



MJ100B



FS350B



FS200B
FS150B
FS100B



FS150P
FS200P
FS300P
FS400P

FS100P

Flow Meters and Sensors

Compatible with IQ3, IQ4, Maxicom, SiteControl, LINK, Site SAT, ESP- LXD, LXME, LXMEF, ESP-ME3 and LX-IVM Controllers

Features

- Simple six-bladed impeller design
- Designed for outdoor or underground applications
- Available in PVC, brass or stainless steel construction
- Pre-installed in tee or saddle mounted insert versions

Operating Specifications

- Accuracy: +- 1% (full scale)
- Velocity: 1/2-30 feet (0.15 - 9.2 meters) per second depending on model
- Pressure: 400 psi (27.5 bars) (max) on brass models; 100 psi (6.9 bars) (max) on plastic models
- Temperature: 220° F (105° C) (max) on brass models; 140° F (60° C) (max) on plastic models

MJ100B Analog 1" NPT Brass Flow Sensor

- Landscape Flow Sensor with analog register dial readout and wired connection for ESP-ME3 Controller
- Delivers precise accuracy with flow ranges from 1.2 gpm to 50 gpm
- Brass body and glass-filled nylon construction provide maximum protection against high-pressure surges, physical damage, and corrosion

FS Series Impeller Flow Sensors

- FS350B: Brass Insert Sensor
- FS100B, 150B, and 200B: Brass Sensors
- FS150P, 200P, 300P, and 400P: PVC Sensors
- FS100P: Tee Sensor

For complete Controller/Sensor compatibility information, see the Sensors & Meters Compatibility Matrix on page 96

Rain Bird Flow Sensor Suggested Operating Range

The following tables indicate the suggested flow range for Rain Bird Flow Sensors. Rain Bird Sensors will operate both above and below the indicated flow rates. However, good design practice dictates the use of this range for best performance. Sensors should be sized for flow rather than pipe size.

Models and Dimensions

| Model | Description | Dimensions |
|----------|---|---|
| MJ100B | 1" Brass Flow Sensor for the ESP-ME3 | 10.75" x 4.38" x 5.13" (273mm x 111mm x 130mm) |
| FS100P | 1" (25mm) PVC Tee Flow Sensor | 3.50" x 3.94" x 1.315" (89mm x 100mm x 33mm) |
| FS150P | 1 1/2" (40mm) PVC Tee Flow Sensor | 5.0" x 5.16" x 2.38" (127mm x 131mm x 60mm) |
| FS200P | 2" (50mm) PVC Tee Flow Sensor | 5.63" x 5.64" x 2.88" (143mm x 143mm x 73mm) |
| FS300P | 3" (75mm) PVC Tee Flow Sensor | 6.50" x 6.83" x 4.23" (165mm x 173mm x 107mm) |
| FS400P | 4" (110mm) PVC Tee Flow Sensor | 7.38" x 7.83" x 5.38" (187mm x 199mm x 137mm) |
| FS100B | 1 1/2" (40mm) Brass Tee Flow Sensor | 5.45" x 4.94" x 2.21" (138mm x 126mm x 56mm) |
| FS150B | 1" (25mm) Brass Tee Flow Sensor | 6.5" x 5.19" x 2.5" (165mm x 132mm x 64mm) |
| FS200B | 2" (50mm) Brass Tee Flow Sensor | 4.25" x 8.35" x 2.94" (108mm x 212mm x 75mm) |
| FS350B | 3" and higher, Brass Insert Flow Sensor | 7.13" x 3" (diameter) (181mm x 76mm (diameter)) |
| FS1NSERT | Replacement insert for Tee type sensors | |

| Model | Suggested Operating Range (Gallons / Minute) | Suggested Operating Range (Liters / Minute) | Suggested Operating Range (Cubic Meters / Hour) |
|--------|---|---|---|
| FS100P | 5.4 - 54 | 20 - 200 | 1.2 - 12 |
| FS150P | 5 - 100 | 19 - 380 | 1.1 - 23 |
| FS200P | 10 - 200 | 40 - 750 | 2.3 - 45 |
| FS300P | 20 - 300 | 75 - 1130 | 4.5 - 70 |
| FS400P | 40 - 500 | 150 - 1900 | 9 - 110 |
| FS100B | 2 - 40 | 7.6 - 150 | 0.5 - 9 |
| FS150B | 4 - 80 | 15 - 300 | 1 - 18 |
| FS200B | 10 - 100 | 38 - 380 | 2.3 - 23 |
| FS350B | Depends on Pipe Type and Size - please reference Flow Sensors tech spec | | |