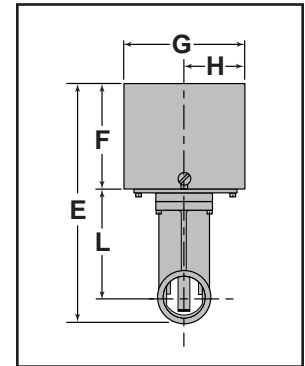
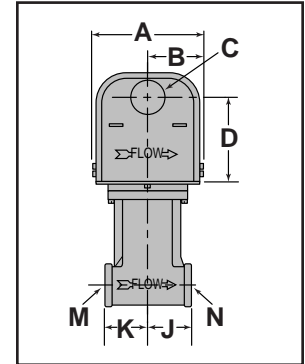


Flow Switches – Liquid

Series FS4-3T (for specified models)
General Purpose Liquid Flow Switches

- For starting or stopping electrically operated equipment such as signal lights, alarms, motors, automatic burners, metering devices and others
- In-line configuration eliminates need for a pipe tee
- Sizes available
 - 3/4" NPT
 - 1" NPT
- Paddles available for low, medium or high flow
- Two electrical knock-outs allows connection from either end
- Sensitivity adjusting screw makes flow adjustment easy
- Single pole, double throw snap switch
- Hardened stainless steel bearings minimize friction
- Sealed Monel bellows
- Minimum temperature (fluid or ambient) 32°F (0°C)
- Maximum temperature 300°F (149°C)
- Maximum pressure 160 psi (11.3 kg/cm²)



Electrical Ratings

| Voltage | Motor Switch Rating (Amperes) | | Pilot Duty |
|---------|-------------------------------|--------------|--|
| | Full Load | Locked Rotor | |
| 120 VAC | 7.4 | 44.4 | 125 VA at 120 or 240 VAC 50 or 60 cycles |
| 240 VAC | 3.7 | 22.2 | |

Dimensions, in. (mm)

| A | B | C | D | E | F | G |
|-------------|-------------|------------|-------------|-------------|--------------|------------|
| 3 (76) | 1½ (38) | 7/8 (22) | 2 7/32 (56) | 6 7/8 (175) | 2 15/16 (75) | 3 3/8 (86) |
| H | J | K | L | M NPT | N NPT | |
| 1 1/16 (43) | 1 5/16 (33) | 1 1/8 (29) | 3 1/16 (78) | 3/4 or 1 | 3/4 or 1 | |

Flow Switches – Liquid

Series FS4-3T (continued) General Purpose Liquid Flow Switches

Flow Rates

| Pipe Model Number | Size NPT in. | Settings | Mode of Operation | | Max. Flow Rate gpm (lpm) w/o Paddle Damage |
|-------------------|--------------|--------------------|-------------------|-------------------|--|
| | | | Flow gpm (lpm) | No Flow gpm (lpm) | |
| FS4-3T1-3/4 | 3/4 | Factory or Minimum | 4.4 (16.7) | 2.6 (9.8) | 16.62 (62.9) |
| | | Maximum | 10.5 (39.7) | 9.8 (37.1) | |
| FS4-3T2-3/4 | 3/4 | Factory or Minimum | 3.7 (14) | 2.2 (8.3) | |
| | | Maximum | 8.9 (33.7) | 8.3 (31.4) | |
| FS4-3T3-3/4 | 3/4 | Factory or Minimum | 2 (7.6) | 1.2 (4.5) | |
| | | Maximum | 4.5 (17) | 4.1 (15.5) | |
| FS4-3T1-1 | 1 | Factory or Minimum | 5 (18.9) | 3.2 (12.1) | 27 (102.2) |
| | | Maximum | 11.5 (43.5) | 11 (41.6) | |
| FS4-3T2-1 | 1 | Factory or Minimum | 4.8 (18.1) | 2.9 (11) | |
| | | Maximum | 10.1 (38.2) | 9.4 (35.6) | |
| FS4-3T3-1 | 1 | Factory or Minimum | 2 (7.6) | 1.2 (4.5) | |
| | | Maximum | 4.5 (17) | 4.1 (15.5) | |

Values are ± 10%

Ordering Information

| Model Number | Part Number | Description | Weight lbs. (kg) |
|---------------|-------------|-----------------------------------|------------------|
| FS4-3T1-3/4 | 114800 | 3/4" NPT body - high flow rate | 3 (1.4) |
| FS4-3T2-3/4 | 114900 | 3/4" NPT body - medium flow rate | 3 (1.4) |
| FS4-3T3-3/4 | 115000 | 3/4" NPT body - low flow rate | 3 (1.4) |
| FS4-3T1-1 | 115100 | 1" NPT body - high flow rate | 3 (1.4) |
| FS4-3T2-1 | 115200 | 1" NPT body - medium flow rate | 3 (1.4) |
| FS4-3T3-1 | 115300 | 1" NPT body - low flow rate | 3 (1.4) |
| FS4-3T3-3/4-E | 115001 | FS4-3T3-3/4 -CE conformance rated | 3 (1.4) |
| FS4-3T3-1-E | 115301 | FS4-3T3-1 -CE conformance rated | 3 (1.4) |

See pages 157 for CE conformance information

NOTE: DO NOT USE LIQUID FLOW SWITCHES ON SYSTEMS WITH FLOW GREATER THAN 10 FEET (3M) PER SECOND.