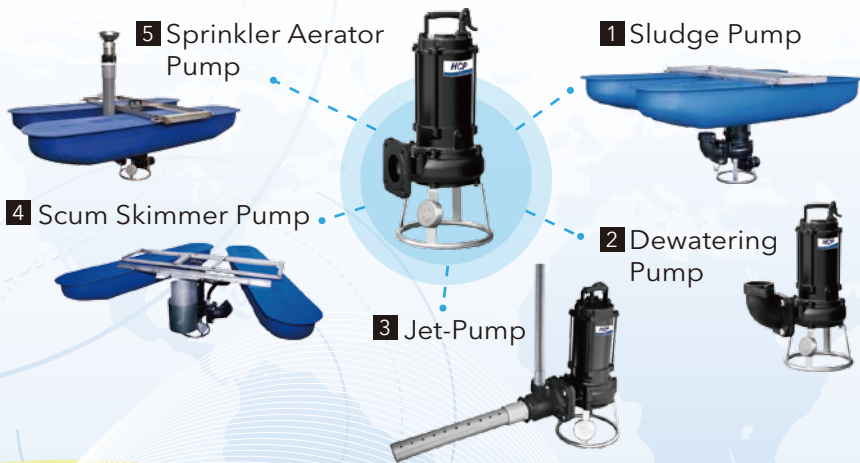
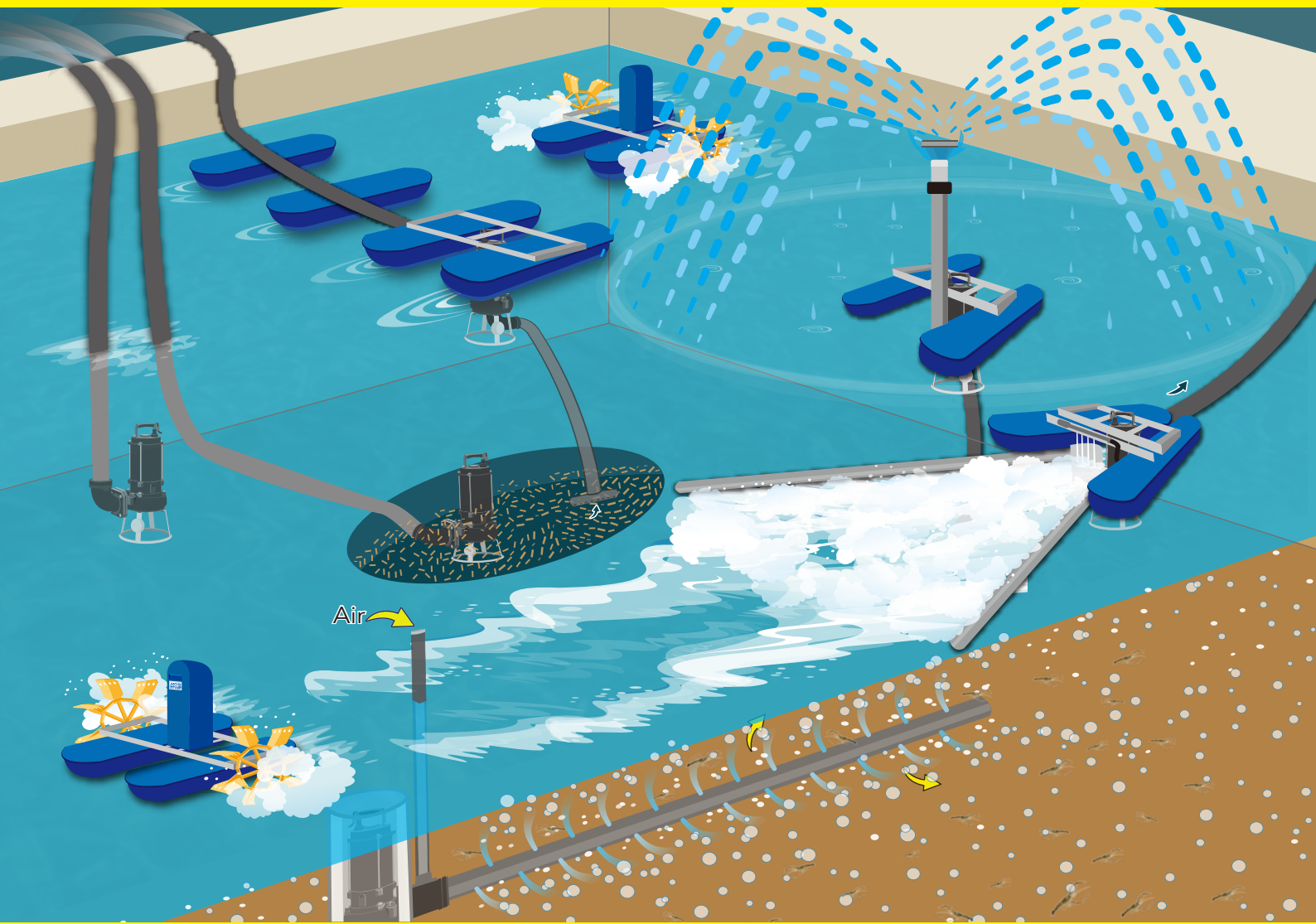


F/FN-A1 50Hz&60Hz
SERIES
MULTI-FUNCTIONAL AQUATIC PUMPS

"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.

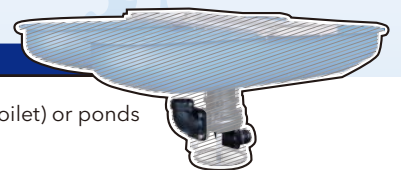


Solution for Water

5-in-1 HCP pump design for improving intensive aquaculture water conditions and best environment for growing of quality shrimps and fishes.

+W SERIES FLOATING SLUDGE PUMPS

Patented Floating Sludge suction pump design to removing manure and sediments from sludge pit (Shrimps toilet) or ponds bottom. ※ Taiwanese Patent No. M457082. All Rights Reserved.



ACCESSORIES

Sludge Pump Kits	Weight kg	Applicable Pump
W-2	3	1HP
W-3/3	8	2~5HP
Floating Kits	Weight kg	Applicable Pump
F-PE2-W	-	1~5HP



F/FN-A1 SERIES

SUBMERSIBLE DEWATERING PUMPS

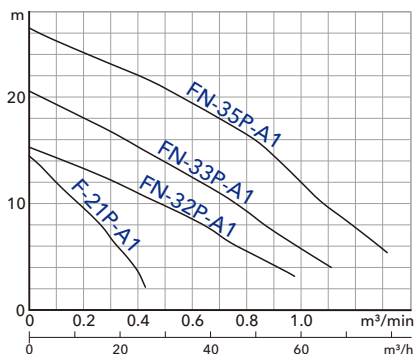
Direct submerge in Aquaculture pond for drainage manure, sediments from sludge pit (Shrimps toilet) at center of ponds. Pump can be use for water and brackish water supply for Aquaculture needs.



ACCESSORIES

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

PERFORMANCE CURVES



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)	3	Capacitor DOL	9	0.2	12	26	19
									18
FN-32P-A1	2 (1.5)	3" (80)	3	Capacitor DOL	8.5	0.6	36	35	34
									30
FN-33P-A1	3 (2.2)	3" (80)	3	Capacitor DOL	12	0.6	36	35	37
									32
FN-35P-A1	5 (3.7)	3" (80)	3	DOL	19	0.6	36	35	35

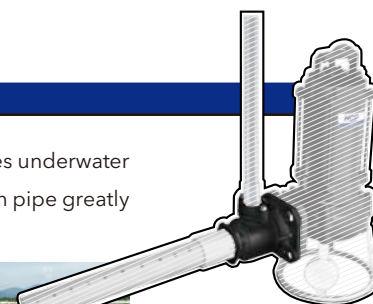
+ J SERIES

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.

ACCESSORIES

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



+ S SERIES

SCUM SKIMMER PUMPS

High collecting capability Scum skimmer with water jet design, to eliminated and removing unwanted foam or viscous substances on the water surface. ※ Taiwanese Patent No. M530032.All Rights Reserved.

ACCESSORIES

Scum Skimmer Kits	Weight kg	Applicable Pump
S-2/2 Tank	7	1HP
S-3/2 Tank	15	2~5HP
Floating Kits	Weight kg	Applicable Pump
F-PE2-S	22	1~5HP



+ NZ SERIES

SPRINKLER AERATOR PUMPS

Patented Sprinkler Aerator pump design to enhance the water quality in aquaculture environment. The high velocity water jet is propelled from nozzle creating fine droplets and maximizing air contact before fall back into a large surface. With continuous diffusion of oxygen in the water, it will increase the oxygenation rate and reduce accumulation of undesirable substances in pond bottom. ※ Taiwanese Patent No. M575959. All Rights Reserved.



Model	Output HP(kW)	Nozzle height cm	Sprinkler diameter m*	Sprinkler height m*	Circulating water volume(m³/min*)
FN-32P-A1	2 (1.5)	1.5	11	2.7	0.8
FN-33P-A1	3 (2.2)	1.5	12	3.0	1.0
FN-35P-A1	5 (3.7)	1.5	13	3.3	1.2

※For reference only.

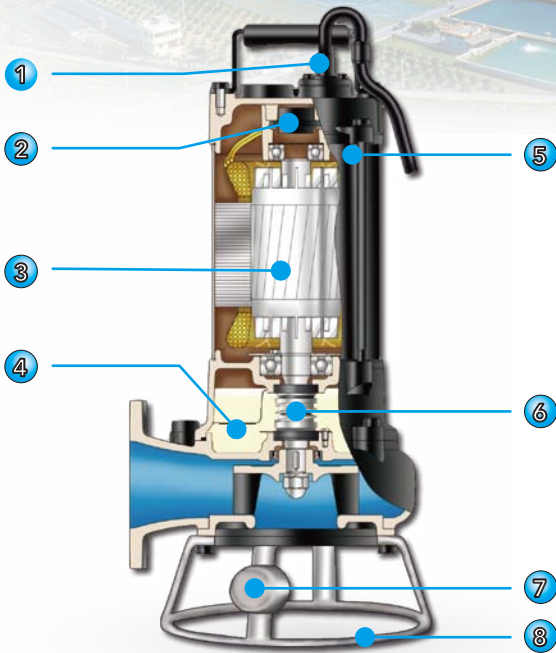


ACCESSORIES

Water Sprinkler	Weight kg	Applicable Pump
NZ3"	1	2~5HP
Floating Kits	Weight kg	Applicable Pump
F-PE2-W	-	2~5HP

F/FN-A1 Series Aquaculture Design

SPECIFICATIONS



Item		Description
Limits of Use	Liquid Temp.	0~40°C
	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
	Motor Frame	SUS304
	Shaft End	SUS410 (1HP) · SUS403 (2~5HP)
	M.seal	CA / CE & SiC / SiC
	Casing	FC200
	Impeller	FC200
	footing	SUS304
Cable	VCT or H07RN-F or 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.



⑤ High Solids Epoxy Coating

100µm High Solids Epoxy Coating with anti-brasion properties provides excellent resistance to chemicals and brine water.



② Auto-cut Protector

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



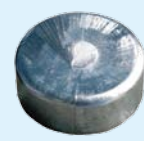
⑥ Double Mechanical Seals

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



③ High Efficiency Dry Motors

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



⑦ Sacrificial Anode Protection

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



④ Food Grade Lubricant

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



⑧ Footing

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



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