

GSP05/10/20 Sub-Prime[®] Electric Submersible Pumps

The GSP Sub-Prime line is a selection of portable, electric submersible dewatering pumps available for a wide range of pumping applications on construction, industrial, mining, utility, and municipal job sites. Available in 0.5 hp / 0.4 kW (GSP05), 1 hp / 0.75 kW (GSP10), and 2 hp / 1.5 kW (GSP20) models, the GSP Sub-Prime offers flow rates from 70 to 110 gpm (4.4 to 6.9 l/sec) and maximum heads from 39 to 70 feet (11.9 to 21.3 meters). Compact design allows these versatile units to go where other pumps simply do not fit. An optional piggy back single float switch can be supplied as a cost effective choice for applications requiring automatic operation.



Features and Benefits

- UL and CSA listed and approved *
- Dry-running capability without damage
- No control panel required for starting. (Control panel is needed for motor protection.)
- Portable, lightweight, durable
- Slim line top discharge design, only 7.2 in. (183mm) diameter for GSP05 and GSP10 models, 9.25 in. (235mm) diameter for the GSP20 model.
- Non-wicking cable with strain relief
- High-torque, capacitor-start motor
- Motor thermal overload protection
- Outer jacket for continuous cooling of motor
- Silicon Carbide upper and lower mechanical seals
- Triple sealed – internal upper and lower mechanical seals and external lip seal
- Torque flow impeller

Specification

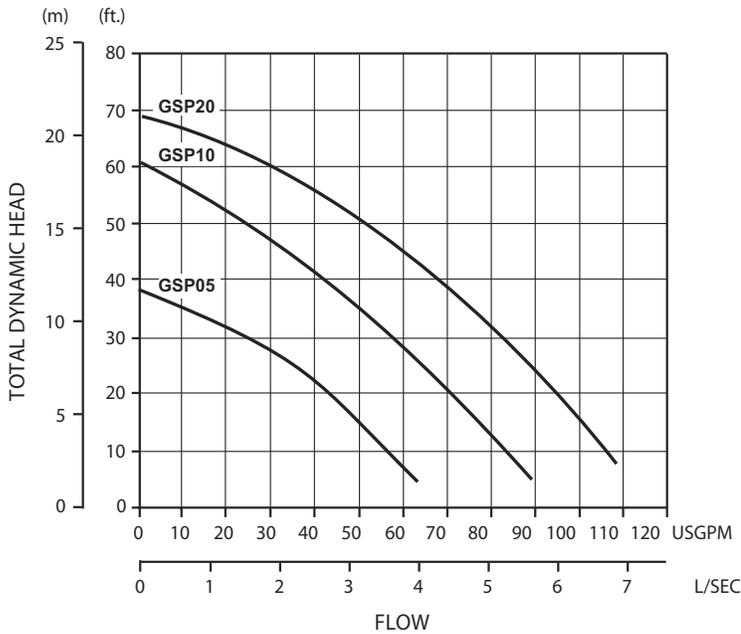
	GSP05	GSP10	GSP20
HP (kW)	0.5 (0.4)	1.0 (.75)	2.0 (1.5)
Max. Flow - gpm (l/sec)	70 (4.4)	90 (5.7)	110 (6.9)
Max. Head - ft (m)	39 (11.9)	60 (18.3)	70 (21.3)
Max. Solids - in. (mm)	1/3 (9)	1/3 (9)	1/3 (9)
Cable Length - ft (m)	30 (9)	50 (15)	50 (15)
Discharge - in. (mm)	2 (50)	2 (50)	3 (75)
RPM	3600	3600	3600
Max. Fluid Temp.	90° F (32° C)	90° F (32° C)	104° F (40° C)
PH Range	6.5-8.0	6.5-8.0	6.5-8.0
Voltage	115, 230	115, 230	115/230
Amps	5.8, 3.2	10.3, 5.11	25.9/13.0
Phase	Single	Single	Single
Height - in. (mm)	12.8 (325)	14.1 (358)	24.5 (622)
Width - in. (mm)	7.2 (183)	7.2 (183)	9.25 (235)
Weight - lbs. (kg)	20 (9)	29 lbs. (13)	61 (28)
Max. Sub. - ft (m)	16.5 (5)	16.5 (5)	16.5 (5)



* n.a. for GSP20

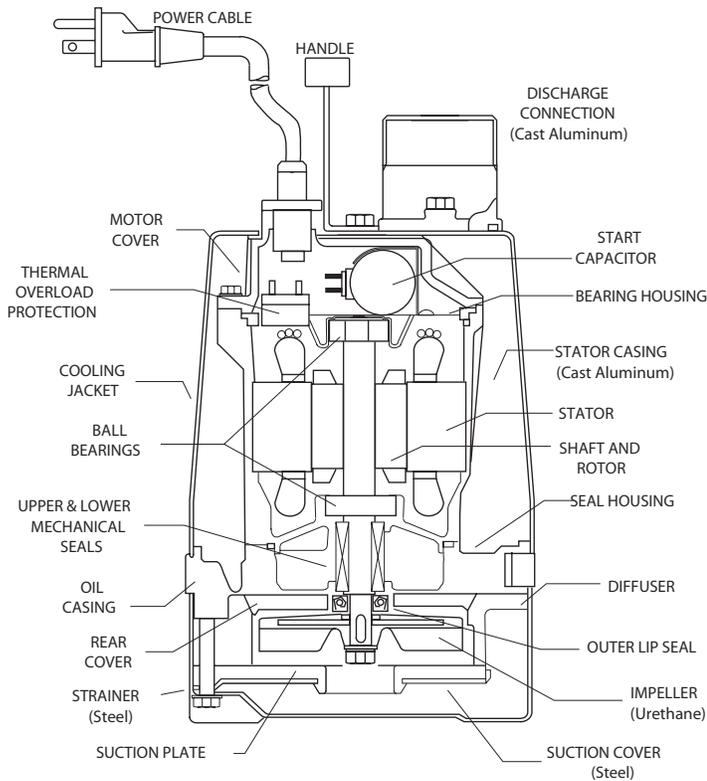
godwin 
a xylem brand

GSP Sub-Prime® Performance Curves



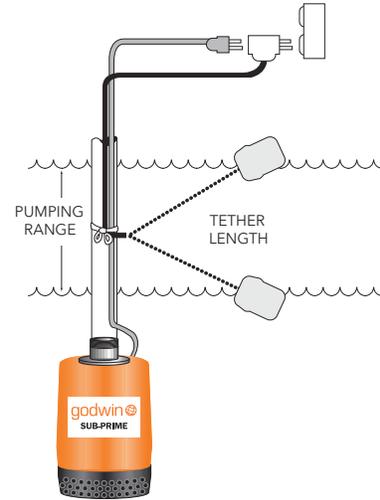
WARNING: Pumps are not designed for use in explosive atmosphere, flammable environments or for pumping volatile liquids.

Design & Construction



Float Switch

Optional Float Switches available for automatic, remote activation of Sub-Prime pumps. Package consists of 30 ft/50ft (9m/15m) power cord with piggy-back power plug, variable length float tether, and sealed float. Typical configuration shown below.



Pumping range determined by tether length according to the following guide.

Tether Length	3.5	5	7	9	11	13	15	in.
	89	127	178	229	279	330	381	mm.
Pumping Range	6.5	7.5	8.5	10	11	12.5	13.5	in.
	165	1914	216	254	279	318	343	mm.

Pumping range based on operation in non-turbulent conditions. Actual range may vary due to temperature conditions and cord shape. Tether length increases variance of pumping range.

Dimensions

