

# HIGH FLOW RATE ROTAMETERS

Capacities: 0.5 to 20 L/min of Water  
20 to 630 L/min of Air



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FL-400A  
**\$521**



Optional

- ✓ **±2% of Reading or ±1 Scale Division Accuracy, Whichever is Greater**
- ✓ **±1% of Reading or ±½ Scale Division Repeatability, Whichever is Greater**
- ✓ **Polycarbonate Shield for Pressurized Systems**
- ✓ **PTFE, Viton®, and Glass Wetted Parts**
- ✓ **Glass and 316 SS Floats for Wide Rangeability**



The FL-400A variable area flowmeter is used to measure the flow rate of liquids and gases in a variety of laboratory and industrial applications. This rotameter consists of a cylindrical float moving vertically in a glass tube with a tapered ID. As the flow through the tube increases, the float rises in the tube. By means of the scale on the tube and calibration charts, it is possible to obtain an accurate measurement of flow rate. By using floats of different densities, the maximum measurement range for the flow tube can be varied. The FL-400A rotameter is supplied with both glass and 316 SS floats.

## SPECIFICATIONS

**Dimensions:** 15%<sup>3</sup>/<sub>8</sub>" H, 1%<sup>1</sup>/<sub>4</sub>" OD  
**Metering Tube:** Borosilicate glass  
**Floats:** 316 SS and glass  
**Float Stops:** PTFE  
**O-Rings:** Viton® standard; PTFE, EPR optional  
**Shield Fitting (Not Wetted):** Polypropylene  
**Accuracy:** ±2% of reading or ±1 scale division, whichever is greater  
**Repeatability:** ±1% of reading or ±0.5 scale division, whichever is greater  
**Max. Temp:**  
**Water:** 82°C (180°F)  
**Other Fluids:** 93°C (200°F)  
**Max. Pressure Drop:** 20" H<sub>2</sub>O



PTFE insert.

High-clarity polycarbonate shield.

Both glass and 316 SS floats included.

FL-400A, \$521, shown smaller than actual size.

**MOST POPULAR MODEL HIGHLIGHTED!**

### To Order (Specify Model Number)

Model No.	Price	Float	Nominal Flow Range (L/min.)		Connection
			Air	Water	
FL-400A	\$521	Glass 316 SS	20 to 330 40 to 630	0.5 to 9 1 to 20	½" FNPT Max pres: 50 psig

Comes with complete operator's manual, both glass and 316 SS floats, and flow tables for air and water.

For 5-point NIST calibration certificate add "-NIST" to model number and \$225.

Ordering Example: FL-400A, shielded high flow rate rotameter, \$521.

### Accessory

Model No.	Price	Description
FW-343	\$125	Reference Book: Maintenance of Instruments and Systems



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### • Flow and Level

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