

## FLOW SWITCH

### FCS Series - Flow Switch in Polyphenelene

## FCS-03

#### Design Features

- Polyphenelene Material
- Minimal pressure drop
- Operates from a small head of water
- Mount in any axis
- Suitable for water and air flow switching



#### Product Comments

- 3/8 inch BSP male threaded fittings
- Suitable for hot and cold potable water
- Reed Switch reliability
- Food grade material
- Easy installation

#### Typical Applications

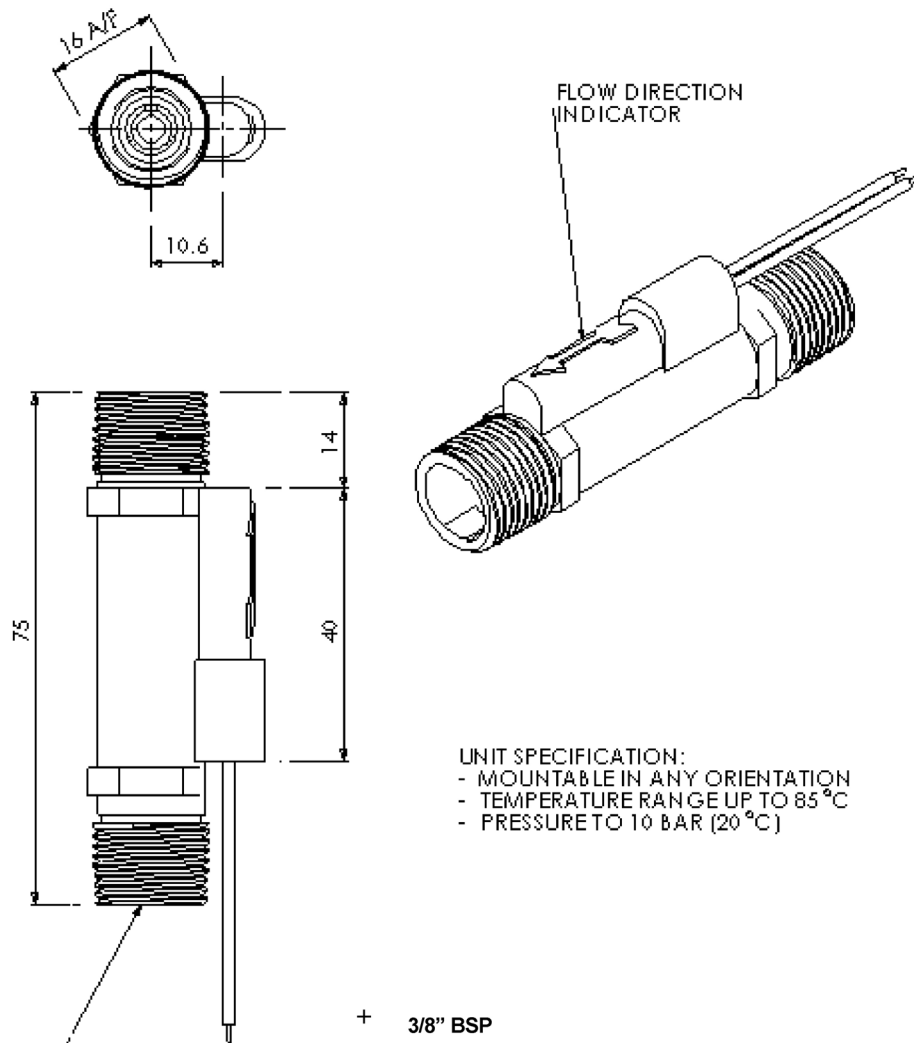
- Boiling Water
- Circulating Pump Protection
- Central Heating Systems
- Flow sensing
- Cooling systems

#### Material, Design and Operation

|                              |                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting:                    | Flow Switch Vertical or Horizontal                                                                                                                         |
| Material:                    | Polyphenelene                                                                                                                                              |
| Fitting                      | Flow Switch 3/8"BSP                                                                                                                                        |
| Contact Form:                | Form A -SPST                                                                                                                                               |
| Contact Material:            | Ruthenium                                                                                                                                                  |
| Maximum Watts                | 15 Watts                                                                                                                                                   |
| Maximum Switching Volts:     | 250 VAC                                                                                                                                                    |
| Maximum Switching Current:   | 1.0 A                                                                                                                                                      |
| Cable Type:                  | 2 x 22AWG, 16/0.2mm PVC insulated 0.5m long to UL/CSA/BS6361                                                                                               |
| Cable Colour:                | Black/Black                                                                                                                                                |
| Operating Temperature Range: | 100 °C                                                                                                                                                     |
| Medium/Liquid:               | Fuels & Oils , Solvents, Organic , Boiling Water , Acids, Organic , Drinking Water (Potable Water) , Deionised Water , Acids, Inorganic , Alcohols , Water |
| Flow Rate:                   | 0.5 litres/min                                                                                                                                             |
| Operating Pressure:          | 10 BAR                                                                                                                                                     |
| Mounting Shock:              | 50g for 11ms duration                                                                                                                                      |
| Mounting Vibration:          | 35g up to 500Hz                                                                                                                                            |
| Approvals:                   | Meets UL 94-HB flammability rating                                                                                                                         |

## Line Drawing

### FCS-03



### Installation

- Pipework to be cut square and burr free
- Compression fitting mating connectors to be of suitable quality.
- The installation should be checked to ensure that no leaking is evident.
- Pipework/connector alignment imperative (avoiding bending stress).