



# STRONGPLANT



## PUMPS

StrongPlant pumps are built with the highest quality, fuel efficiency and cost effectiveness. The initial drawdown being 3 to 4 times higher, the design has a system which can eventually work on less pumps or less horsepower. The Pumps are economical & durable since these are used for long duration projects. The Pumps are also Self-Priming.

Being technically competent, the type of equipments researched and manufactured by StrongPlant are in line with any advanced technological company or even superior in some areas

StrongPlant's success stories for the pumps lie in after-sales service and are always available 24x7 with complete support. Also equipment spare parts are adequately stocked or can be procured within 3 days.

### NON SUBMERSIBLE

These are electric or diesel powered non-submersible pumps used for WellPoint & French/drain dewatering. They include double acting piston pumps which provide advantages such as low running cost, great reliability, spares & reliable service

The types of non-submersible pumps include Turbo-Z Reciprocating Dewatering Pump & Turbo-Z Vacuum assisted Centrifugal Dewatering Pump.

	Reciprocating	Centrifugal		Reciprocating	Centrifugal
Dry Running	Yes	No	Capacity	40-60-90 m3/hr	All Capacities
Rotation p/min	380/64	1500	Wear Parts	Collars	Seal/Impeller
Vacuum	9.2 mtr	Only Self Priming	Low Cost Usage	Yes	No
Delivery	Max 2.4 bar	Greater Heads Possible	Maintenance	Easy	Specialized

### FEATURES



- Universally tested & approved design
- Wide application for pumping clean & salty water
- Hard wearing material (SS316, Cast Iron) with robust design
- Automatic priming & repriming
- Extensively used for wellpoint dewatering
- Skid mounted
- Special mechanical seal design
- Ease of maintenance
- Minimal cost providing highest efficiency
- Sturdy pump for 24x7 duty



# SPECIFICATIONS

Pump Type	Horizontal, Centrifugal, Back Pullout type pump fitted with single impeller in volute casing supported by heavy duty thrust bearing and radial bearing rotating assembly with side suction and top discharge				
Pump Model	150 x 125 x 268	Suction Size	150mm	Delivery Size	125 mm
Flange Std	BS'E" 100 Lbs	Liquid	Salty Water	Specific Gravity	1.01
Temperature	Ambient	Viscosity	1 CP	Efficiency	Upto 89% max
<b>Head &amp; discharge speed at different speeds</b>	<b>Speed</b>	<b>Head</b>	<b>Discharge</b>	<b>Input Power (KW/HP)</b>	
	1500 RPM	8 mtr	276 m <sup>3</sup> /hr	13.06 / 17.8	
	1600 RPM	8 mtr	301.5 m <sup>3</sup> /hr	16.89 / 22.98	
	1700 RPM	8 mtr	326 m <sup>3</sup> /hr	20.26 / 27.6	
	1750 RPM	8 mtr	339 m <sup>3</sup> /hr	22.01 / 30.1	
	1800 RPM	8 mtr	347 m <sup>3</sup> /hr	24.1 / 32.7	
MOC	Casing (Volute Chamber)	St Steel Gr CF8M (SS316)	Stuffing Box	St Steel Gr CF8M (SS316)	
Impeller	St Steel Gr CF8M	Shaft	St Steel Gr SS316	Mech Seal	C / Ceramic

## NON SUBMERSIBLE

These are electric powered submersible drainage & multistage pumps used for Deepwell dewatering. These are designed to withstand the most demanding conditions with increased versatility.

## FEATURES



- Varied discharge sizes & horsepower range
- High operating efficiency
- Highly durable & hygiene
- Utilizes higher motors to achieve higher heads
- Extremely hardwearing water lubricated bearings
- High pressure rated mechanical seals are isolated to provide superior motor protection
- Can handle upthrust loads
- Rugged cast iron construction
- Pressure relief ports and exclusive oil lifter extend mechanical seal life, eliminating premature wear and failure in high head operations
- Internal thermal motor protection
- Anti-wicking cable entrance
- Specially designed high performance thrust bearing to withstand axial thrust loads
- Can handle upthrust loads
- Tried and trusted
- Highly efficient
- Wide head and flow with numerous models
- Good sand resistance capacity
- Corrosion free parts for hygiene
- Low wear and tear
- Highly efficient

