

SSP-Series

Stainless Steel Submersible Pump



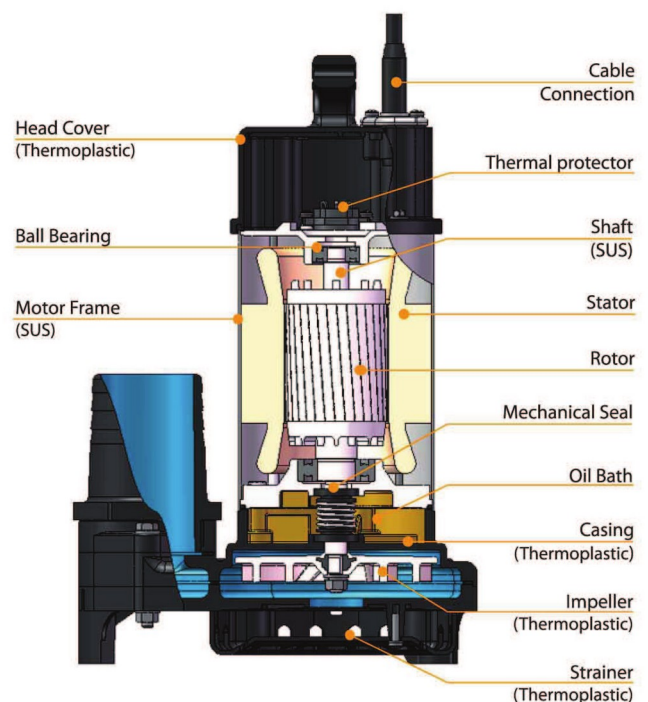
Special Features

- High starting-torque motor.
- High-grade stainless steel & engineering plastic for high corrosive resistance and lighter weight compare with cast iron.
- Build-in automatic thermal protector to protect motor from burning even when impeller is being locked.
- Equipped with double mechanical seal, ceramic-carbon and silicon carbide sealing surfaces.
- With float switch model, pump will stop automatically at low water level to protect from dry running.

Specifications

Item		Description	
Liquid temp.		0 ~ 40 °C (32~104 °F)	
Applications		Waste water and Effluent	
Pump sect.	Structure	Impeller	Semi-open Type
		Shaft Seal	Double Mechanical Seal with Oil Chamber
		Lubricant	Turbine Oil (ISO VG32)
	Material	Casing	Fiber-reinforced Plastic
		Impeller	Fiber-reinforced Plastic
		M. Seal	SiC/SiC + Ceramic/Carbon
Motor sect.	Motor		Dry Type Submersible Induction Motor (IP68) 2P, Insulation Class F
	Supply		1Ø, 220-230V, 50Hz 3Ø, 380-415V, 50Hz
	Starting Method		Capacitor Run (Single phase) Direct on Line (Three phase)
	Protector		Miniature Thermal Protector (Single phase) Circle Thermal Protector (Three phase)
	Ball Bearing		Double Shielded Ball Type
	Material	Motor Cover	Fiber-reinforced Plastic
		Frame	SUS 304
		Main shaft	SUS 304
		Cable	Single phase - VCT 3C x 1.0 mm ² x 6 m Three phase - VCT 4C x 1.0 mm ² x 6 m
	Discharge Bore		Screwed Coupling + Hose Coupling

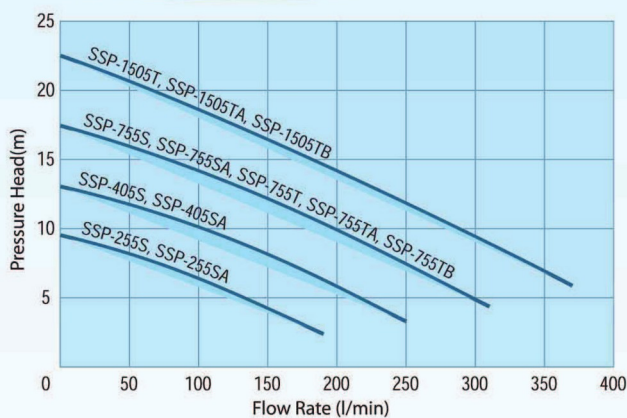
* Not suitable for seawater, strong acid or alkali liquid.



Performance Specifications

Model	Motor Output		Phase	Supply	Rated		Maximum			Weight (kg)	Solid Passage (mm)
	kW	Hp			Head (m)	Flow Rate (l/min)	Head (m)	Flow Rate (l/min)	Current (A)		
SSP-255S, SA	0.25	1/3	Single	220 - 230V, 50Hz	6.8	100	9.5	190	2.5	7.0	10
SSP-405S, SA	0.40	1/2	Single	220 - 230V, 50Hz	9.0	140	13.0	250	4.0	8.0	10
SSP-755S, SA	0.75	1	Single	220 - 230V, 50Hz	12.0	150	17.3	310	6.0	12.0	10
SSP-755T, TA, TB	0.75	1	Three	380 - 415V, 50Hz	12.0	150	17.3	310	2.2	11.0	10
SSP-1505T, TA, TB	1.50	2	Three	380 - 415V, 50Hz	14.1	200	22.5	370	3.6	13.5	10

Characteristic Curve



Dimensions

Model	HS	BS	A	B	C	D	E	H	W1	W2	W3	W4
SSP-255S, SA	40 (1 1/2")	PF (1 1/2")	233	110	85	170	90	356.5	90	200	290	200
SSP-405S, SA	50 (2")	PF (2")										
SSP-755S, SA	80 (3")	PF (2 1/2")	272	127	95	190	97	409.5	90	240	365	270
SSP-755T, TA, TB												
SSP-1505T, TA, TB												

unit : mm

Definition

W1 : Lowest water level that pump can lift up

W2 : Continuous operation water level

W3 : Pump start water level
(automatic float switch model)

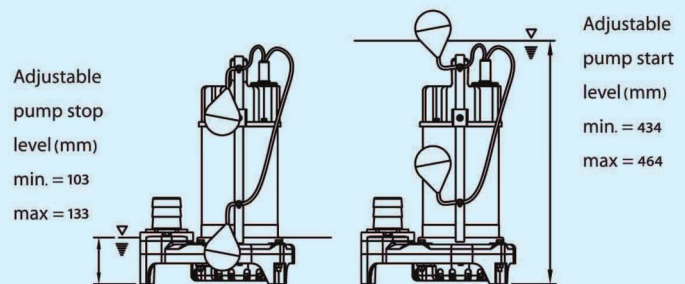
W4 : Pump stop water level
(automatic float switch model)

Options upon request :

1. Neoprene cable H 07 - RNF with request length
 2. Other voltage or frequency
 3. Different bore size from catalog
 4. Special Mechanical seal
- Please contact nearby dealer

Special B.type:

Alternate ball type float switch model SSP -755 TB and SSP -1505 TB are available. Please contact distributor for more details.



- Advantage:**
- 1) Can adjust water level that pump start/stop independently
 - 2) More precisely water level control
 - 3) Need less area for float switch
 - 4) Highly durable mercury switch

