



ORIFICE- PLATE

Features

- Orifice Design as per BS EN ISO 5167
- Range of Orifice Types
 - 1) Concentric Square Edge
 - 2) Quarter Circle
 - 3) Segmental
 - 4) Eccentric
- Available in wide variety of materials
- No moving parts, simple construction
- Suitable for Liquid, Gas & Vapor Application
- Maintenance Free

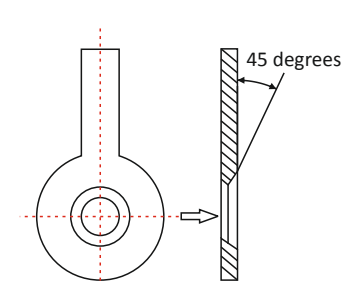


Description

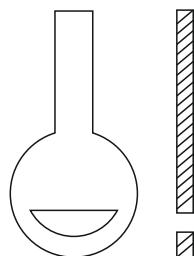
Electronet series orifice plate is the most common differential pressure primary flow element. It is based on proven technology has no moving parts and is suitable for high temperature and pressure applications. Orifice plates are recommended for clean liquids, gases and low velocity steam flows. Flow measurement using orifice plates requires the accurate location of up stream and downstream pressure tapping. Various types of orifice carrier assemblies are

Technical Specifications

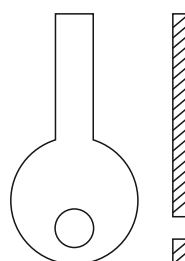
Line Size	15 NB to 1000 NB ($\frac{1}{2}$ " – 40")
Types	Concentric Square Edge, Quarter of Circle, Conical Entrance, Segmental, Eccentric
Accuracy	$\pm 1\%$ of F. S.
Material	AISI 316, AISI 304, Hastalloy C, Monel, Other as per requirement



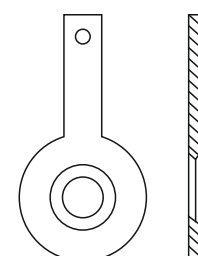
Concentric Orifice Plate



Segmental Orifice Plate



Eccentric Orifice Plate



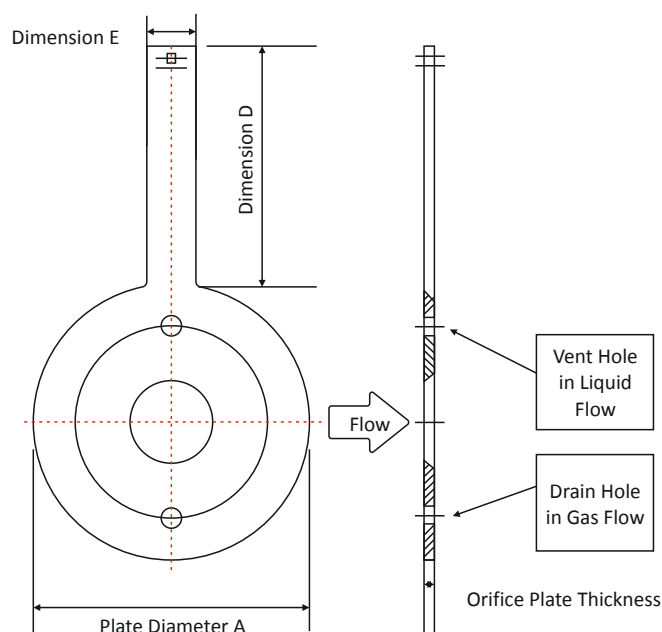
Quadrant Orifice Plate



ORIFICE- PLATE

Assembly Overview & Drawing

The outside diameter of the orifice plate is equal to the bolt circle diameter of the connecting flanges minus the diameter of the bolt. This ensures that the plate is centered accurately in the line. Plate thicknesses depend on line size and differential pressure, and is sufficient to prevent the plate from bending under operating conditions. Customized Orifice Plate can also be designed, manufactured and supplied.

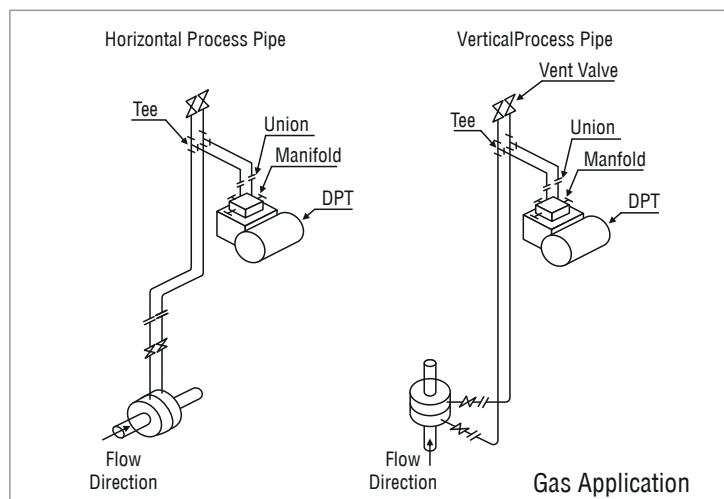
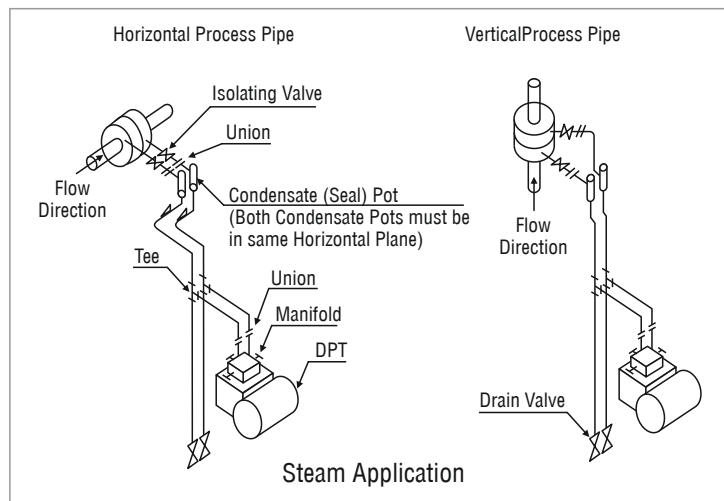
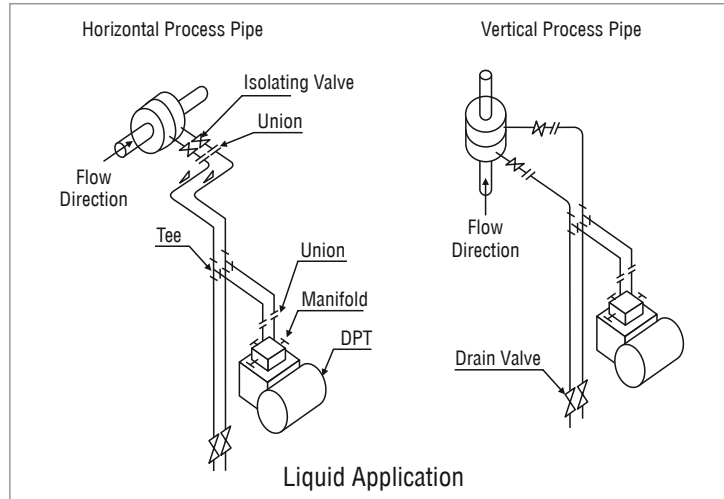


Dimensional Details & Drawing

Nominal Size		150 LB			300 LB			400 LB			600 LB			900 LB			1500 LB			2500 LB		
NB	IN	A	D	E	A	D	E	A	D	E	A	D	E	A	D	E	A	D	E	A	D	E
15	1/2	47.6	125	25	54	125	28	54	125	28	54	125	28	63.5	125	28	63.5	125	32	69.9	125	32
20	3/4	57.2	125	32	66.7	125	32	66.7	125	32	66.7	125	32	69.9	125	32	69.9	125	32	76.2	125	32
25	1	66.7	125	32	73	125	32	73	125	32	73	125	32	79.4	125	32	79.4	125	32	85.7	150	32
32	1 1/4	76.2	125	32	82.6	125	32	82.6	125	32	82.6	125	32	88.9	125	32	88.9	125	32	104.8	150	32
40	1 1/2	85.7	125	32	95.3	125	32	95.3	125	32	95.3	125	32	98.4	125	32	98.4	125	32	117.5	150	32
50	2	104.8	125	32	111.1	125	32	111.1	125	32	111.1	125	32	142.9	150	32	142.9	150	32	146	150	32
65	2 1/2	123.8	125	32	103.2	125	32	103.2	125	32	103.2	125	32	165.1	150	32	165.1	150	32	168.3	150	32
80	3	136.5	125	32	149.2	125	32	149.2	125	32	149.2	125	32	168.3	150	32	174.6	150	32	196.9	150	32
100	4	174.6	150	32	181	150	32	177.8	150	32	193.7	150	32	206.4	150	32	209.6	150	32	235	150	32
125	5	196.9	150	32	215.9	150	32	212.7	150	32	241.3	150	32	247.7	150	32	254	150	32	279.4	175	32
150	6	222.3	150	32	250.8	150	32	247.7	150	32	266.7	150	32	288.9	150	32	282.6	150	32	317.5	175	32
200	8	279.4	150	32	308	150	32	304.8	150	32	320.7	150	32	358.8	175	32	352.4	175	32	387.4	175	32
250	10	339.7	150	32	362	150	32	358.8	150	32	400	150	32	435	175	32	435	175	32	476.3	200	32
300	12	409.6	150	32	422.3	150	32	419.1	150	32	457.2	150	32	498.5	175	32	520.7	175	32	549.3	200	32
350	14	450.9	150	32	485.8	150	32	482.6	150	32	492.1	150	32	520.7	175	32	577.9	175	32	—	—	—
400	16	514.4	150	32	539.8	150	32	536.6	150	32	565.2	150	32	574.7	200	32	641.4	200	32	—	—	—
450	18	546.1	175	32	593.7	175	32	587.4	175	32	609.6	175	32	635	200	32	701.7	200	32	—	—	—
500	20	603.3	175	32	650.8	175	32	644.5	175	32	679.5	175	32	695.3	200	32	752.5	200	32	—	—	—



Impulse Piping For ORIFICE





ORIFICE- PLATE

Ordering Information

Sample Order Code : 01A-70E-71C-99K-102B-116E-118D-120D

Parameter	Code	Value	Code	Value
01	Line Size	01A 15 NB	01M 250 NB	
		01B 20 NB	01N 300 NB	
		01C 25 NB	01O 350 NB	
		01D 32 NB	01P 400 NB	
		01E 40 NB	01Q 450 NB	
		01F 50 NB	01R 500 NB	
		01G 65 NB	01S 600 NB	
		01H 80 NB	01T 700 NB	
		01I 100 NB	01U 800 NB	
		01J 125 NB	01V 900 NB	
		01K 150 NB	01W 1000 NB	
		01L 200 NB	01X Other	
70	Flange Standard	70D	ASME B 16.36	
		70E	ASME B 16.5	
		70F	ASME B 16.47 Series (A)	
		70G	ASME B 16.47 Series (B)	
		70X	Other	
71	Flange Rating	71A	ANSI 150#	
		71B	ANSI 300#	
		71C	ANSI 600#	
		71G	ANSI 900#	
		71H	ANSI 1500#	
		71I	ANSI 2500#	
		71X	Other	
99	Line Schedule	99A	Schedule 5	
		99B	Schedule 10	
		99C	Schedule 20	
		99D	Schedule 30	
		99E	Schedule 40	
		99F	Schedule 60	
		99G	Schedule 80	
		99H	Schedule 100	
		99I	Schedule 120	
		99J	Schedule 140	
		99K	Schedule 160	
		99L	Schedule STD	
		99M	Schedule XS	

Parameter	Code	Value
99	Line Schedule	99N Schedule XXS
		99O Schedule 5S
		99P Schedule 10S
		99Q Schedule 40S
		99R Schedule 80S
		99S Schedule Low / A Class
		99T Schedule Medium / B Class
		99U Schedule Heavy / C Class
		99X Other
		102C NACE
102	Certification	102X Other
		102Y None
116	Orifice Plate Type	116A Concentric Square Edge
		116B Eccentric
		116C Quarter Of Circle
		116D Segmental
		116E Integral
		116F Restriction (Concentric)
		116G Carrier Ring
		116X Other
118	Orifice Plate Thickness	118A 3.18 mm
		118B 4.0 mm
		118C 6.35 mm
		118D 9.52 mm
		118E 12.7 mm
		118X Other
120	Orifice Plate Material	120A AISI 316
		120B AISI 316L
		120C AISI 304
		120D AISI 304L
		120E Hastalloy C
		120F Monel
		120X Other

Note : ▪ Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
 ▪ Accuracy defined at Lab Conditions.
 ▪ For other requirement please consult factory.



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