

LARGE CAPACITY IN-LINE FLOWMETERS

**CAPACITIES: 3 to 150 GPM of Water,
3 to 150 GPM of Oil**

FL-8000 Series



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

The FL-8000A Series of general purpose flowmeters is designed to provide economical, accurate flow rate indication for oil and water. These industrial flowmeters utilize a spring-and-piston type assembly, which enables them to be mounted in any position and gives immunity to changes in viscosity. The FL-8000A meters can be used in severe environments, at up to 241.3 bar (3500 psig) and 116°C (240°F). Correlation equations for use with other fluids are available in the user's manual.

SPECIFICATIONS

Accuracy: ±2% full scale

Repeatability: ±1%

Connections: 1/4 FNPT

Dimensions: 119 x 104 mm (4.7 x 4.1") for 116°C (240°F) units

Length: 310 mm (12 3/16") for all units

Maximum Pressure: 241.3 bar (3500 psig)

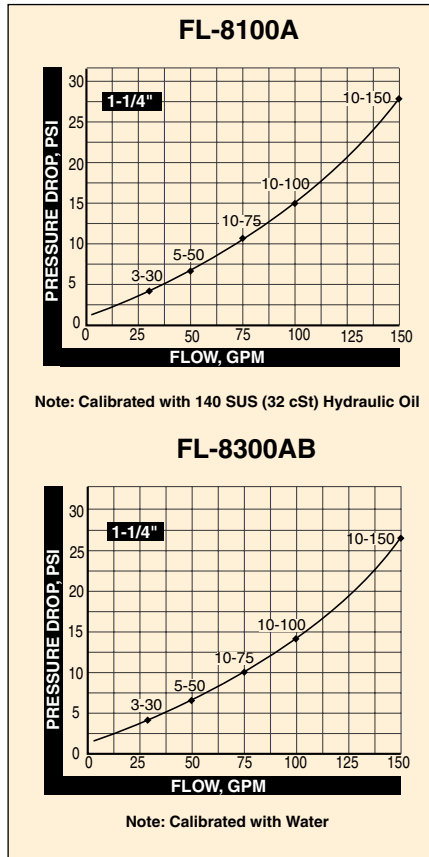
Maximum Temperature: 204°C (400°F) at 124 bar (1800 psig) maximum optional

Shipping Weight:

Oil: 3.3 kg (7.3 lb)

Water: 7.6 kg (16.8 lb)

Wetted Parts: Polyphenylene sulfide/ceramic magnet and FKM O-rings; FL-8100A has aluminum body and 302 SS spring; FL-8300AB has brass body and 302 SS spring



FL-8302AB shown smaller than actual size.

Pressure Drop:

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

To Order		
Model No.	Flow Range (GPM)	Medium/Specific Gravity
FL-8103A	3 to 30	Oil/0.876
FL-8105A	5 to 50	Oil/0.876
FL-8107A	10 to 75	Oil/0.876
FL-8110A	10 to 100	Oil/0.876
FL-8115A	10 to 150	Oil/0.876
FL-8302AB	3 to 30	Water/1.0
FL-8305AB	5 to 50	Water/1.0
FL-8307AB	10 to 75	Water/1.0
FL-8309AB	10 to 100	Water/1.0
FL-8313AB	10 to 150	Water/1.0

Comes complete with operator's manual.

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

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

Ordering Examples: FL-8305AB, water in-line flowmeter, 50 GPM.

FL-8107A-H, 400°F oil flowmeter.