

Safgard™

FLOW SWITCH

For accurate monitoring of liquid flow in pipelines

- Air Conditioning
- Water Treatment
- Liquid Transfer Systems
- Additive/Blending Systems
- Water Cooled Equipment
- Pumping Systems
- Hot Water Supply Systems
- Hot Water Space Heating
- Processing Systems



**HYDROLEVEL
COMPANY**

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Safgard
FLOW SWITCH

Model FS200
Model FS204

- EPDM Seal for Superior Performance over Mechanical Bellows
- Universal Design – Replaces Flow Switches by McDonnell Miller, Penn, Taco, Potter, Watts and others
- Single Pole Double Throw Switch for Operating Signal Devices, Motors, Alarms, Metering Devices and Heating Units
- Four Heavy Duty Stainless Steel Paddles
- Two 7/8" Electrical Knock-Outs for 1/2" Conduit
- For Use on 1" to 6" Diameter Pipe
- 1" NPT Pipe Connection



MODEL FS200



MODEL FS204

Enclosure: NEMA 1 – General Purpose
Control Chassis Material: 13 gauge galvanized steel
Control Cover Material: 16 gauge powder coated steel
Maximum Fluid Temperature: 250°F (121°C)
Minimum Fluid Temperature: 32°F (0°C)
Contacts: SPDT switch 7.4 FLA, 44.4 LRA @ 120VAC Motor Duty
Pilot Duty Rating: 125VA @ 120/240VAC
Maximum Service Pressure: 160 psi
Usage: 1" to 6" pipe sizes (see Flow Chart)



Enclosure: NEMA 4 – Wet Locations
Control Chassis Material: Anodized cast aluminum
Control Cover Material: Powder coated cast aluminum
Maximum Fluid Temperature: 250°F (121°C)
Minimum Fluid Temperature: 32°F (0°C)
Contacts: SPDT switch 7.4 FLA, 44.4 LRA @ 120VAC Motor Duty
Pilot Duty Rating: 125VA @ 120/240VAC
Maximum Service Pressure: 160 psi
Usage: 1" to 6" pipe sizes (see Flow Chart)



| | | FLOW SPECIFICATIONS | | | | | | | | | | |
|--------------------|-----------------|---------------------|------|------|------|-----|-----|------|------|------|--|--|
| | | Pipe Size ▶ | | | | | | | | | | |
| | | 1" | 1¼" | 1½" | 2" | 2½" | 3" | 4" | 5" | 6" | | |
| Minimum Adjustment | Flow Increases | 4.5 | 8.1 | 11.8 | 16.5 | 25 | 33 | 51 | 85* | 120* | | |
| | Flow Decreases | 2.2 | 6.8 | 7.6 | 9.3 | 19 | 22 | 38 | 75* | 100* | | |
| Maximum Adjustment | Flow Increases* | 14.8 | 22.1 | 25.7 | 32.3 | 75 | 90* | 110* | 170* | 240* | | |
| | Flow Decreases | 13.8 | 20.1 | 23.7 | 30.5 | 72 | 85* | 100* | 155* | 220* | | |

*Calculated for various pipe sizes. Flow rates may vary ±10% from values above.