

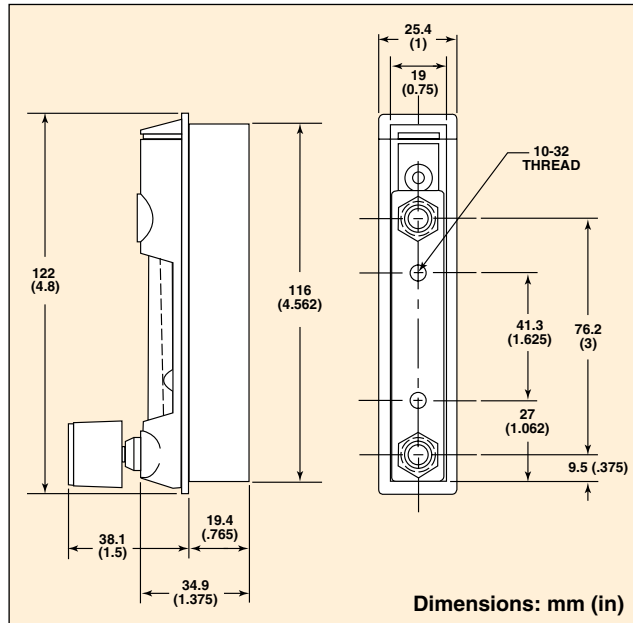
# ECONOMICAL PURGE VARIABLE AREA FLOW METERS

## FL-800 Series

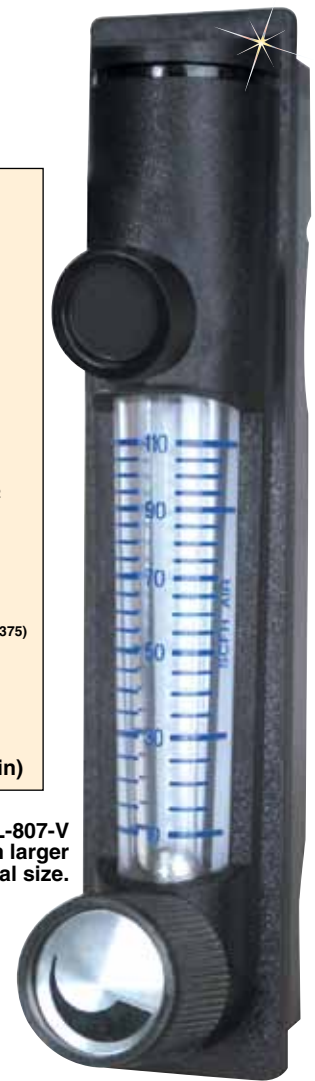


Optional

- ✓ Available for Use with Both Water and Air
- ✓ Flow Tube and Body Molded of High-Impact Polycarbonate
- ✓ Precision Adjusting Valve Optional for Flow Control
- ✓ High-Quality Construction
- ✓ Economy Combined with Accuracy
- ✓ Flow Ranges:  
Air 0.05 to 100 LPM;  
Water 4 CC/M to 40 GPH
- ✓ Supplied with Easy-to-Read 10:1 Direct Reading Scales
- ✓ Ideally Suited for OEM Applications



FL-807-V  
shown larger  
than actual size.



### Fittings:

**Standard:** Brass  
**Optional:** 304 stainless steel  
**Valve (Optional):** Brass or stainless steel cartridge type  
**Seal Material:** Buna with brass fittings; FKM with stainless steel

OMEGA's FL-800 molded flowmeter is available with 24 different air and water ranges. This unit is supplied with scales in LPM Air, SCFH Air, CC/M Water, and GPH Water, all with 10:1 turndown ratios. Molded of high impact polycarbonate, the FL-800 series has been designed to maintain maximum pressures to 100 psi at 21°C (70°F) and temperatures to 66°C (150°F) at 0 psig. The standard unit is supplied with a black body. These flowmeters are fitted with 1/8 FNPT inlet and outlet connections. An optional control valve and 304 SS construction are available.

### SPECIFICATIONS

**Accuracy:** ±4% full scale  
**Body and Tube:** polycarbonate  
**Floats:** black glass, carbide, or stainless steel  
**Temperature:** 66°C (150°F) max @ 0 psig  
**Pressure:** 100 psig max @ 21°C (70°F)

### To Order

Model No. Without Valves	Range SCFH Air	Model No. Without Valves	Range LPM Air
FL-801	0.1 to 1	FL-814	0.05 to 0.5
FL-802	0.2 to 2.5	FL-815	0.1 to 1.2
FL-803	0.4 to 5	FL-816	0.4 to 5.0
FL-804	1 to 11	FL-817	0.2 to 2.5
FL-805	2 to 22	FL-818	1 to 10
FL-806	4 to 60	FL-819	2 to 30
FL-807	10 to 110	FL-820	4 to 50
FL-808	20 to 200	FL-821	10 to 100
Model No.	Range GPH Water	Model No.	Range CC/M Water
FL-809	0.2 to 2.5	FL-822	4 to 50
FL-810	0.4 to 5	FL-823	5 to 110
FL-811	1 to 10	FL-824	20 to 320
FL-812	2 to 25		
FL-813	4 to 40		

Comes complete with operator's manual.

For units with valves, add suffix "-V" to model number, for additional cost. For units with no valve and 304 SS end fittings, add suffix "-SS" to model number, for additional cost.

For units with 304 SS valve and end fittings, add suffix "-VSS" to model number, for additional cost.

For optional 10-point NIST certificate add suffix, "-NIST" to the model number, for additional cost and two weeks to the standard lead time.

**Ordering Examples:** FL-801-SS, flowmeter with 0.1 to 1 SCFH air, no valve and 304 SS end fittings.

FL-809, flowmeter with 0.2 to 2.5 GPH water, no valve and standard brass fittings.