

## 4" Submersible Pumpset

Description : C.R.I. 4" G -Flow Series submersible pumps are built with thermoplastic impellers, diffusers and inbuilt check valve. All vital components of these pumps are made of corrosive resistance thermoplastic and the shaft is of SS 304/431. Pumps are multi stage centrifugal type. The optimal design of impellers and diffusers enables the best possible hydraulic efficiency. Built in check valve prevents back flow and reduces the risk of water hammering.

The pump is firmly coupled to a submersible oil filled motor which operates submerged beneath the surface of water. Dynamically balanced rotors and quality ball bearings maintain uniform clearance thereby giving better efficiency and increase the life cycle. All mounting dimensions of pumps & motors are in accordance with NEMA standard.

These G -Flow submersible pumpsets are supplied as a complete package i.e. pump coupled to motor, with control box, 30m submersible cables and Safety rope (optional) in a single packing.

**Features :** • More Longevity & Hygiene • High Operating efficiency • Lesser power consumption • Floating impeller design prevents sand blockages • Easy to dismantle & Repair • Rigid construction • Highly durable • Can handle upthrust load • NEMA Mounting Standard • Extremely hardwearing water lubricated bearings.

**Applications :** • Residential • Irrigation • Civil Water Supply • Fountains • Industrial & Rural Water supply • Fire Fighting • Pressure Boosting Units • Gardens • Sprinkler Systems.

## Specifications

NOMINAL DIA.	4" (100mm)
Power range	0.37kW to 2.2kW
Speed	2900 rpm
Version	Single phase 230V, 50Hz, A.C Supply Three phase 380-415V, 50Hz (Optional)
Class of insulation	"F"
Degree of protection	IP 68
Type of duty	S1 (Continuous)
Min. Cooling flow	0.15m/s
Max. Liquid temp.	33°C
Max. Immersion depth	150m
Starts per hour	20 times
Method of starting	Single phase permanent split capacitor (PSC) Three phase direct on-line (DOL)
Pump outlet size	1¼", 1½" & 2"
Cable lead out	Permanently connected and sealed 3 core rubber flat cable

## Materials of Construction

PART NAME	MATERIAL
Discharge Outlet	S.S - 304 (Casted)
Pump Outer Shell	S.S - 201 / S.S - 304
Impeller	Thermo Plastic (POM)
Diffuser	Thermo Plastic (PPO)
Suction Inter Connector	S.S - 304 (Casted)
Inlet Screen	S.S - 304
Pump Shaft	S.S - 304
Cable Guard	S.S - 420
Coupling Splines	S.S - 430
Motor Outer Shell	S.S - 304
Oil Seal	Nitrile Rubber (NBR)
Mechanical Seal	Carbon / Silicon
Diaphragm	Nitrile Rubber (NBR)

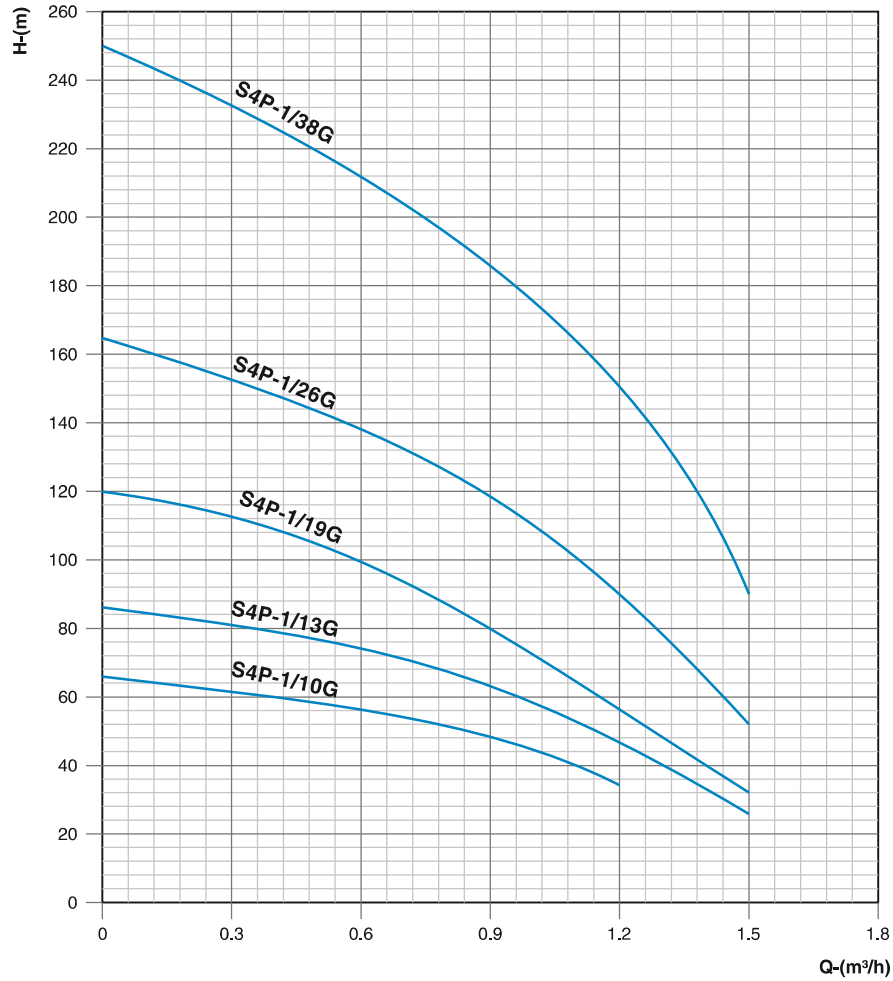
# SUBMERSIBLE PUMPSET

Nominal Diameter : **4**

Nominal Flow : **1m<sup>3</sup>/h**

Outlet Size : **1 1/4"**

## Performance Curves



## Performance Table

PUMP MODEL	MOTOR POWER		lps	0	0.08	0.17	0.25	0.33	0.42	PUMP SET MODEL
	kW	HP	m³/h	0	0.3	0.6	0.9	1.2	1.5	
S4P-1/10G	0.37	0.5	TOTAL MANOMETRIC HEAD IN METRES - (COLUMN WATER)	66	62	57	48	35	-	L4P-1/10G-03N
S4P-1/13G	0.37	0.5		86	81	74	63	63	26	L4P-1/13G-03N
S4P-1/19G	0.55	0.75		120	112	100	80	80	32	L4P-1/19G-05N
S4P-1/26G	0.75	1		164	152	138	118	118	52	L4P-1/26G-07N
S4P-1/38G	1.1	1.5		250	232	212	186	186	90	L4P-1/38G-11N

\*All above said models are supplied as complete set consists of Pump, Motor & 1Ph Control Box. On request 30mtrs cable & safety rope can be provided.

\*In view of continuous developments, the information / description / specifications / illustrations are subject to change without notice.