

# PP Series

## Submersible Pump

make future flow  
เทคโนโลยีเครื่องสูบน้ำกับอนาคตที่สดใส



# PP Series Residue Dewatering Pump



50 Hz

Power : 120 W

Head : 9 M

Max Capacity : 130 L/min

Outlet inlet : 20/25 mm



PP-120

## Product Features

- The application of special weather-proof pp mix fiberglass resin for housing ensures long lasting durability and glossy color, exhibits excellent durability under sunlight and prevents from corrosion.
- Adopt professional control switch utilizing silicon controlled rectifier (SCR).
- Adopt Italy imported mechanical seal and oil seal to make double waterproof protection.
- Large carrying handle gets your hold easily.

## Application

- Suitable for clean water.
- Household use watering in the garden landscape, washing car, draining water from basement, maintenance of ponds and cleaning boats and marine equipment.
- Water supply and disposal, water circulation and water change for crop farming, forestry and fishery use.
- Flooding in the basement, laundry room, office building toilet water basin tank drainage, other drain water or transfer water, etc.

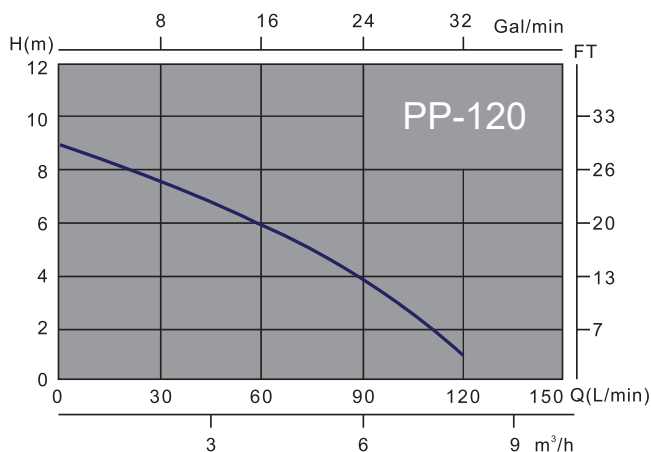


cast-iron motor casing with electrophoretic coating



Oil Chamber Lubrication Italy Mechanical Seal Long Life

Pumping Fluid	Type of Fluid	Clean Water
	Fluid Temperature	0~40°C
Pump	Impeller	Semi-vortex Nylon and Fiberglass
	Shaft Seal	Italy Mechanical Seal+Oil Seal, Silicon Carbide
	Casing	PP and Fiberglass
	Bearing	Deep Groove Ball Bearings
Motor	Type, Pole	Dry Type Submersible Induction Motor, 2-pole
	Insulation	Class B
	Phase / Voltage	Single / 220V~240V
	Starting Method	Capacitor Run
	Protection Device (Build-in)	Repeatable Thermal Protector
	Lubricant	Turbine Oil VG32
	Shaft	Stainless Steel
	Cable	5m PVC or Rubber



MODEL	Power Watt w	Outlet inlet mm	Phase	Voltage/ Frequency V/hz	Polarity P	Max Capacity L/min	Max Head m	Weight kg	Max Solids mm
PP-120	120	20/25	1	220V / 50Hz	2	130	9	4.2	5

# PP Series (Sea water use) Submersible Pump

50 Hz

Power : 250 ~ 400 W

Head : 10 M

Max flow : 330 L/min

Weight : 6.4 – 9 Kg.



PP-400S



PP-400SF



PP-250S



PP-250SF

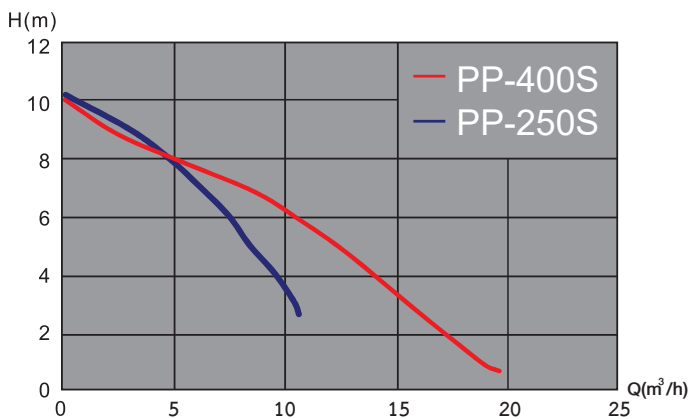
The PP-Series is a submersible portable pump designed for handling seawater. It is made of 316 Stainless steel motor frame. Which has a corrosion resistance against seawater, it is suitable for various applications where seawater is used.

## Product Features

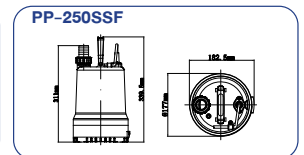
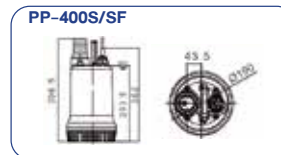
- The application of compact and non-corrosive reinforced housing.
- Adopt Italy mechanical seal for waterproof protection.
- Built-in motor thermal overload protector.
- PP-250S/400S - "S" has a stainless steel 316 frame, which can be used in fresh water, fish pond, and circulation.

## Application

- Suitable for sea fish breeding: aquaculture sites and marine equipment.
- Apply for circulate water in garden ponds, sprinkler for vegetation of park.
- Ideal for drainage of flat surfaces: basement, cellar, garages, pools.
- To drain the accumulated water for civil and architecture engineering.



SUS316



MODEL	Power Watt w	Discharge Inch(mm)	Phase	Voltage	Start Method	Standard		Max		Solid Passage mm	Weight kg
						m	L/min	m	L/min		
PP-250S	1/3 (250)	1.25"-1.5"	1	220	Capacitor	6.5	100	10.5	180	<5mm	6.4
PP-400S	1/2 (400)	2" (50)	1	220	Capacitor	5	170	10	330	<2mm	9

# PPH Series (Sea water use) Residue Dewatering Pump



**50 Hz**  
**Power** : 135  
**Head** : 6 M  
**Flow** : 55 L/min  
**Phase** : 1



**PPH-100**

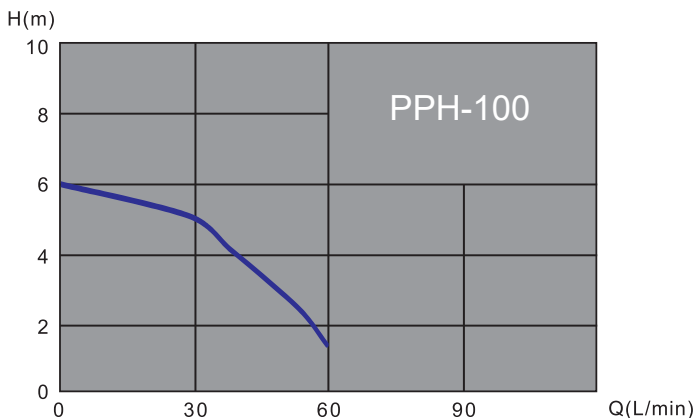
## Product Features

- **LOW WATER LEVEL SURFACE PUMP**
- Easy to handle with a self-priming pump.
- Compact, lightweight and high performance.
- Low noise operating.
- Overload breaker can protect the motor from being burned.
- Reverse-flow prevention.
- Supplied with sucker can drain residual water from the ground or pool etc.

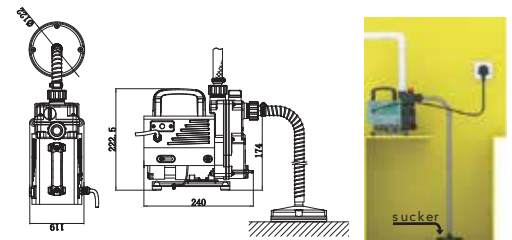
## Application

- Sprinkling water to the garden and plants.
- Draining water down to floor level.
- Pumping pooled water from shallow recesses using the suction attachment.
- Transfer water wherever need.

<b>Pumping Fluid</b>	Type of Fluid	Natural Water
	Fluid Temperature	0~40°C (Without freezing)
<b>Structure</b>	Impeller	Semi-open
	Shaft Seal	Mechanical Seal
	Bearing	Ball Bearings
<b>Material</b>	Casing	Plastic
	Impeller	Plastic
<b>Motor</b>	Shaft	Stainless Steel
	Power	1 Phase - 100V, 220V
	Pole	2 Pole



Accessories	Coupling 16.8mm	Coupling 25mm	Hose clamp 16-25mm	Gasket	Nut	Sucker	Suction hose 1.8m
HPP-100	●	●●	●	●●	●●	●	●



MODEL	Power Watt w	Outlet inlet mm	Phase	Voltage/ Frequency V/hz	Polarity P	Max Capacity L/min	Max Head m	Weight kg	Max Solids mm
PPH-100	135	25	1	220V / 50Hz	2	55	6	5.2	1

# PPL Series (Sea water use) Submersible Pump



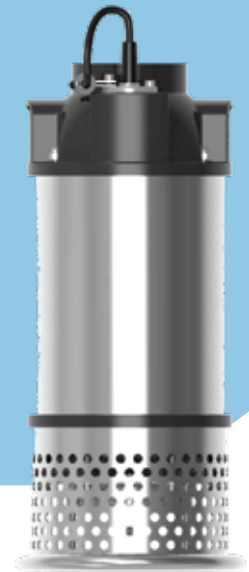
**50 Hz**

**Power : 250 W**

**Head : 3.2 M**

**Flow : 0.66 m<sup>3</sup>/min**

**Weight : 11.2 kg**



**PPL-250S**

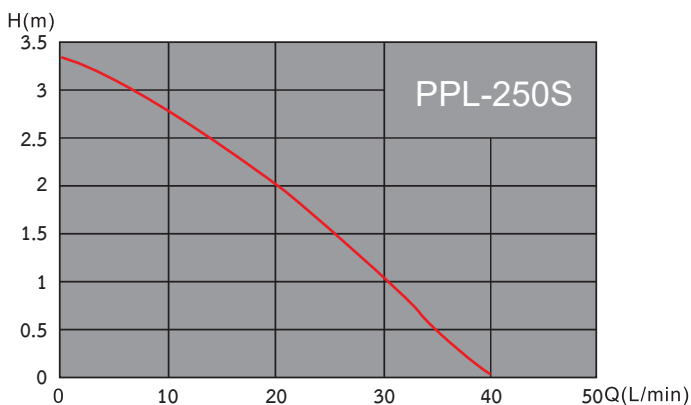
## Product Features

- **Axial Flow Design** : Adopt axial flow impeller to meet low pump head and large water volume capacity.
- **SUS316 Motor Casing and Motor Shaft** : Ensure excellent anti-corrosion and wear-resistance performance in sea water.
- **Italy Imported Dual Mechanical Seal** : Provide better protection for pump motor in long-term operation.
- **Special Sand Protective Cover Design** : Prevent sand particles being brought into mechanical seal form motor shaft, so as to better protect the mechanical seal and prolong the service life of the pump.
- **Quality Filling Epoxy Cable Wires** : Raise humidity-resistance.
- **Robust Construction and Compact Cylindrical Design** : Durable and offer flexibility in confined space.

## Application

- Suitable for clean water, sea water, river water and agricultural water.
- Water circulation for oxygen replenishing, water supply and drainage in fishpond.
- Agriculture Irrigation, Water circulation in gardening.
- Water supply and reconstruction of water pipelines and bypass water pipelines, and other large water volume discharge projects.

Pumping Fluid	Type of Fluid	Clean Water and Sea Water
	Fluid Temperature	0~40°C
Pump	Impeller	Stainless Steel
	Shaft Seal	Italy Double Face Mechanical Seal
	Casing	Stainless Steel
	Bearing	Deep Groove Ball Bearings
Motor	Type, Pole	Dry Type Submersible Induction Motor, 2-pole
	Insulation	Class B
	Phase / Voltage	Single / 220V~240V
	Starting Method	Capacitor Run
	Protection Device (Build-in)	Repeatable Thermal Protector
	Lubricant	Turbine Oil VG32
	Shaft	Stainless Steel
Cable	5m Rubber	



MODEL	Discharge Bore mm	Power Watt W	Voltage/ Frequency V/hz	Max Head m	Max Capacity m <sup>3</sup> /min	Net Weight kg	Dimension mm			C.W.I mm W1
							d	D	H	
PPL-250S	75	250	220V / 50Hz	3.2	0.66	11.2	75	194	424	200



# PPL Series Submersible Pump

50 Hz

Power : 150 ~ 400 W

Head : 3.2 M

Flow : 0.47 ~ 0.8 m<sup>3</sup>/min

Weight : 10.7 ~ 25 kg



PPL-150/250

PPL-400

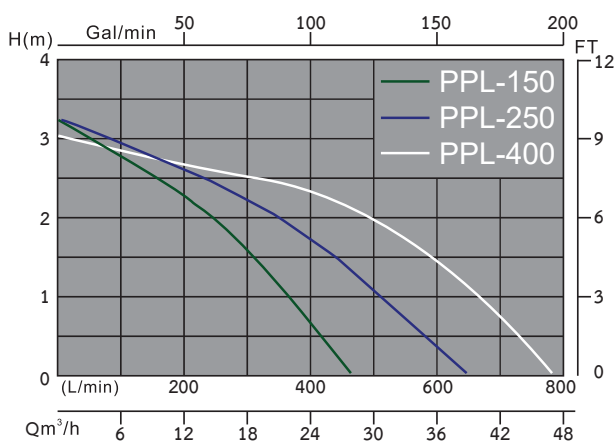
Pumping Fluid	Type of Fluid	Clean Water and Sea Water
	Fluid Temperature	0~40°C
Pump	Impeller	Stainless Steel
	Shaft Seal	75MPA:Double face Mechanical seal + OilSeal 100MP:Double face Mechanical seal
	Casing	Stainless Steel
	Bearing	Deep Groove Ball Bearings
Motor	Type, Pole	Dry Type Submersible Induction Motor, 2-pole
	Insulation	Class B
	Phase / Voltage	Single / 220V~240V
	Starting Method	Capacitor Run
	Protection Device (Build-in)	Repeatable Thermal Protector
	Lubricant	Turbine Oil VG32
	Shaft	Stainless Steel
	Cable	5m Rubber

## Product Features

- Axial flow impeller make a low head and large water flow capacity performance.
- Italy imported mechanical seal to ensure the pump seal performance.
- Stainless steel impeller, motor head and housing.
- Cable wires are upgraded by filling epoxy to raise humidity-resistance.
- Simple structure and stainless steel pump housing, compact cylindrical design.

## Application

- Suitable for clean water, salt water, agricultural water.
- Water circulation for oxygen replenishing and water supply and water supply and drainage in fishponds.
- Alteration and other large water pipe water emissions, construction use for large water disposal.
- The bypass pipe conveying water.
- Drainage of large water volumes with improvement work for irrigation ditches etc.



MODEL	Discharge Bore mm	Power Watt W	Voltage / Frequency V/hz	Max Head m	Max Capacity m <sup>3</sup> /min	Net Weight kg	Length of Cable m	Dimension mm			C.W.I mm W1
								d	D	H	
PPL-150	75	150	220V / 50Hz	3.2	0.47	10.7	5	75	194	424	110
PPL-250	75	250	220V / 50Hz	3.2	0.66	11.2	5	75	194	424	110
PPL-400	100	400	220V / 50Hz	3	0.8	25	5	100	250	483	180



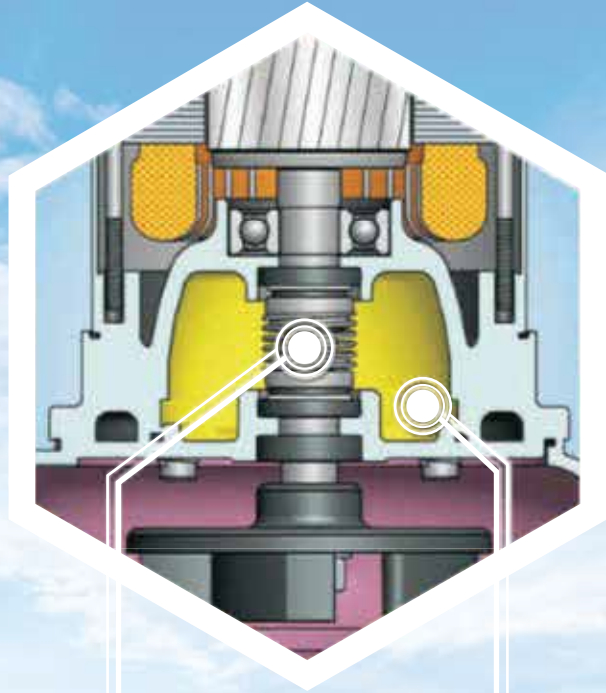
Flowpower

# Plug and Drain Emergency Kit

RESIDENTIAL SUMP PUMP ≈ HOUSE ≈ CONNECTIONS



Flowpower



Build-in  
Repeatable  
**Thermal  
Protector**

**ITALY**  
Mechanical  
Seal

**Oil**  
Chamber  
Lubrication

24 Hours  
**Running  
Motor**

**10% Low  
Voltage**  
Start Up



Flowpower



MAX FLOW



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