



**SUB-P/PW SERIES**



## SUBMERSIBLE PUMPS

### SUB-P/PW SERIES

#### 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 up to + 35°C

Maximum ambient temperature +40°C

#### 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).

#### STRUCTURAL CHARACTERISTICS

##### DELIVERY BODY

Made from fiberglass reinforced technopolymer, particularly resistant to mechanical stress, knocks and corrosion, fitted with gas threaded vertical delivery opening.

##### SUCTION STRAINER

Made from fiberglass reinforced technopolymer, 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

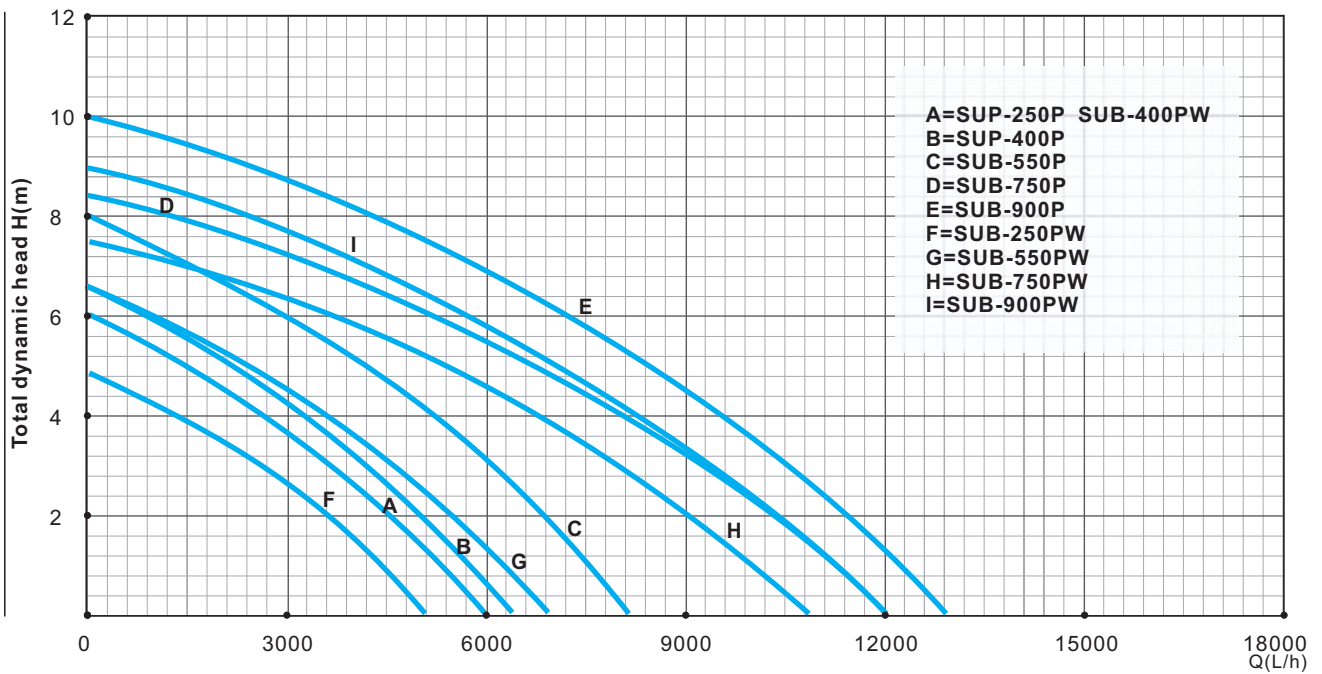
IP68

##### SUPPLY CABLE

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

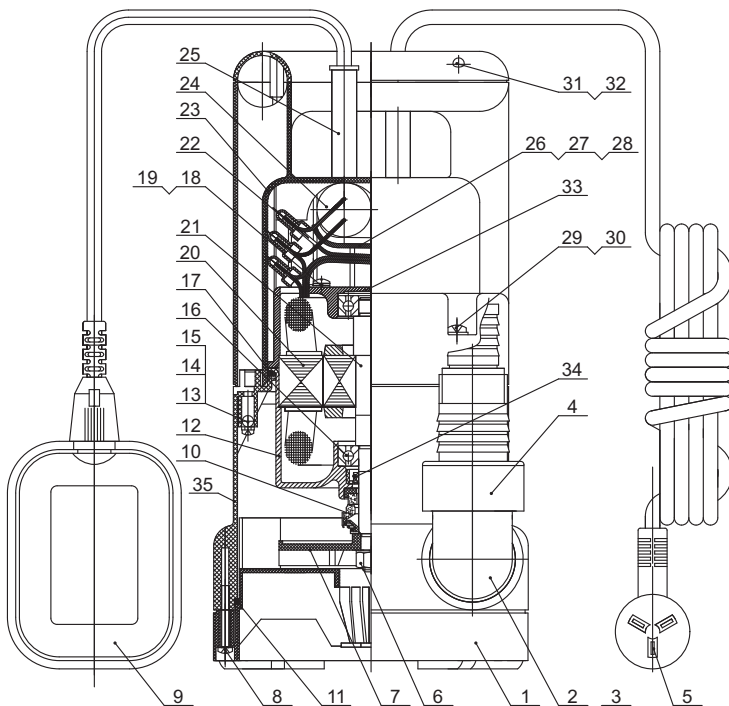
##### CONSTRUCTION AND SAFETY STANDARDS

in compliance with IEC.



**TECHNICAL DATA**

Type	Power HP	Power kW	Ampere 1~220	R.P.M	Q.Max (L/h)	H.Max (m)	Pipe Dia	L×W×H (mm)	N.W (Kg)
SUP-250P	0.35	0.25	1.0	2850	6000	6	1", 1¼"	220X160X310	4.1
SUP-400P	0.55	0.4	1.4	2850	6500	6.5	1", 1¼"	220X160X310	4.4
SUB-550P	0.75	0.55	2.5	2850	8000	8	1", 1¼"	220X160X350	4.5
SUB-750P	1	0.75	3.4	2850	12000	9	1", 1¼"	220X160X350	4.8
SUB-900P	1.2	0.9	4	2850	13000	10	1", 1¼"	220X160X350	5.2
SUB-250PW	0.35	0.25	1	2850	5000	5	1", 1¼"	220X160X330	4.2
SUB-400PW	0.55	0.4	1.4	2850	6000	6	1", 1¼"	220X160X330	4.5
SUB-550PW	0.75	0.55	2.5	2850	7000	6.5	1", 1¼"	220X160X370	4.6
SUB-750PW	1	0.75	3.4	2850	11000	7.5	1", 1¼"	220X160X370	4.9
SUB-900PW	1.2	0.9	4	2850	12000	8.5	1", 1¼"	220X160X370	5.3



**MATERIAL DATA**

Item	Description	Material	Item	Description	Material
1	Bottom base	PP-GF30	18	Earth screw	
2	Connection	PP-GF30	19	Washer	SS420
3	Ring	NBR	20	Stator	
4	Connection	PP-GF30	21	Rotor	
5	Cable		22	Connection cover	
6	Nut	S.S	23	Handle	
7	Impeller	noryl	24	capacitor	
8	Screw	S.S	25	Cable jacket	NBR
9	Float Switch		26	Impress board	PP-GF20
10	M. Seal		27	Impress board	PP-GF20
11	O ring	NBR	28	Screw	
12	Motor housing		29	Screw	SUS304
13	Steel ball		30	Washer	SUS304
14	Impress board	SUS304	31	Handle cover	PP-GF30
15	Screw		32	Motor cover	AL
16	Bearing		33	Oil seal	
17	O ring	NBR	34	Pump body	PP-GF30