



# GOLDEN

Submersible pump  
GSP8 - Series



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Approved in :

Member of :





## GOLDEN Submersible Pump GSP8-Series

### Function:

This series of pumps are deep-well electric pumps in which the motor is close coupled to the pump and submerged into the well. The submersible pumps are single-stage/multi-stage centrifugal pumps operating in a vertical/horizontal position. Their basic operational principle is as like centrifugal pumps. Fluid enters the pump through an intake screen and is lifted by the pump stage(s). In these pumps long intermediate shafts are undesirable.

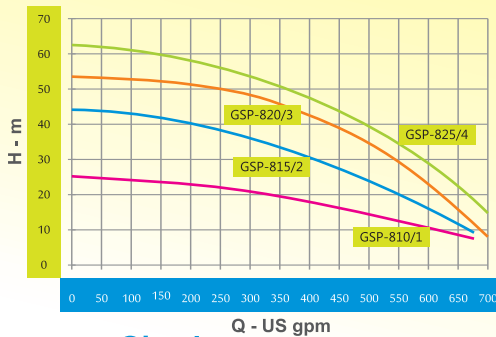
### Application:

These pumps have variety of applications like public or industrial water supply, construction sites, hotels, fresh water handling and irrigation. Recommended well diameter is Ø10”(min.). However, it is also suitable to draw water from tanks or natural basins.

### Construction:

Suction Support, Diffuser, Impeller and Outlet in Cast Iron (EN-GJL-250). Shaft in Stainless Steel (AISI 431). Non-Return Valve, Cable Cover, Grid, Nuts, Bolts & Washers in Stainless Steel (AISI 304). Impeller Spacer in Stainless Steel (AISI 316). O-rings & other Rubber Components in EPDM. Counter Thrust Rings in Anti-wear Resin.

### Performance Chart



Standard outlets in these pumps are threaded with Ø5”-G size.

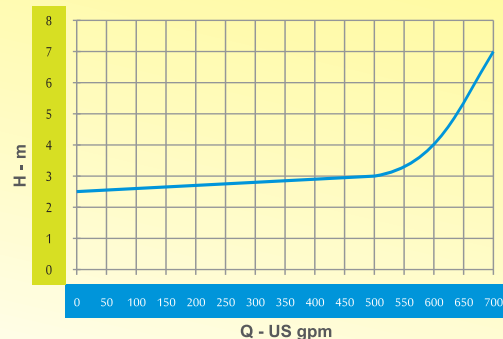
### Pump Performance Data:

Capacity (Q) up to: 700 US gpm (max.)  
 Head (H) up to: 61m (max.)  
 Liquid: Quality requirement is chemically & mechanically non-aggressive, 3mm(max.) solids  
 Max. temp. (liquid): 0°C to +30°C  
 Max. Working Pressure: 36 bar  
 Max. Immersion Depth: 300 m under fluid level  
 Tolerances: Performance UNI EN ISO 9906, Vertical Installation coupling as per NEMA Standards  
 Electric Motor: Oil/Water filled, PVC/PE winding, IP68, Insulation Class 'F', coupling as per NEMA Standards, Norms IEC 60034-1  
 Rotation: 2900 rpm, Clockwise (Looking at the outlet)

### Installation:

Pump will be installed vertically into the well. Pump can be installed vertically/horizontally into the water tank according to the requirement but keeping in view of certain restrictions.

### NPSH Curve



### Performance Chart

Model	Outer Dia	Discharge size Ø	HP	Q - Capacity (US-gpm / LPM)														
				0	200	250	300	350	400	450	500	550	600	625	650	675	700	
				0	757	946	1136	1325	1514	1703	1893	2082	2271	2366	2461	2555	2650	
				H - Total Head (m) @ 2900 rpm														
GSP-810/1	8"	5"/6"	10	24.8	20.7	19.6	18.5	17.5	16.6	15.7	14.8	13.5	12	11.2	10.2	9.2	8.2	
GSP-815/2			15	44.2	37	35.3	33.2	31	29.5	27.7	25.7	22.6	18.5	16.7	14.5	12	9	
GSP-820/3			20		52	50	48	44.8	40.7	37.2	33.6	29.3	24	21	17.5	14	10	
GSP-825/4			25			61	56	51.5	47.5	43	37.3	32	26.3	22	18	14.5	10.5	

Note: Please ask our representative for change in material of construction & horizontal installation, etc.