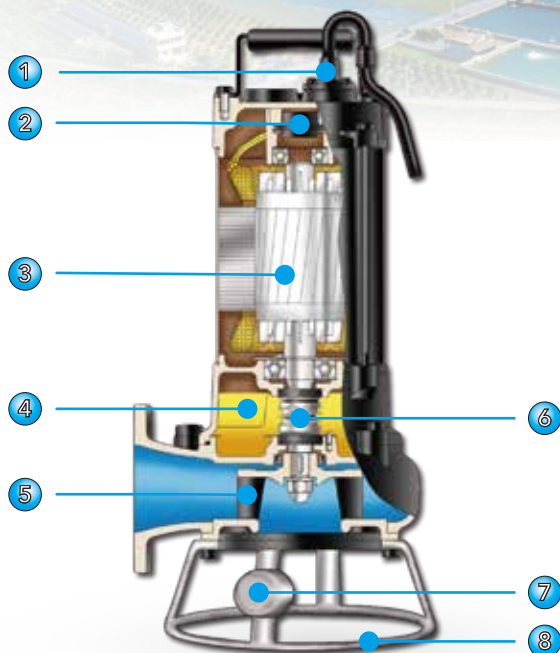


ACCESSORIES

Sludge Pump Kits	Weight kg	Applicable Pump
W-2	3	1HP
W-3/3	8	2~5HP



FN-A1 Series Aquaculture Design



SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	General Wastewater Sewage and Drainage Water
Type	Frequency	50Hz / 60Hz
	Motor	2P (50Hz : 3000rpm / 60Hz : 3600rpm) • Dry Motor
	Insulation	Class B(1HP) • Class F(2~5HP)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Open
Material	Outer Cover	FC200 / GG-20 / ASTM-30
	Motor Frame	SUS304 / X5CrNi18-10 / AISI 304
	Shaft End	SUS410 / X10Cr13 / ASTM 410 (1HP) • SUS403 / X5Cr13 / ASTM 403 (2~5HP)
	M.seal	CA / CE & SiC / SiC
	Casing	FC200 / GG-20 / ASTM-30
	Impeller	FC200 / GG-20 / ASTM-30 (1HP) • SUS316 / X5CrNiMo17-12-2 / AISI 316 (2~5HP)
	Footing	SUS304 / X5CrNi18-10 / AISI 304
	Anode	Aluminum
	Cable	VCT or H07RN-F or SJOW/SOW
Optional		Pumps can be customized to fit specifications

PRODUCT FEATURES



① Epoxy Cable Base

An epoxy resin seal cable base prevents moisture from entering the motor through the core wires.



② Auto-cut Protector

Automatic On/Off motor protector to prevent motor burn out due to high temperature and excess amperage draw.



③ High Efficiency Dry Motors

All stator coils are treated with insulating vanish procedures to achieve the best insulation, efficiency and durability.



④ Food Grade Lubricant

Eco - friendly Food Grade Lubricant to keep aquaculture applications a toxic free environment.



⑤ P Type Open Impeller

Open impeller SUS316(Single or Two Vanes) design. Impeller is excellent touse for waste materials to prevent clogging.



⑥ Double Mechanical Seals

Superior abrasion resistant mechanical seal is manufactured with silicon carbide to ensure the best seal effect.



⑦ Aluminum Anode Protection

Aluminum anode provided extra protection for pump against brackish / sea water corrosion, and effectively extend the life expectancy of the pump.



⑧ Footing

Damage free stainless steel footing, suitable for all kind aquaculture pond liners.



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