



Model 410
Peristaltic Pump

Solinst Peristaltic Pumps are designed for vacuum pumping or pressure delivery of liquids or gases. They are ideal for sample removal from shallow wells and surface water.

The mechanical peristaltic operation is effective to depths of 28 ft (8.5m) at sea level, being limited only by the suction lift limit.

The Solinst Peristaltic Pump has a variable pumping rate and can deliver from 10 ml/min. in sample mode and as much as 3 litres/min. in the pump mode.

Compact and Light Weight

The Solinst Peristaltic Pump is very compact and easy to use. It measures 13" x 4.5" x 9" (32cm x 11cm x 22cm) and weighs only 9.5 lbs (4.3 Kg).

The metal case is extremely robust, water resistant, and has no grates or openings.

A handle and easy-access controls on the top of the pump, make it perfect for field work.

Tubing

The standard pump tubing is medical grade silicon which attaches easily to 3/8" x 1/2" (10mm x 12mm) down well tubing.

To give high sample integrity, the sample comes in contact only with the tubing. The tubing is easy to clean or replace. To avoid cross contamination between wells and lengthy decontamination procedures simply change the inexpensive tubing between wells.

High Quality VOC Samples

When sampling for volatile organics using the Peristaltic Pump it is advisable to collect samples in-line, ahead of the pump, to avoid the stripping of volatiles from the sample. The Solinst VOA Bottle Filler, Model 470 is ideal for this. It holds 3 standard 40 ml bottles.

It is also useful to place a Flow-Through Cell in-line, to allow the water to be monitored for conductivity, pH, temperature or other appropriate parameters. When the readings stabilize the operator can be sure that the sample bottles now contain fresh formation water.



VOA Bottle Filler



Flow-Through Cells

Power

The pumps operate using any external 12 volt DC supply at 3-5 amps maximum. The variable speed motor is reversible and is equipped with a 5 amp internal fuse and blocking-type reverse polarity protection.

A power cord, 10 ft (3 m) long, is included with each Peristaltic Pump. The power cord is fitted with alligator clips for easy connection to almost any 12 volt DC battery, such as a car battery or a small 12 V x 6.5 AH gel cell.