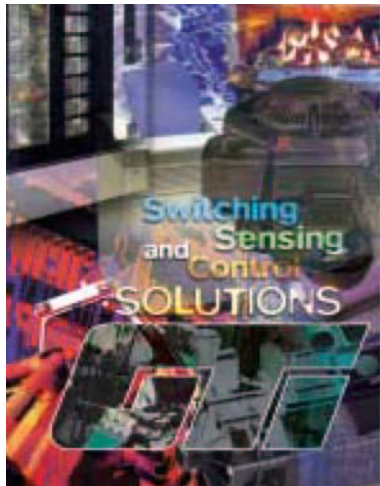




## Switching, Sensing and Control Solutions

from GENTECH INTERNATIONAL LTD

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# FCS Series



## Flow Switch In Noryl Materials

## DESIGN FEATURES

- Compact Design
- Operates with small head of water
- Mountable in any orientation
- Food grade materials
- Noryl material for wetted parts
- Other materials available
- Reed Switch reliability
- Temperature range up to 85° C
- Pressure to 10 bar (20° C)
- Low flow rate 0.5L/Min available
- Low pressure drop

### Operating Characteristic

| Contact Configuration                    | SPST     |      |
|------------------------------------------|----------|------|
| Contact ratings maximum (resistive load) | Volts DC | 100  |
|                                          | Volts AC | 250  |
|                                          | Amps     | 1.0  |
|                                          | Watts    | 10   |
| Maximum withstand across open contacts   | Volts DC | 600  |
| Initial contact resistance               | Ohms     | 0.25 |

The above contact ratings are for resistive loads, for inductive, capacitive and tungsten filament lamp loads, refer to the circuit protection notebook

### Environmental Specifications

|                       |               |
|-----------------------|---------------|
| HOUSING MATERIAL      | Noryl         |
| SHUTTLE MATERIAL      | Noryl         |
| OPERATING TEMPERATURE | -30 to + 85°C |

Detailed chemical resistance information for specific liquids is available on request.

### Flow Specifications

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Operate Flow Rates | 0.6 ± 0.3Litres/min, (0.13 ± 0.08 US Gallons/Min) Switch Horizontal |
| Flow Direction     | Arrow Indication                                                    |
| Pressure Drop      | 0.17 Bar (2.5PSI) at 10 Litres/min (2.64 US Gallons/min)            |

### Mechanical Specifications

| Mounting Position | Pipe Thread | Shock<br>(reed-switch only) | Vibration<br>(reed-switch only) |
|-------------------|-------------|-----------------------------|---------------------------------|
| Any Plane         | Connection  | 50g for 11ms                | 35g up to                       |
|                   | 3/8"BSP     | duration                    | 500 HZ                          |
|                   | 3/8" NPT    |                             |                                 |

### Part Number

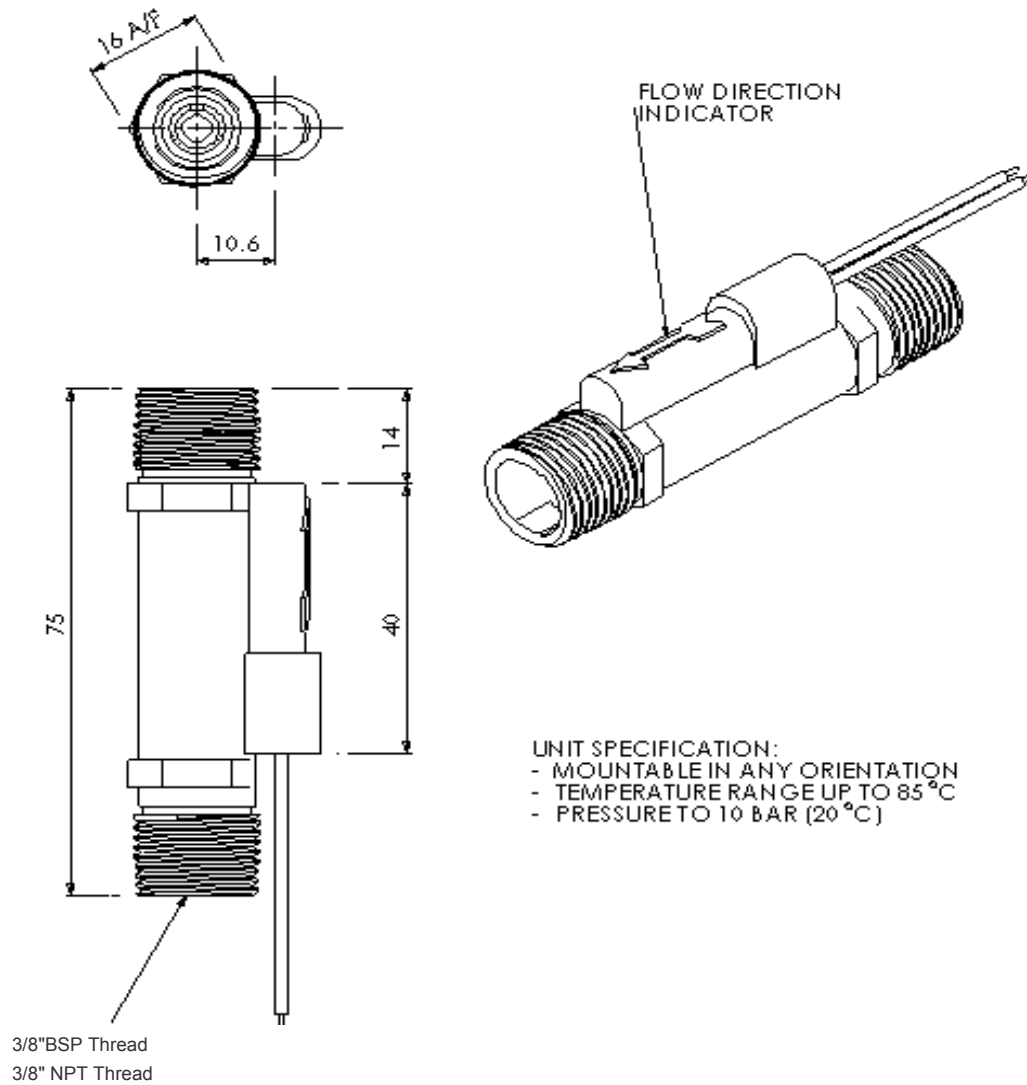
FCS - 01 = 3/8" BSP thread

FCS - 02 = 3/8" NPT thread

### Electrical Connections

Fitted with 2 x 0.5 meters of 22 AWG 16/0.2mm UL 1015 PVC Insulation

## Dimensions



## **Installation & Applications**

Please contact our Technical Sales Team for Installation details or assistance related to the application of this sensor



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