

LARGE CAPACITY IN-LINE FLOWMETERS

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

FL-8000 Series
Starts at
\$735



Optional †

- ✓ ±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).

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 3/8") for all units

Max Pressure: 241.3 bar (3500 psig)

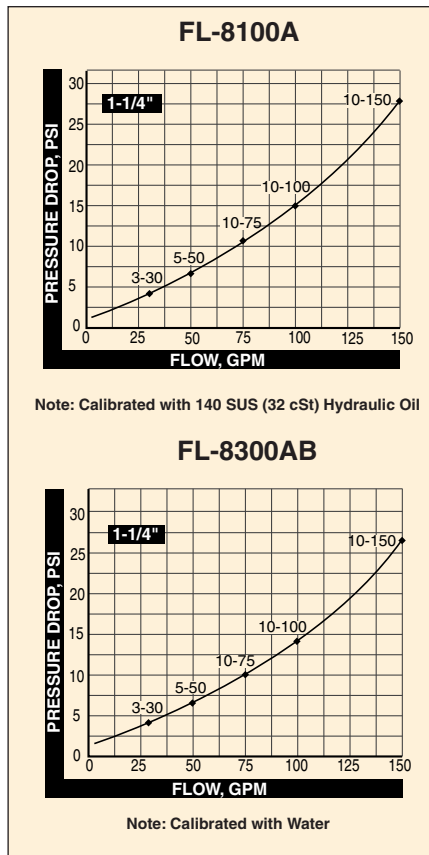
Max Temperature: 204°C (400°F) at 124 bar (1800 psig) max optional

Shipping Weight:

Oil: 3.3 kg (7.3 lb)

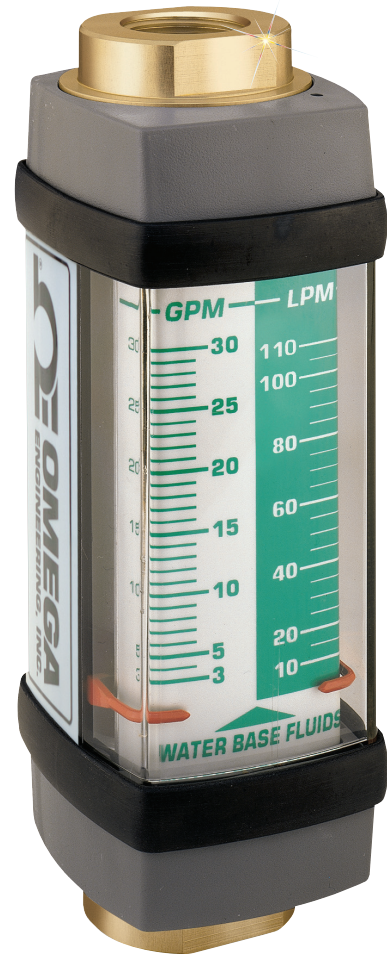
Water: 7.6 kg (16.8 lb)

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



Pressure Drop

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



FL-8302AB, \$1149, shown smaller than actual size.

For cutaway drawing of this unit, see page B-7.

For correlation equations for use with other fluids, see page B-8.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)			
Model No.	Price	Flow Range (GPM)	Medium/Specific Gravity
FL-8103A	\$735	3 to 30	Oil/0.876
FL-8105A	735	5 to 50	Oil/0.876
FL-8107A	735	10 to 75	Oil/0.876
FL-8110A	735	10 to 100	Oil/0.876
FL-8115A	735	10 to 150	Oil/0.876
FL-8302AB	1149	3 to 30	Water/1.0
FL-8305AB	1149	5 to 50	Water/1.0
FL-8307AB	1149	10 to 75	Water/1.0
FL-8309AB	1149	10 to 100	Water/1.0
FL-8313AB	1149	10 to 150	Water/1.0
CM-0498	100	Reference Book: Viscous Flows	

Comes complete with operator's manual.

For 204°C (400°F) units add suffix "-H" to model number and \$122 to price of oil units, \$45 to water units.

† For NIST certificate, add suffix "-NIST" to model number and \$275 to price.

Ordering Examples: FL-8305AB, water in-line flowmeter, 50 GPM, \$1149.

FL-8107A-H, 400°F oil flowmeter, 75 GPM, \$735 + 122 = \$857.

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