

ECONOMICAL IN-LINE FLOWMETERS

CAPACITIES: 0.2 to 30 GPM of Water, 0.2 to 30 GPM of Oil

FL-7000A



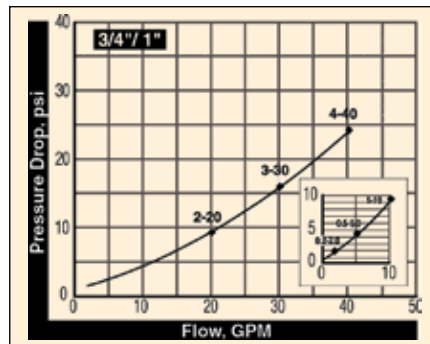
- ✓ ±2% Full Scale Accuracy
- ✓ ±1% Repeatability
- ✓ Mounts in Any Position
- ✓ Good Viscosity Stability
- ✓ Direct Readings for Oil and Water
- ✓ 241.3 bar (3500 psig) Pressure Rating
- ✓ Vertical Connectors for In-Line Mounting
- ✓ Temperature Rating: 116°C (240°F) Standard, 204°C (400°F) Optional
- ✓ For Clear and Opaque Fluids

The FL-7000A Series of general purpose flowmeters is designed to provide economical, accurate flowrate indication for oil and water. These industrial flowmeters utilize a spring-and-piston type assembly that enables them to be mounted in any position and makes them immune to changes in viscosity. FL-7000A meters can be used in severe environments, at up to 241.3 bar (3500 psig) and 116°C (240°F).

SPECIFICATIONS

- Accuracy:** ±2% FS
- Repeatability:** ±1%
- Connections:** ¼ FNPT
- Dimensions:** 72 x 63 mm (2.85 x 2.48") for 116°C (240°F) units
- Length:** 181.8 mm (7.16") for all units
- Maximum Pressure:** 241.3 bar (3500 psig)
- Maximum Temperature:** 116°C (240°F) standard, 204°C (400°F) at 124 bar (1800 psig) maximum, optional
- Shipping Weight:** 0.9 kg (2 lb) for oil, 1.8 kg (4 lb) for water meters
- Viscosity Range:** 44 to 400 SSU (±5%)
- Wetted Parts:** Polyphenylene sulfide/ceramic magnet, FKM O-Rings; FL-7100 has aluminum body and 302 SS spring; FL-7300BR has brass body and 302 SS spring

FL-7105A, shown actual size. For cutaway drawing of this unit and for correlation equations for other fluids, visit us online



Pressure Drop: Approximate pressure losses in flowmeters using oil at normal temperatures. Add 10% to pressure for equal water flows.

To Order

Model No.	LPM (GPM)	Flow Range Medium/ Dpecific Gravity
FL-7102A	0.8 to 7.5 (0.2 to 2)	Oil/0.876
FL-7105A	2 to 19 (0.5 to 5)	Oil/0.876
FL-7110A	3 to 37 (1.0 to 10)	Oil/0.876
FL-7120A	7 to 74 (2.0 to 20)	Oil/0.876
FL-7130A	11 to 114 (3.0 to 30)	Oil/0.876
FL-7302ABR	0.8 to 7.5 (0.2 to 2)	Water/1.0
FL-7305ABR	2 to 19 (0.5 to 5)	Water/1.0
FL-7310ABR	3 to 37 (1.0 to 10)	Water/1.0
FL-7320ABR	7 to 74 (2.0 to 20)	Water/1.0
FL-7330ABR	11 to 114 (3.0 to 30)	Water/1.0

Comes complete with operator's manual.

For units with BSPP threads add suffix "-BSPP" to model number, no additional charge.

For 204°C (400°F) units, add suffix "-H" to model number, for additional cost.

Ordering Examples: FL-7320ABR, brass water flowmeter, 2 to 20 GPM flow range.

FL-7120A-H, 204°C (400°F) oil flowmeter, 2 to 20 GPM flow rate.