

## Float Switch with Pneumatic Output - Series FLT

Our *Float Switch with Pneumatic Output (Float Switch)* is designed to be mounted into the top of a tank into which access is possible to secure the locknut and float. The float switch will provide a 2 to 6 bar output at a given liquid level, determined by the length of the rod supporting the float.

As the liquid level in the tank rises to meet the 316 stainless steel float, it lifts both the float and the rod that supports it. The rod, which slides within a PTFE bush, has a ceramic magnet fitted at the upper end. It is the movement of this magnet, detected through the PTFE bush, that operates the magnetically operated output valve within the float switch.

This arrangement ensures that the output valve is completely isolated from the process whatever the liquid level in the tank.

The float switch can be configured as either Normally Open (N.O.), which provides an output when the liquid level is below the switching point, or Normally Closed (N.C.), which provides an output when the liquid level is above the switching point.

The upper section of the float switch is 55mm diameter by 120mm long (above the top of the tank). The connection thread on the float switch is 1/2" BSP.P, a locknut for which is supplied.

Please specify the operating point required for the float switch (relative to the top of the tank), and if a N.O. or N.C. output is required. Standard pneumatic connections are 6mm push-in brass fittings and the float is 3.5" (89mm) diameter.

### General Specification

|                           |   |
|---------------------------|---|
| <b>Pilot Pressure:</b>    | 2 to 6 Bar                                      |
| <b>Wetted parts:</b>      | 316 Stainless Steel                             |
| <b>Operation:</b>         | Magnetically Operated                           |
| <b>Mounting:</b>          | Top of Tank                                     |
| <b>Connection:</b>        | 6 mm Push-In Brass Fittings                     |
| <b>Bush Material:</b>     | PTFE  |
| <b>Magnet Material :</b>  | Ceramic   |
| <b>Configuration:</b>     | N.O.: Normally Open<br>N.C.: Normally Closed    |
| <b>Connection Thread:</b> | 1/2" BSP  |
| <b>Dimensions:</b>        | 55 mm diameter by 120 mm long<br>Float is 89 mm |



FLT - Series

For other options, please contact us [Sales@rototherm.co.uk](mailto:Sales@rototherm.co.uk) or +44 (0)1656 740551

### Main Applications

A **world leader** in positioners, Rototherm has become the standard for accurate and reliable measurement across the following industries:



Power  
Generation



Oil & Gas



Pharmaceutical



Chemical,  
Petrochemical &  
Refining



Waste Water

## Technical Certification

- Certificate of conformity
- Factory Test Certificate
- Factory Calibration Certificate (3 point)
- Factory Calibration Certificate (5 point)
- Material Certificate

## Calibration and After-Sales Support

- Fully trained field service personnel
- Use of UKAS certified calibration equipment
- 5 day turnaround
- Fixed pricing
- Approved manufacturer parts
- Full post-service reports
- 12 month warranty



## Export Documentation

- Certificate of Origin
- EUR1
- ATR



For more information, please contact our service team  
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