

## LF Flow switch

### STANDARD SPECIFICATION

**BODY** Brass (CZ121) or 316 Stainless Steel

**FLOAT** Brass (CZ121) or 316 Stainless  
Steel with an encapsulated magnet

**CONNECTIONS** 1/2" or 3/4" BSP Female

**TEMPERATURE RATING** -20 to 105°C

**PRESSURE RATING** 70 bar maximum @ 20°C

**SWITCH FUNCTION** Single Pole Single Throw (S.P.S.T.)  
Normally open - Open circuit for  
low flow alarm. Closed circuit for  
high flow alarm

**SWITCH RATING** Maximum values for resistive load  
are 400V d.c., 240V a.c., 500mA, 10W

**OPERATING LIFE** 2 x 10<sup>6</sup> @ 240V a.c., 100mA or  
50Vd.c., 100mA

**LEAD** 300mm. 2 Cores with 8mm tinned  
bare ends. Teflon insulation,

**ACCURACY** ±10%

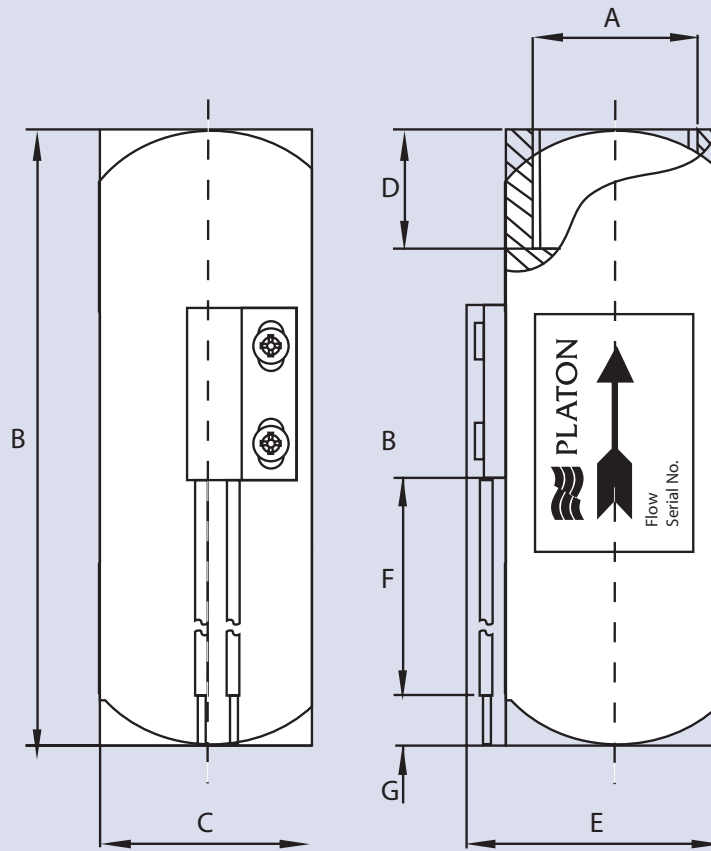
**HYSTERESIS** less than 5%

### INSTALLATION

1. Remove all packaging and inspect internally to check that float movement is not inhibited.
2. The flowswitch should be fitted in a vertical pipeline ( $\pm 5^\circ$ ) with the flow direction arrow upwards.
3. Before the instrument is installed, the pipework should be cleared of any foreign matter likely to inhibit the meters performance. A 50 micron filter should be fitted upstream of the instrument, if particles larger than this might be present in the process fluid.
4. The upstream & downstream pipe bores should be of the same nominal size as the instrument. Minimum upstream & downstream pipe lengths should be 150mm.
5. Ensure that any ferro-magnetic material is clear of the reed switch by 100mm minimum.
6. The alarm settings are for falling flow where the switch contacts open and the resetting flow where the contacts make.

### MAINTENANCE

1. This instrument should not normally require any maintenance, but if the performance of the flowswitch is in doubt remove the instrument from the pipework and clean out any deposits or debris that may have restricted the float movement. Longer term maintenance may require that the reed switch will need replacing. Reed Switch code number - 27740.
2. When replacing the reed switch ensure that it is centralised about the screws.



SIZE	A	B	C	D	E	F	G
1/2"	1/2" BSP	90	25.4Sq	12	31	202	8
3/4"	3/4" BSP	100	34.9Sq	20	41		

	ISSUE	DATE	C/N
	1	01/06/94	ISSUE
<b>CUSTOMER</b> .....			
<b>REFERENCE No.</b> .....			
<b>TAG No.</b> .....			
<b>INSTRUMENT</b> .....			
<b>FLOW</b> .....			
<b>FLUID</b> .....			
<b>CONDITIONS</b> .....			
<b>CONNECTIONS</b> .....			
<b>OUR REFERENCE</b> .....			
<b>DRAWN BY</b> .....			
<b>APPROVED BY</b> .....			
<b>DAT</b> .....			

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