

IN-LINE FLOW METERS WITH LIMIT SWITCHES

**CAPACITY: 0.2 to 30 GPM of Water, 0.1 to 30 GPM of Oil,
2 to 250 SCFM of Air**

FL-6101B



Optional

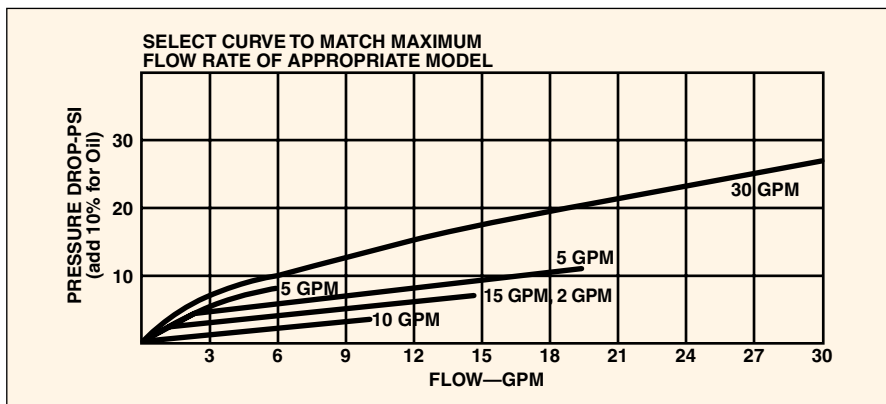
- ±2% Full Scale Accuracy
- ±1% Repeatability
- Direct Readings for Water, Oil, or Air
- Built-in Limit Switch for Alarm and Control
- Mounts in Any Direction
- Easy Setpoint Adjustment
- Splash-Proof Construction
- Compact Size
- ½ or ¾ FNPT Connections

OMEGA® in-line flow meters offer high accuracy flow rate indication for water, oil, or air and the ability to either control the flow rate or alarm on high or low flowrates. These units feature an SPDT switch that can be triggered at any point along the flow range.



FL-6101B shown smaller than actual size.

FL-6304B shown smaller than actual size.



SPECIFICATIONS

Switch: Micro SPDT 10A @ 250 Vac

Cable: 0.8 m (34") cable

Maximum Temperature and Pressure:

Water/Oil: 116°C (240°F)/3500 psi

Air: 116°C (240°F)/1000 psi

Dimensions (D x W x Lay Length):

½ NPT: 102 x 72 x 168 mm (4 x 2.82 x 6.6");

¾ NPT: 83 x 184 x 182 mm (3.3 x 7.3 x 7.2")

Wetted Parts:

Water Meters: C360 brass body, piston, and cone; T302 SS spring; ceramic magnet

Oil Meters: 2024-T351 anodized aluminum body, piston, and cone; T302 SS spring; ceramic magnet

Air Meters: 2024-T351 anodized aluminum body, piston, and cone; T302 SS spring; ceramic magnet

Enclosure: NEMA 12 (IP65)

Relay: 10A@250 Vac maximum; 0.5A@125 Vdc maximum

To Order

| Model No. | Medium Sp. Gr. | Range | Connections | Pressure Drop (psid) |
|-----------|----------------|----------------|-------------|----------------------|
| FL-6101B | Oil/0.876 | 0.1 to 1 GPM | ½ NPT | 1.2 |
| FL-6102B | Oil/0.876 | 0.2 to 2 GPM | ½ NPT | 1.2 |
| FL-6318B | Water/1.0 | 0.2 to 2 GPM | ½ NPT | 2 |
| FL-6304B | Water/1.0 | 0.5 to 5 GPM | ½ NPT | 3 |
| FL-6312B | Water/1.0 | 1 to 15 GPM | ½ NPT | 9 |
| FL-6720B | Air/100 psi | 3 to 25 SCFM | ½ NPT | 2 |
| FL-7605B | Oil/0.876 | 0.5 to 5.0 GPM | ¾ NPT | 8 |
| FL-7609B | Oil/0.876 | 1.0 to 10 GPM | ¾ NPT | 4 |
| FL-7615B | Oil/0.876 | 2 to 20 GPM | ¾ NPT | 7 |
| FL-7625B | Oil/0.876 | 3 to 30 GPM | ¾ NPT | 28 |
| FL-7825B | Water/1.0 | 3 to 30 GPM | ¾ NPT | 24 |
| FL-7940B | Air/100 psi | 5 to 50 SCFM | ¾ NPT | 3 |
| FL-7918B | Air/100 psi | 25 to 250 SCFM | ¾ NPT | 25 |

For 2 limit switches add "-R2" to part number for additional cost.

Ordering Examples: FL-6101B, in-line flow meter with limit switch for oil, 0.1 to 1 GPM
FL-6318B, in-line flow meter with limit switch for water, 0.2 to 2 GPM.

For 5-point NIST certificate add "-NIST5" to part number for additional cost.