



### **FC Series Hydraulic Pressure Ranges** **Diaphragm Operated Pressure Switch**

- Ranges available up to 400 bar (5800 psi).
- Maximum working pressures up to 500 bar (7250 psi).
- Black Epoxy powder coated die cast aluminium and all stainless steel enclosures.
- Flameproof EExd IIC T6 – ATEX & IECEX.
- Field set point adjustment against a reference scale - optional.
- SPDT or DPDT switching and optional gold alloy contacts.
- Optional wetted materials include – Monel, Titanium, Tantalum & Hastelloy C
- Terminal block for easy field wiring.
- Hermetically sealed microswitch options.
- 316 stainless steel wetted parts.
- NACE MR-01-75 compatibility – optional.
- Quality Management System – ISO 9001:2008 thru BSI Management Systems.

Orion Pressure Switches are suitable for a wide range of applications in many Industry sectors including:

- Oil & Gas • Chemical • Petrochemical • Refining • Power • OEM

## Technical Details:

Description		Code		
<b>Enclosures</b>				
Hazardous Area enclosure – Current marking: Ex d IIC Gb Ex tb IIIC Db T85°C (-20°C < Ta<+60°C) IP66		ATEX	FC	
		IECEX	FC	
<b>Cable Entry</b>				
		½" NPTF	1	
		¾" NPTF	2	
		M20 x 1.5	3	
<b>Scale</b>				
		No scale	P1	
		Scale in Bar	P2	
		Scale in PSI	P3	
<b>Ranges</b>		<b>Bar</b>	<b>Max. Bar</b>	
		2 – 20	200	H2T
		5 – 40	200	H4T
		10 – 100	200	H1H
		7 – 200	400	H2H
		40 – 400	500	H4H
<b>Microswitch Type</b>				
General Purpose 15A, 250VAC			A1	
Hermetically Sealed 4 A, 115 VAC / 28 VDC			A2	
Gold Plated contacts for low voltage and I.S. applications			A3	
High DC ratings			A5	
Adjustable deadband			A6	
2SPDT configuration			A7	
<b>Pressure Housing material &amp; Process connection size</b>				
	316 ss	¼" BSPF	S1	
	316 ss	¼" NPTF	S2	
<b>Diaphragm / 'O' Ring material</b>				
	316L ss	Teflon	2	

Example: A Flameproof switch for Gas Group IIC with ½" NPT cable entry in Aluminium housing, with one SPDT general purpose microswitch rated at 15A, 316 st.st. Pressure housing with ¼" BSP port size & SS316L diaphragm would have the model code: FC 1 P1 H4T A1 S1 2

### How can we help you?

Orion's range of reliable Pressure Measurement Instruments can be customised to meet individual requirements. For technical advice or to discuss your application, please contact us on +44 (0) 1892 664499

