## LARGE CAPACITY IN-LINE FLOWMETERS CAPACITIES: 3 to 150 GPM of Water, 3 to 150 GPM of Oil

## FL-8000 Series



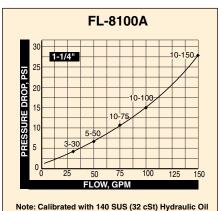
- ✓ ±2% Full Scale Accuracy
- ✓ ±1% Repeatability
- Mounts in Any Position
- Direct Reading for Oil and Water
- 241.3 bar (3500 psig) Pressure Rating
- Vertical Connections for In-Line Mounting
- High-Viscosity Immunity
- ✓ For Clear and Opaque Fluids
- 116°C (240°F) Standard, 204°C (400°F) Optional

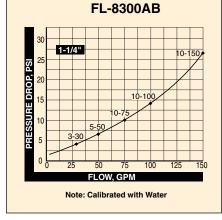
The FL-8000A Series of general purpose flowmeters is designed to provide economical, accurate flow rate indication for oil and water. These industrial flowmeters utilize a spring-and-piston type assembly, which enables them to be mounted in any position and gives immunity to changes in viscosity. The 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: 1¼ FNPT Dimensions: 119 x 104 mm (4.7 x 4.1") for 116°C (240°F) units Length: 310 mm (12<sup>3</sup>/<sub>16</sub>") 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

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.