

12V DC Purge Pumps

GeoSub™

The GeoSub allows you to purge wells to 65 feet (20 m) in depth with confidence. This economical pump provides you with purge rates up to 3.5 GPM (15 LPM). Easy to operate and decontaminate, the GeoSub operates from your 12V DC vehicle battery.

FEATURES

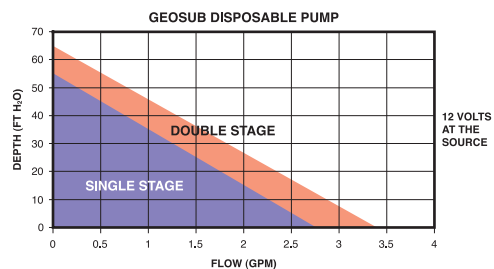
- Operates to depths of 65 feet (20 m) (Double Stage only)
- Flow rates up to 3.5 GPM (15 LPM)
- Very economical and reliable disposable pump
- Designed for wells 2" in diameter or larger
- Operates from a 12V DC power supply with 5.3 amps (Single), 7.0 amps (Double)
- Portable reel system with tubing available (option)
- Use in conjunction with bailers to save time

OPERATION

The GeoSub centrifugal pump can be purchased alone or as a complete system with reel and tubing. It is used to pump groundwater from shallow wells. Pump should be allowed to cool for 5 minutes for every 15 minutes of operation. It can operate in water temperatures as high as 140° Fahrenheit, but must be submerged at all times.



Single Stage GeoSub system with portable reel and tubing



GeoSub Pumping Curves



Double Stage GeoSub

SPECIFICATIONS

| | Single Stage | Double Stage |
|---------------------------|--|--|
| Dimensions | 1.75" D x 7" L (4.5 cm D x 18 cm L) | 1.75" D x 14" L (4.5 cm D x 36 cm L) |
| Outlet | 1/4" MNPT (accepts 1/2" ID tubing) | 1/4" MNPT (accepts 1/2" ID tubing) |
| Optional Outlet Adapter | Optional fittings 1/4" FNPT x 3/8" barb or 1/4" FNPT x 1/2" barb | Optional fittings 1/4" FNPT x 3/8" barb or 1/4" FNPT x 1/2" barb |
| Power | Requires an independent 12V DC source | Requires an independent 12V DC source |
| Current Draw | 5.3 amps minimum to 6.0 amps maximum | 7 amps minimum to 8 amps maximum |
| Voltage Loss | .4 volt/30 feet (9 m) | .6 volt/30 feet (9 m) |
| Operating Temperature | In water up to 140°F (60°C) do not freeze pump | In water up to 140°F (60°C) do not freeze pump |
| Flow Rate | Up to 3.0 GPM (13 LPM) dependent on depth (or TDH) | Up to 3.5 GPM (15 LPM) dependent on depth (or TDH) |
| Maximum Recommended Depth | 55 feet (17 m) | 65 feet (20 m) |
| Material of Casing | ABS plastic | ABS plastic |
| Material of Pump Impeller | ABS plastic | ABS plastic |
| Material of Seal | EPDM | EPDM |
| Length of Motor Lead | 2 feet, 30 feet, and 60 feet (6 m, 9 m, and 18 m) | 2 feet and 60 feet (6 m and 18 m) |
| Recommended Duty Cycle | On 15 min., then off for 5 min., then resume operation, etc. | On 15 min., then off for 5 min., then resume operation, etc. |

CALL GEOTECH TODAY (800) 833-7958

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