

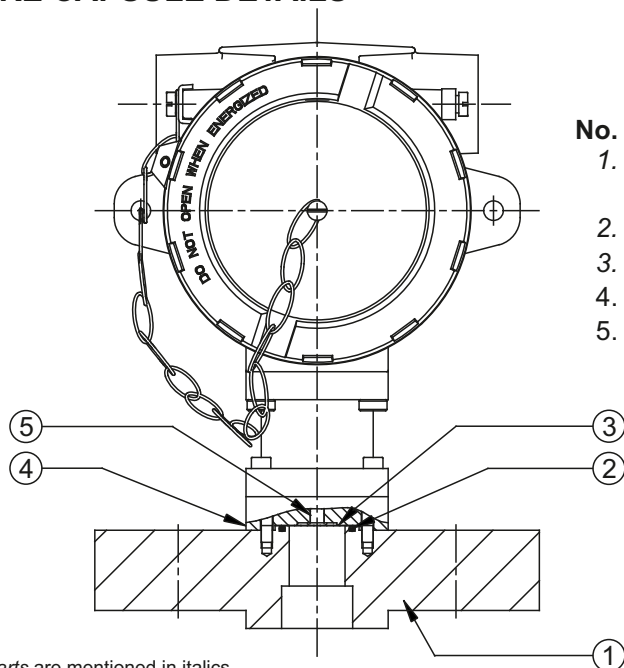
FLANGED PRESSURE SWITCHES FC/FE



FE



PRESSURE CAPSULE DETAILS

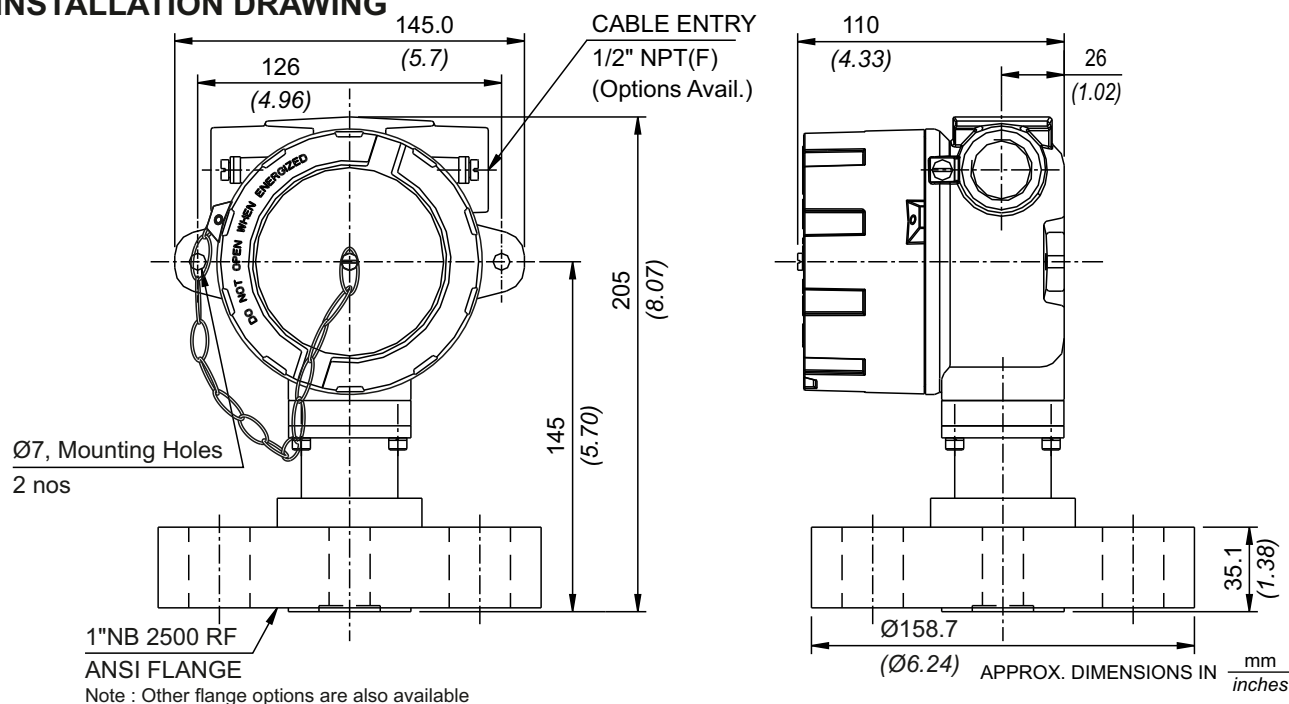


No. Description

1. ANSI FLANGE to your specifications
please refer table for possible combinations
2. Sealing Ring
3. Diaphragm
4. Disc
5. Plunger

Note : wetted parts are mentioned in italics.

INSTALLATION DRAWING



FC/FE FLANGED PRESSURE SWITCHES

RANGE SELECTION TABLE

Range Code	Range bar (psi)	Differential* bar (psi)	Maximum Working Pressure bar (psi)
		Approximate Maximum for "A1" microswitch	
H01	0.1 to 1.0 (1.45 to 14.50)	0.10 (1.45)	As per the class of flange Please consult Sales Office in case you need clarification on availability of maximum working pressure for a particular range.
H02	0.1 to 1.5 (1.45 to 21.76)	0.12 (1.74)	
H03	0.2 to 2.6 (2.90 to 37.71)	0.15 (2.17)	
H04	0.2 to 3.6 (2.90 to 52.21)	0.20 (2.90)	
H07	0.5 to 7.0 (7.25 to 101.53)	0.40 (5.80)	
H10	0.5 to 10.0 (7.25 to 145.04)	0.60 (8.70)	
H15	1.0 to 15.0 (14.50 to 217.56)	1.00 (14.50)	
H30	5.0 to 25.0 (72.52 to 362.59)	1.50 (21.75)	
H4T	5.0 to 40.0 (72.52 to 580.15)	5.0 (72.52)	
H1H	10.0 to 100.0 (145.04 to 1450.38)	12.0 (174.05)	
H2H	7.0 to 200.0 (101.53 to 2900.75)	24.0 (348.09)	
H4H	40.0 to 400.0 (580.151 to 5801.51)	70.0 (1015.26)	

FLANGE CODE TABLE (Please refer page no. 120 & 121 for more options)

	SS316L		Hastelloy C276		Monel		Titanium		Tantalum	
	RF*	FF*	RF*	FF*	RF*	FF*	RF*	FF*	RF*	FF*
150 #										
1" NB	AC	BS	DI	EY	GO	IE	JU	LK	NA	OQ
2" NB	AF	BV	DL	FB	GR	IH	JX	LN	ND	OT
300#										
1" NB	AI	BY	DO	FE	GU	IK	KA	LQ	NG	OW
2" NB	AL	CB	DR	FH	GX	IN	KD	LT	NJ	OZ

Note:

*RF = Raised Face *FF = Flat Face

1. The minimum differential increases with the setpoint. The differential values mentioned in the above table are approximate maximum for FSR. The differential value will vary according to the pressure range selected and microswitch type. For actual values of differential please contact sales office.

2. When using 2SPDT switching arrangement, both microswitches may not actuate and/or deactuate at the same point. A small stage gap, normally upto +/- 5% FSR (depending on range code) may be observed. The On-Off differential (hysteresis) typically tends to be atleast double of those published for 1SPDT pressure switches.

If actuation and/or deactuation at same point is critical part of operation, then it can be achieved by using a separate DPDT relay. This relay will need a separate power supply for it's coil.

RANGE AVAILABILITY AS PER BORE SIZES

	H01 to H04	H07	H10	H15	H30	H4T to H2H
1" NB	NA	Yes	Yes	Yes	Yes	Yes
2" NB	Yes	Yes	Yes	Yes	Yes	Yes

Note : When using 2SPDT switching arrangement, both microswitches may not actuate and/or deactuate at the same point. Please refer note no. 7 on page no. 122.

FLANGED PRESSURE SWITCHES

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eg. A flameproof switch for gas group IIC, with ½" NPT cable entry in aluminium housing with an ANSI flange, having 0.5 bar to 7 bar pressure range, with 15 Amp. microswitch, 1" NB 150# RF SS316L flange & SS316L diaphragm shall be specified by

Please specify full model number to avoid ambiguity. If only the first two groups are specified while ordering, uncalibrated switches with standard wetted parts and enclosures will be supplied.