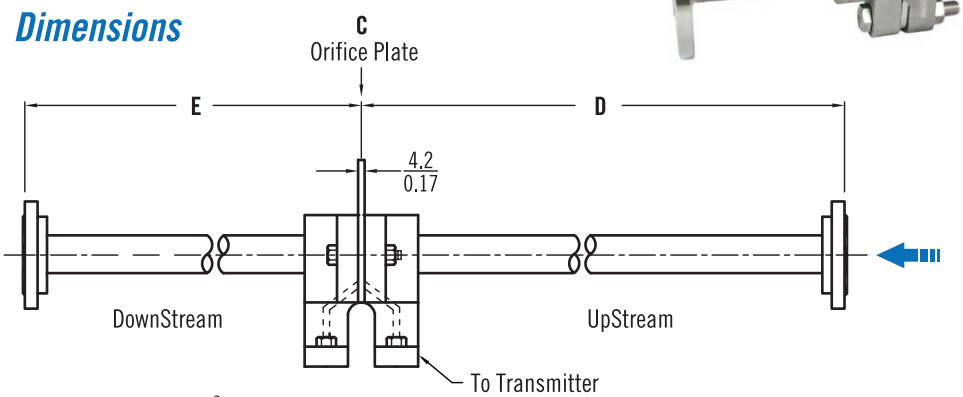
INTEGRAL ORIFICE ASSEMBLY IOA SERIES

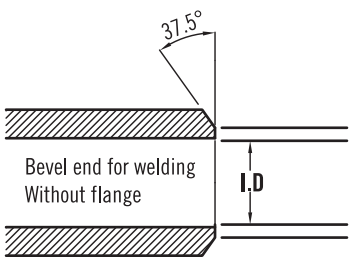
Technical Data

Used Differental Pressure Transmitter
Various Process Pipe Size: ½", 1" and 1½" available
Process Connection: Bevel welded, flange
Orifice Plate According To: ISO 5167, ASME and AGA-3 standard
Flange Rating: 150LB up to 600LB
Pressure Limited: Up to 100 kg/cm²
Temperature Limited: -40°C~+150°C
Material: SS316 wetted parts & Teflon gasket



Dimensions





Assembly Line Size	Pipe Schedule		Straight Length Of Piping							
			With Flange				Without Flange			
			D		E		D		E	
			mm	in	mm	in	mm	in	mm	in
3/8"	40S	80S	254	10.0	115	4.5	242	9.5	112	4.4
1/2"	40S	80S	318	12.5	145	5.7	315	12.4	142	5.6
1"	40S	80S	513	20.2	221	8.7	510	20.1	218	8.6
1½"	40S	80S	721	28.4	302	11.9	716	28.2	28.2	11.7

* Orifice plate bore size is by vendor.

Ordering Information

IOA	Code	Wetted Parts Material
	S	SS316

Code	Gasket Material
T	Teflon

Code	Line Size
	(A) ⅜" (B) ½" (C) 1" (D) 1½"

Code	Process Flange Size
	(A) ½" (B) ¾" (C) 1" (D) 1½" (O) option

Code	Process Connection		
	1. Flange Type (Rating)	2. Welded Type	
15	ANSI 150#	B	Bevel End
30	ANSI 300#		
60	ANSI 600#		
10	PN 10		
16	PN 16		
40	PN 40		
10K	JIS 10K		
20K	JIS 20K		
T	Other:_____		

IOA						Complete Ordering Code

*Please fill in the ordering information and the specificaion of service condition in the next page.

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Specification of Integral Orifice Flowmeter

	Individual Specification		Requirement	Requirement
1	Tag No. / P & ID No.			
2	Line No.			
3	Line Size & Schedule			
4	Pipe Material			
	METER			
5	Design Type			
6	Calculation Standard			
7	Process Connection			
8	Plate Material			
9	Beta Ratio d/D			
10	Orifice Bore Diameter	(mm)		
11	Vent or Drain Hole			
12	Plate Thickness	(mm)		
13	Body Material			
14	Flange Material			
15	Bolts Material			
16	Gasket Material			
	ASSEMBLY			
17	Associated Piping Material			
18	Flange Material			
19	3-Valve Manifold Material			
	TRANSMITTER			
20	Type			
21	Mounting			
22	Case Material			
23	Enclosure Class			
24	Hazardous Area Classification			
25	Hazard Protection			
26	Power Supply			
27	Signal Output			
28	Conduit Connection			
29	Accuracy			
30	Zero Elevation / Suppression			
31	Output Gauge			
	FLUID DATA			
32	Fluid			
33	Fluid Phase / Flow Unit			
34	Flow Range			
35	Flow Nor. / Max.			
36	Temp. Nor. / Max.	(°C)		
37	Press. Nor. / Max.	(BarG)		
38	Sp. Gr. @operating / @1 ATM 60°F			
39	Molecular Weight			
40	Operating Viscosity	(cP)		
41	Oper. Gas Compress. Factor			
42	Max. Allowable DP			
	MODEL			
43	Manufacturer			
44	Model No.			

* Please fill in above block on request.

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