

## WATER FLOW SWITCH (Fig.1204)



**Fig. 1204**

- Fig.1204: 1" NPT Liquid Flow Switch.
- Bellow: Phosphor Bronze.
- Connection: 1" Male Threaded BS21
- Paddle: Plastic: ABS, Stainless steel, three-piece Paddle (3 in, 2in, and 1in. Segments) Installed: 6in. Paddle Supplies is uninstalled.

### Electronic Ratings.

| Moter Ratings                        | 120V | 208V | 240V | 227V |
|--------------------------------------|------|------|------|------|
| Horsepower                           | 1    | 1    | 1    | -    |
| AC Full Load Amps                    | 16   | 8.8  | 8    | -    |
| AC Locked Rotor Amps                 | 96.0 | 52.8 | 48.0 | -    |
| Noninductive or Resistance Load Amps | 16.0 | 16.0 | 16.0 | 16.0 |
| Pilot duty-125VA-24-227VAC           |      |      |      |      |

### Technical Specifications

Flow switch:

- Maximum Fluid Pressure 150 psig (1034 kPa).
- Minimum Fluid Temperature 0°C (32°F).
- Maximum Fluid Temperature 120°C (250°F).

Switch SPDT

- Wiring connections screwed type terminals four color –coded no.14 AWG solid conductor wire leads.
- Pipe stanard 1in. 11-1/2 NPT theads.
- Conduit connection one 7/8 in (22mm) hole for 1/2 in, Conduit with 1-1/8 in (29mm).

Knockout ring for 3/4 in. Conduit female hub for 1/2 in.

### Typical Flow Rates

| Pipe size (in) |                           | Required to Actuate Switch (m3/hr) |       |       |     |       |      |      |      |      |       |
|----------------|---------------------------|------------------------------------|-------|-------|-----|-------|------|------|------|------|-------|
|                |                           | 1                                  | 1.1/4 | 1.1/2 | 2   | 2.1/2 | 3"   | 4"   | 5"   | 6"   | 8"    |
| Min. adjust    | Flow increaser to Ycloses | 1.0                                | 1.3   | 1.7   | 3.1 | 4.1   | 6.2  | 18.4 | 28.4 | 43.1 | 85.2  |
|                | Flow Decreaser to Bcloses | 0.6                                | 0.8   | 1.1   | 2.2 | 2.7   | 4.3  | 8.4  | 12.9 | 16.8 | 46.6  |
| Max. adjust    | Flow increaser to Ycloses | 2.1                                | 3.0   | 4.4   | 6.6 | 7.8   | 12.0 | 29.1 | 55.6 | 85.2 | 172.6 |
|                | Flow Decreaser to Bcloses | 1.9                                | 2.8   | 4.1   | 6.1 | 7.3   | 11.4 | 18.4 | 26.8 | 32.7 | 94.2  |
|                |                           |                                    |       |       |     |       |      | 27.7 | 53.4 | 81.8 | 165.8 |
|                |                           |                                    |       |       |     |       |      | 17.3 | 25.2 | 30.7 | 90.8  |