



SUB-S/SW SERIES



SUBMERSIBLE PUMPS

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INSTALLATION AND APPLICATIONS

SUB pumps are suitable for lifting clear water not containing substances. These pumps have been designed for easy use and it is extremely reliable even when subjected to continuous use, since the motor is fully cooled. It is particularly suited for domestic use, to drain dirty water in all cases where suspended solids up to 20mm have to be dealt with.

RECOMMENDED APPLICATIONS THEREFORE INCLUDE EMPTYING OF POOLS AND TANKS, DISPOSAL OF DOMESTIC SEWAGE, EMPTYING OF SUMP PITS.

OPERATING LIMITS

Fluid temperature upto + 35°C

Maximum ambient temperature +40°C

STRUCTURAL CHARACTERISTICS

DELIVERY BODY

Made from stainless steel, particularly resistant to mechanical stress, knocks and corrosion, fitted with gas threaded vertical delivery opening.

SUCTION STRAINER

Made from stainless steel, providing the support base for the pump.

HOSE JOINT

Technopolymer with screw fitting.

IMPELLER

Technopolymer open

EXTERNAL FLOAT SWITCH

For automatic pump operation

DOUBLE MECHANICAL SEAL

carbon/alumina on the pump side and sealing ring on the motor side (with barrier oil chamber to lubricate and cool the sealing surfaces in the absence of water)

MOTOR:

Seal induction MOTOR, suitable for continuous duty with built-in thermal cutout relay (motor protector). INSULATION CLASS B (provides the motor with a considerable overload tolerance and substantially increases the service life of the motor itself). Cooling of motor assured by the liquid in when the pump is immersed.

INSULATION

Class B

PROTECTION

IP68

SUPPLY CABLE

Neoprene submersible. Supplied standard with 5 meters of cable and plug (10 meters on request)

CONSTRUCTION AND SAFETY STANDARDS

in compliance with IEC.

PERFORMANCE

When designing performance levels for SUB pumps, special attention was given to typical requirements for domestic usage. Performance curves specially designed for high delivery rates at the low installed power rating.

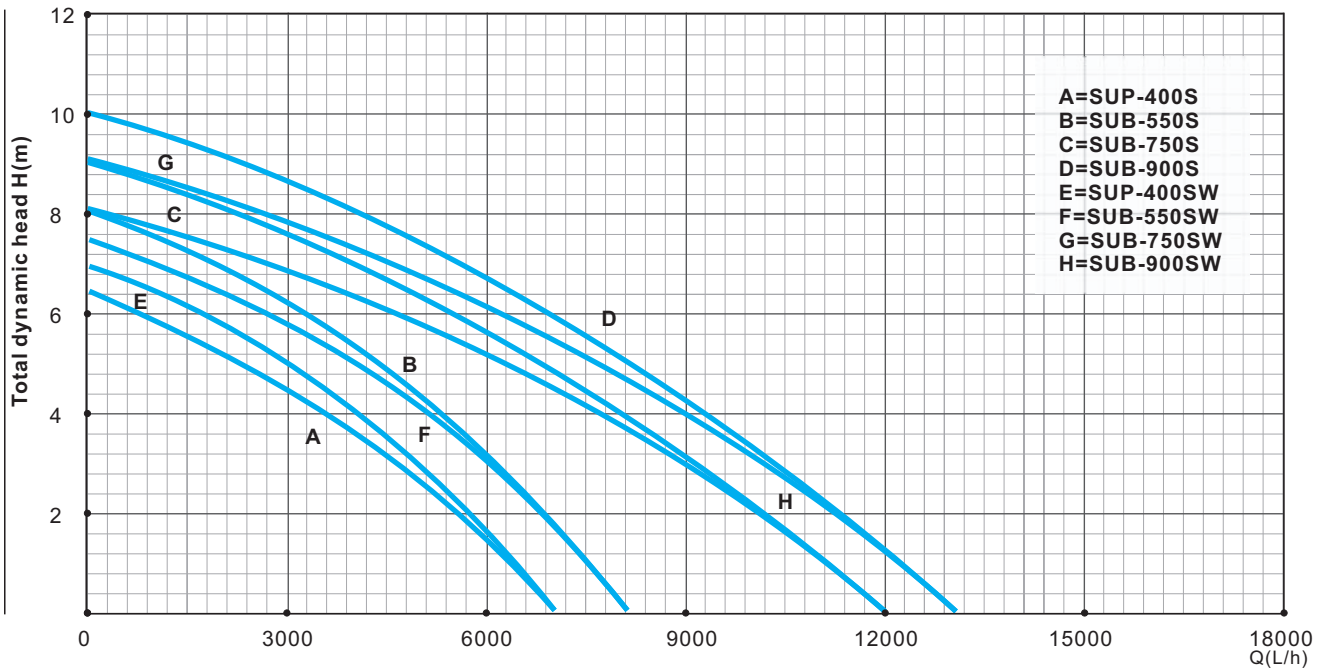
PERFORMANCE RANGE

Flow rate up to 13000 L/h

Dynamic head up to 10m

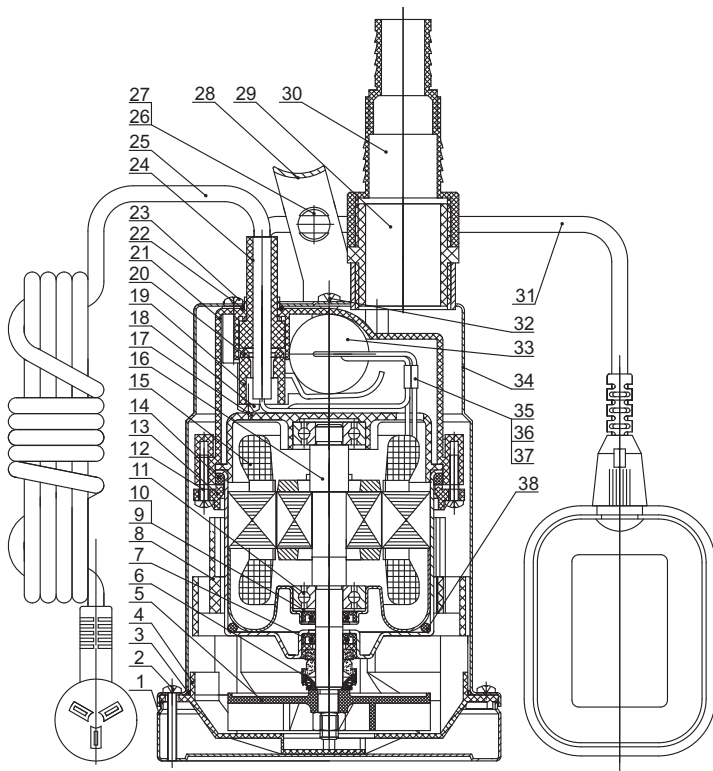
WARRANTY: 1 YEARS

(according to our general sales conditions).



TECHNICAL DATA

Type	Power		Ampere 1~220	R.P.M	Q.Max (L/h)	H.Max (m)	Pipe Dia	L×W×H (mm)	N.W (Kg)
	HP	KW							
SUP-400S	0.55	0.4	1.4	2850	7000	7	1", 1¼"	220X160X310	4.7
SUB-550S	0.75	0.55	2.5	2850	8000	8	1", 1¼"	220X160X310	4.9
SUB-750S	1	0.75	3.4	2850	12000	9	1", 1¼"	220X160X310	5.1
SUB-900S	1.2	0.9	4	2850	13000	10	1", 1¼"	220X160X310	5.2
SUP-400SW	0.55	0.4	1.4	2850	7000	6.5	1", 1¼"	220X160X350	4.9
SUB-550SW	0.75	0.55	2.5	2850	8000	7.5	1", 1¼"	220X160X350	5.2
SUB-750SW	1	0.75	3.4	2850	12000	8	1", 1¼"	220X160X370	5.4
SUB-900SW	1.2	0.9	4	2850	13000	9	1", 1¼"	220X160X370	5.6



MATERIAL DATA

Item	Description	Material	Item	Description	Material
1	Bottom Base	SUS304	20	Impress board	
2	Screw	SUS304	21	Cover	
3	O ring	NBR	22	O ring	
4	Pump body	SUS304	23	Screw	NBR
5	Impeller	Noryl	24	Cable jacket	
6	M. Seal		25	Cable	NBR
7	Oil Sead		26	Switch Jacket	
8	Motor Cover		27	Switch fixation	SUS304
9	Washer		28	Handle	ABS
10	Spring ring		29	Connection(1)	ABS
11	Bearing		30	Connection(2)	
12	Screw		31	Float switch	
13	Impress Board		32	Screw	
14	O ring		33	Capacitor	
15	Stator		34	Motor housing	Brass
16	Rotor		35	Brass cover	
17	Front cover		36	Insulation	
18	Screw		37	Pyrocondensation	NBR
19	Impress board		38	O ring	