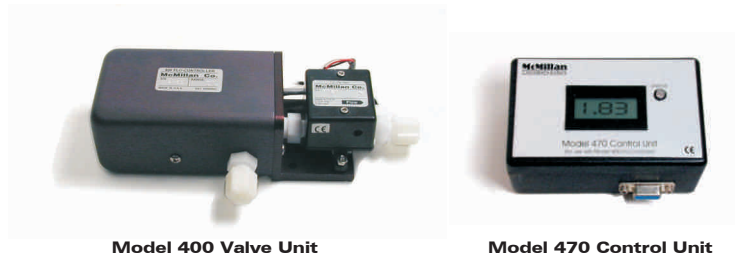


Model 400/470 Flo-Controller Package



Model 400 Valve Unit

Model 470 Control Unit

- **Automated flow control for the test lab or benchtop**
- **Includes Flo-Sensor for precision flow measurement & automated needle valve for control**
- **NIST Calibration Certificate included**

The Model 400 is a liquid flow controller designed for water and other non-corrosive fluids. It incorporates a stepper motor-actuated needle valve, a precision liquid Flo-Sensor, and electronics that compare the output of the Flo-Sensor to the setpoint and move the needle accordingly. The Model 470 control unit is a user interface for the Model 400. It provides a digital display, adjustable setpoint potentiometer, and power supply for the Flo-Controller. Using optional cables (below), the user may also remotely send and receive 0-5VDC signals to the Model 400 through the Model 470. A set of jumpers on the Model 470 allow the user to select display settings and whether to use the internal or external setpoint. **Valve unit, control unit, and power adapter are included with package.** For OEM applications, the Model 400 is available by itself. Call for details.

Wetted Parts: Ryton®, Teflon® PTFE brand resin, acetal, stainless steel, sapphire, glass, epoxy, Viton® O-rings standard. EPDM O-rings available at an added cost - use suffix "Q".

Model Number	Flow Range	Desired Differential Pressure	Standard Fittings	Model 400, No Fittings
400/470-3	15-100 mL/minute	15-35 psi	1/8" tube	7.00" x 2.50" x 2.00
400/470-4	20-200 mL/minute	10-30 psi	1/4" tube	7.00" x 2.50" x 2.00
400/470-5	50-500 mL/minute	12-30 psi	1/4" tube	7.00" x 2.50" x 2.00
400/470-6	100-1000 mL/minute	12-30 psi	1/4" tube	7.00" x 2.50" x 2.00
400/470-7	0.2-2.0 L/minute	12-30 psi	1/4" tube	7.00" x 2.50" x 2.00

115 VAC (USA) power adapter standard. For 230 VAC (European) applications, add "E" suffix (ex: 400/470-4E). See detailed specifications on page 23. All units calibrated with deionized water.

Options and Accessories

50-C-S Cable Assembly - Connects to jacks on Model 470 for external 0-5VDC setpoint and 0-5VDC flow out. One 50-C-S is required for setpoint input, and an additional 50-C-S is required for flow output.

400-00-56 Cable Extension - 6 foot cable for extending distance between Model 400 and Model 470 control unit.



Model 470 with 50-C-S for 0-5VDC output