

DISPOSABLE TUBING

GROUNDWATER SAMPLING PUMP SYSTEM



Description

Our portable disposable tubing sampling pump system is designed for reliable and efficient purging and sampling of monitoring wells. The system consists of a briefcase controller, our pump head, power lead made to customer specified length (not pictured) and stainless quick connect couplings for easy assembly. The customer only need supply the disposable tubing.

This system eliminates the chance of cross contamination from re-using tubing. Man hours spent deconing tubing between wells is greatly reduced. Our disposable tubing system has an economical start-up cost and is easily transported. This system is also an ideal choice for rental pool equipment.



Briefcase Controller Specifications

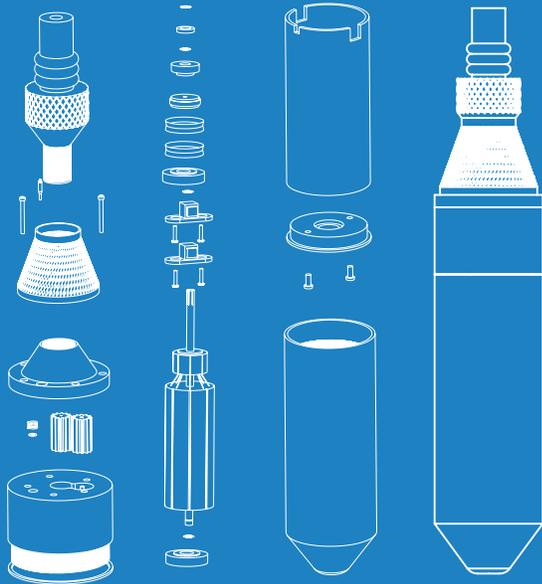
- Durable lightweight aluminum briefcase (12 lbs. / 7" x 11" x 14")
- Variable speed knob for precise flow control (can meet low flow parameters of <math>< 50 \text{ ml/min}</math>.)
- Input 110VAC / Output 36VDC
- Forward / Off / Reverse toggle switch
- Amp meter
- 7 Amp breaker switch for motor protection
- Optional DC power input plug for use with our battery pack

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 \$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'

