

UNIVERSAL FLOW-THRU™ ADAPTOR INSTRUCTIONS

Universal Flow-Thru Adaptor is made from Teflon®, the tube fittings are polypropylene, the O-rings are Viton. The four fittings are for tubing with inside diameters of 1/16, 3/32, 1/8 and 5/32 inches. The thread size for the fittings is 10-32.

The unit is designed to accept pH, conductivity, and other probes which have a diameter of 12 millimeters. The suggested flow rate is 0.001 ml to 50 ml per minute. The Adaptor volume is dependent on the position and configuration of the probe, generally it is between 2 to 4 ml.

Screw the connectors into each side of the adaptor. Affix the appropriate size tubing to each fitting. Any type of tubing may be used. Place the pH, conductivity, or other probe into the large adaptor opening.

Gently slide the probe past the two O-rings, take care not to force and break the probe. To maintain higher flow rates do not insert the probe past the upper fitting (fitting closest to the probe). Connect the tubing to the fittings. The inlet tubing must connect to the lower fitting and the outlet tubing to the upper fitting. Place the probe in a vertical position. Turn on your instrument. Begin the flow through the Flow-Thru Adaptor.

Accessory pumps designed specifically to work with the Universal Flow-Thru Adaptor are listed below.

VARIABLE FLOW PERISTALTIC PUMPS

Variable flow pumps are ideal for flow through applications. They provide outstanding flow control and flexibility. Fluid contacts only the tubing for contamination-free pumping.

Flow rates are from 0.005 to 85 milliliters per minute. Variable-speed flow control and five different tubing sizes provide fine resolution with a wide flow range. The revolution of one roller delivers a precisely measured volume specific to the tubing size and motor speed.

Silicone tubing may be used with fluids having temperature from -80 to 500°F (-62 to 260°C). For use with food, pharmaceutical, and other critical solutions, the tubing may be sterilized by autoclaving.

Pumping dry (air-gas) does not harm the pump. Pump has a purge/prime switch for high speed emptying/filling. It also reverses at the touch of a switch for ease in draining tubing. Three rollers reduce flow pulsation, prevent siphoning, and eliminate the need for check valves. There are no valves to clog or seals to leak.

Pump comes ready to use. Supplied with silicone tubing (sizes 1/32, 1/16, 3/32, 3/16, and ¼ I.D.), polypropylene fitting/nipples, 115 VAC U.L. rated wall power supply, and an accessory battery connector (battery no supplied). Housed in a chemical-resistant ABS plastic case. Size is 6¾ x 4¾ x 4¾ inches. Weight is 1¼ pounds. One year warranty.

Control Cat. No. 3384 Variable Speed Pump (Ultra Low Flow) Flow rate 0.005 to 1.8 ml/minute

Control Cat. No. 3385 Variable Speed Pump (Low Flow) Flow rate 0.03 to 8.2 ml/minute

Control Cat. No. 3386 Variable Speed Pump (Medium Flow) Flow rate 4.0 to 85.0 ml/minute

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

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Control Company is ISO 9001 Quality-Certified by DNV and ISO 17025 accredited as a Calibration Laboratory by A2LA.