

PORTABLE

GROUNDWATER SAMPLING PUMP SYSTEM



Description

Our dedicated freestanding portable pump system is ideal for short term monitoring projects. This complete pump system includes the pump head, a lightweight freestanding tubular frame, durable composite hose reel, hose with integrated power wire, control panel with flow control feature, and all stainless steel quick connect couplings installed. Reel capacity is 200’.



KEY BENEFITS

- Easy one person portability
- Reusable durable hose with integrated power lead
- Several power supply options (110VAC converter / 36V battery pack / power from a vehicle battery with the 12V inverter option)
- Economical for short term monitoring projects

ROTATING REEL SPECIFICATIONS

Dimensions: 26" x 26" x 13"

Weight: 58 lbs. (with 100' polyethylene hose)

63 lbs. (with 100' Teflon® lined polyethylene hose)

Control Panel: Variable speed knob for precise flow control
Amp Meter 7 Amp breaker for motor protection
Forward / Off / Reverse toggle switch
Power Port for 36VDC power input

Hose Options: Polyethylene hose with integrated power wire
Teflon® lined polyethylene hose with integrated power wire

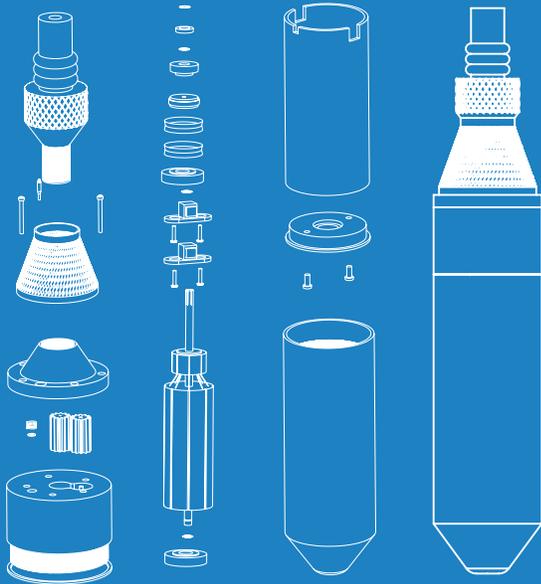


MODEL SP-400 PUMP SPECIFICATIONS

Our electric submersible pump is constructed of stainless steel and Teflon® and operates on positive displacement. Two Teflon® gears sit in a stainless steel cavity and displace the water up the hose in a steady stream. Teflon® is used for the rotors in the interest of purity however they are the only component on the pump that requires any routine maintenance. Teflon® rotors are field replaceable (the operator only needs a pair of needle nose pliers and a screwdriver) and they are reasonably priced at \$25 per set. Lifespan of these rotors is 100 hours in clear water; less hours depending on turbidity.

The pump's low rpm electric motor won't disturb the sample. The motor operates on 36VDC. No cool down period is necessary as long as the pump is immersed in water. The efficient motor generates little heat - no cooling shroud is required!

We also offer an optional detachable check valve. This stainless steel and Teflon® quick connect coupling can easily be installed or removed depending on sampling requirements.



Diameter: 1.75"

Length: 9.16"

Weight: 2.5 lbs.

Materials: 304 Stainless Steel
Teflon® Rotors
Viton Housing seal
Carbon motor seal

Lift Capacity: 150'

