Dimensional Print

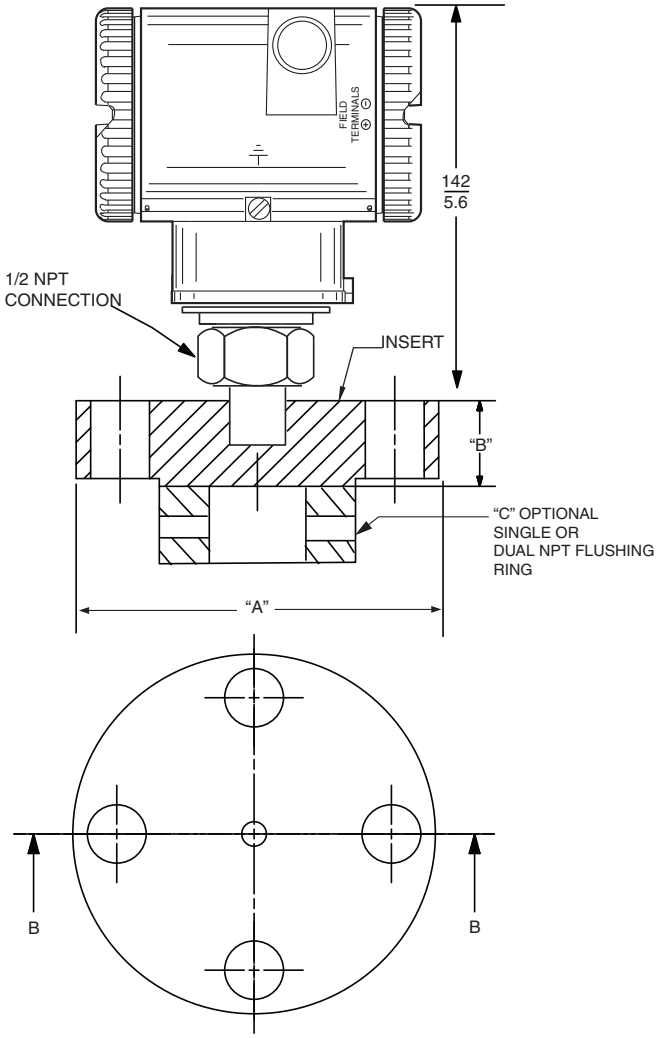
DP 020-357
February 2016

Flanged Flush Transmitter-Mounted Seals

Model PSFFD

For use with I/A Series Pressure Transmiters

FLANGE RATING AND MATERIAL MODEL SELECTIIONS CODES E, F, G AND H (316 SS)



NOTES

1. See Tables 1 and 2 on next page for dimensions "A", "B", and "C"
2. 4-Hole Bolt Configuration shown see Bolt Hole Configuration on Page 3.
3. For transmitter dimensions, refer to the transmitter Dimensional Print.

For dimensional information specific to your sales order, contact your sales representative to order a Certified Dimensional Print (CDP).

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Table 1. Dimensional Data Model Selections Codes E, F, G, and H (316 ss)

Nominal Flange Size	Flange Pressure Rating	Diaphragm Diameter	Number of Bolt Holes	Bolt Hole Dia.	Bolt Circle Dia.	Dim A	Dim. B
1.5 in (40 mm)	Class 150	1.9	4	15. 0.62	98.55 3.88	127 5.00	17.27 0.68
	Class 300		4	22 0.88	114.3 4.50	155.4 6.12	20.57 0.81
	Class 600		4	22 0.88	114.3 4.50	155.4 6.12	28.45 1.12
2 in (50 mm)	Class 150	2.4	4	19 0.75	121 4.75	152 6.0	19 0.75
	Class 300		8	19 0.75	127 5.00	165 6.50	22 0.88
	Class 600		8	19 0.75	127 5.00	165 6.50	31.75 1.25
3 in (80 mm)	Class 150	3.5	4	19 0.75	152 6.00	190.5 7.50	23.87 0.94
	Class 300		8	22 0.88	168 6.62	209.55 8.25	28.45 1.12
	Class 600		8	22 0.88	168 6.62	209.55 8.25	38 1.50
4 in (100 mm)	Class 150	3.5	8	19 0.75	190.5 7.50	228.6 9.0	23.87 0.94
	Class 300		8	22 0.88	200 7.88	254 10.0	31.75 1.25
	Class 600		8	25 1.00	216 8.50	273 10.75	44.45 1.75
DN40 (40 mm)	PN 10/40	1.9	4	18 0.71	110 4.33	149.86 5.90	18.03 0.71
DN50 (50 mm)	PN 10/40	2.4	4	18 0.71	125 4.92	165 6.50	19.81 0.78
DN80 (80 mm)	PN 10/40	3.5	8	18 0.71	160 6.30	199.89 7.87	23.87 0.94
DN100 (100 mm)	PN 10/40	3.5	8	22 0.87	190 7.48	234.95 9.25	23.87 0.94

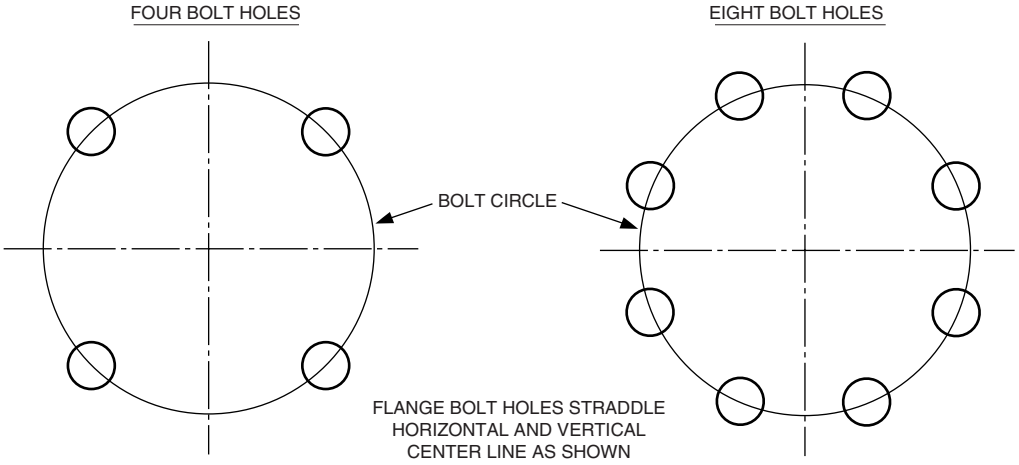
Table 2. Optional Flushing Ring Dimension “C”

Raised Face Flange	Material	NPT Flushing Connections	Dim. C (Flushing Ring)		
			I.D.	O.D.	Height
1.50 in (40 mm)	316 ss	1/4 NPT	40.89 1.61	73.15 2.88	25.0 1.00
	Hastelloy C	1/4 NPT			
	316 ss	1/2 NPT	40.89 1.61	80 3.00	38.1 1.50
	Hastelloy C	1/2 NPT			
	316 ss	1/4 NPT (Dual)	40.89 1.61	73.15 2.88	25.0 1.00
	Hastelloy C	1/4 NPT (Dual)			
	316 ss	1/2 NPT (Dual)	40.89 1.61	80 3.00	38.1 1.50
	Hastelloy C	1/2 NPT (Dual)			

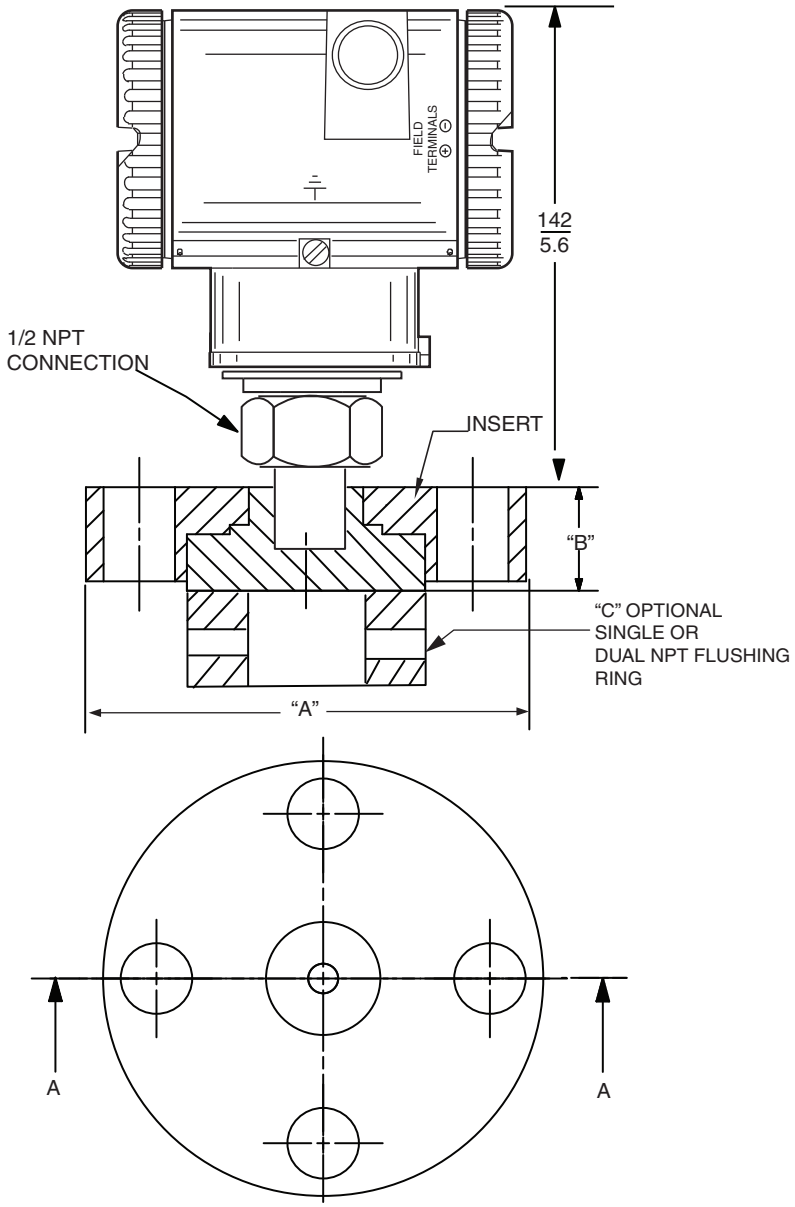
Table 2. Optional Flushing Ring Dimension “C”

Raised Face Flange	Material	NPT Flushing Connections	Dim. C (Flushing Ring)		
			I.D.	O.D.	Height
2 in (50 mm)	316 ss	1/4 NPT	52.58 / 2.07	92 / 3.62	25.0 / 1.00
	Hastelloy C	1/4 NPT			
	316 ss	1/2 NPT	52.58 / 2.07	92 / 3.62	38.1 / 1.50
	Hastelloy C	1/2 NPT			
	316 ss	1/4 NPT (Dual)	52.58 / 2.07	92 / 3.62	25.0 / 1.00
	Hastelloy C	1/4 NPT (Dual)			
	316 ss	1/2 NPT (Dual)	52.58 / 2.07	92 / 3.62	38.1 / 1.50
	Hastelloy C	1/2 NPT (Dual)			
3 in (80 mm)	316 ss	1/4 NPT	76.2 / 3.0	127 / 5.0	25.0 / 1.00
	Hastelloy C	1/4 NPT			
	316 ss	1/2 NPT	76.2 / 3.0	127 / 5.0	38.1 / 1.50
	Hastelloy C	1/2 NPT			
	316 ss	1/4 NPT (Dual)	76.2 / 3.0	127 / 5.0	25.0 / 1.00
	Hastelloy C	1/4 NPT (Dual)			
	316 ss	1/2 NPT (Dual)	76.2 / 3.0	127 / 5.0	38.1 / 1.50
	Hastelloy C	1/2 NPT (Dual)			
4 in (100 mm)	316 ss	1/4 NPT	102.3 / 4.03	157 / 6.19	25.0 / 1.00
	Hastelloy C	1/4 NPT			
	316 ss	1/2 NPT	102.3 / 4.03	157 / 6.19	38.1 / 1.50
	Hastelloy C	1/2 NPT			
	316 ss	1/4 NPT (Dual)	102.3 / 4.03	157 / 6.19	25.0 / 1.00
	Hastelloy C	1/4 NPT (Dual)			
	316 ss	1/2 NPT (Dual)	102.3 / 4.03	157 / 6.19	38.1 / 1.50
	Hastelloy C	1/2 NPT (Dual)			

FLANGE BOLT HOLE CONFIGURATIONS



FLANGE RATING AND MATERIAL MODEL SELECTIONS CODE 1, 2, 3, AND A



NOTES

1. :See Table 3 on next page for dimensions "A", "B", and Table 2 for dimension "C"
2. 4-Hole Bolt Configuration shown see Bolt Hole Configuration on Page 3.
3. For transmitter dimensions, refer to the transmitter Dimensional Print.

Table 3. Dimensional Data Model Selections Codes 1, 2, 3, and A (Carbon Steel)

Nominal Flange Size	Flange Pressure Rating	Diaphragm Diameter	Number of Bolt Holes	Bolt Hole Dia.	Bolt Circle Dia.	Dim A	Dim. B
1.5 in (40 mm)	Class 150	1.9	4	15 / 0.62	98.55 / 3.88	127 / 5.00	28.45 / 1.12
	Class 300		4	22 / 0.88	114.3 / 4.50	155.4 / 6.12	31.75 / 1.25
	Class 600		4	22 / 0.88	114.3 / 4.50	155.4 / 6.12	35.05 / 1.38
2 in (50 mm)	Class 150	2.4	4	19 / 0.75	121 / 4.75	152 / 6.0	30.23 / 1.19
	Class 300		8	19 / 0.75	127 / 5.00	165 / 6.50	33.53 / 1.32
	Class 600		8	19 / 0.75	127 / 5.00	165 / 6.50	38.1 / 1.50
3 in (80 mm)	Class 150	3.5	4	19 / 0.75	152 / 6.00	190.5 / 7.50	34.79 / 1.37
	Class 300		8	22 / 0.88	168 / 6.62	209.55 / 8.25	29.21 / 1.15
	Class 600		8	22 / 0.88	168 / 6.62	209.55 / 8.25	38 / 1.50
4 in (100 mm)	Class 150	3.5	8	19 / 0.75	190.5 / 7.50	228.6 / 9.0	35.05 / 1.38
	Class 300		8	22 / 0.88	200 / 7.88	254 / 10.0	42.93 / 1.69
	Class 600		8	25 / 1.00	216 / 8.50	273 / 10.75	50 / 2.00
DN40 (40 mm)	PN 10/40	1.9	4	18 / 0.71	110 / 4.33	152.15 / 5.90	32.51 / 1.28
DN50 (50 mm)	PN 10/40	2.4	4	18 / 0.71	125 / 4.92	165 / 6.50	33.53 / 1.32
DN80 (80 mm)	PN 10/40	3.5	8	18 / 0.71	160 / 6.30	199.89 / 7.87	33.53 / 1.32
DN100 (100 mm)	PN 10/40	3.5	8	22 / 0.87	190 / 7.48	234.95 / 9.25	33.53 / 1.32

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