

# DEDICATED

## GROUNDWATER SAMPLING PUMP SYSTEM



### Description

Fultz Pumps, Inc.'s dedicated pump system provides for one of the most user friendly installations in the industry. We assemble the hose with integrated power lead and the well cap to the exact customer specified length. Simply snap the pump onto the end of the hose and lower the assembly into the well. The well cap features a 1" access port for other instruments and serves as the storage port for the discharge line. To power the pump the operator will only need to plug our briefcase controller to the well cap plug to draw the sample. (Specify schedule of pipe)



### Key Benefits

- Easy installation - snap components together, drop in installation
- Greatly reduce man hours spent installing, withdrawing, and decontaminating equipment
- Eliminate chance of cross contamination
- Most convenient for field personnel.
- Ideal for long term monitoring projects

### Briefcase Controller Specifications

**Dimensions:** 7" X 11" X 14"

**Weight:** 12 lbs.

**Control Panel:** Variable speed knob for precise flow control (can meet low flow parameters of <50 ml/min.)  
Amp Meter  
7 Amp breaker for motor protection  
Forward / Off / Reverse toggle switch  
Power Port for 36VDC power input

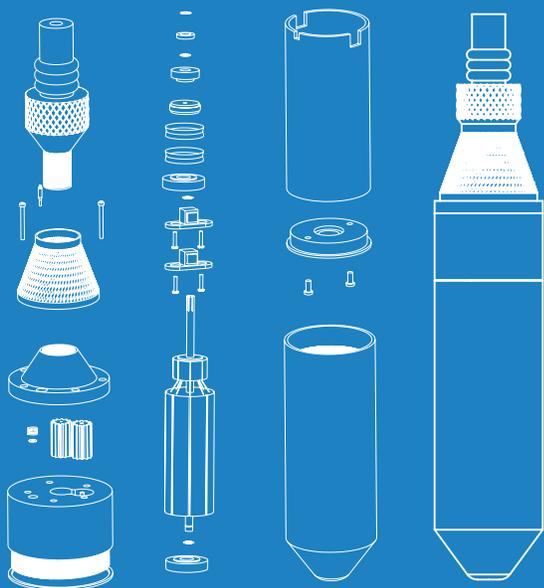


## Model SP-400 Pump Specifications

Our electric submersible pump is constructed of stainless steel and Teflon® and operates on the positive displacement. Two Teflon® rotors 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 \$30 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'

