



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

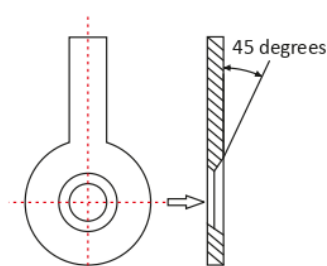


Description

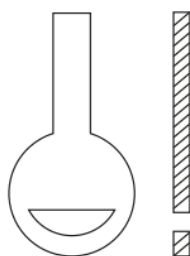
Electronet series orifice plate is the most common differential pressure primary flow element. It is based on proven technology has no moving parts and is suitable for high temperature and pressure applications. Orifice plates are recommended for clean liquids, gases and low velocity steam flows. Flow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

Technical Specifications

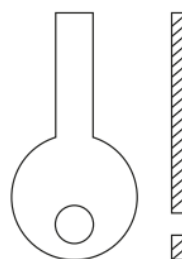
Line Size	15 NB to 1000 NB (½" – 40")
Types	Concentric Square Edge, Quarter of Circle, Conical Entrance, Segmental, Eccentric
Accuracy	±1% of F. S.
Material	AISI 316, AISI 304, Hastelloy C, Monel, Other as per requirement



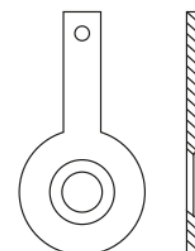
Concentric Orifice Plate



Segmental Orifice Plate



Eccentric Orifice Plate



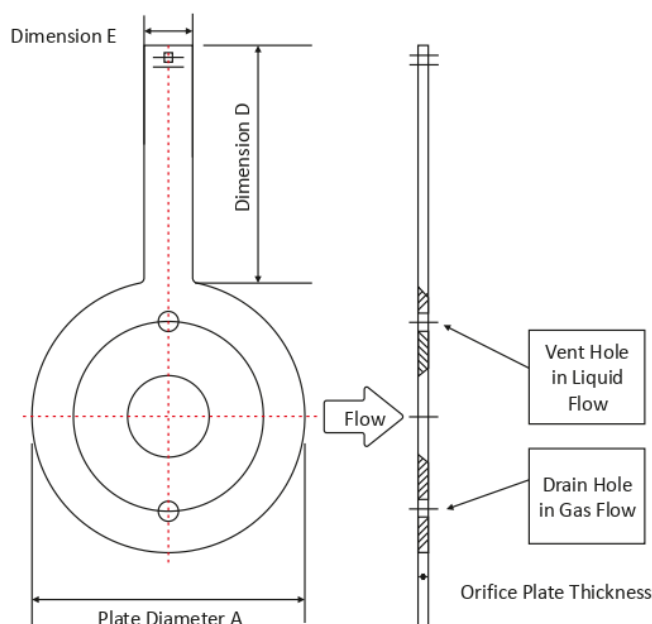
Quadrant Orifice Plate



ORIFICE PLATE

Assembly Overview

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.

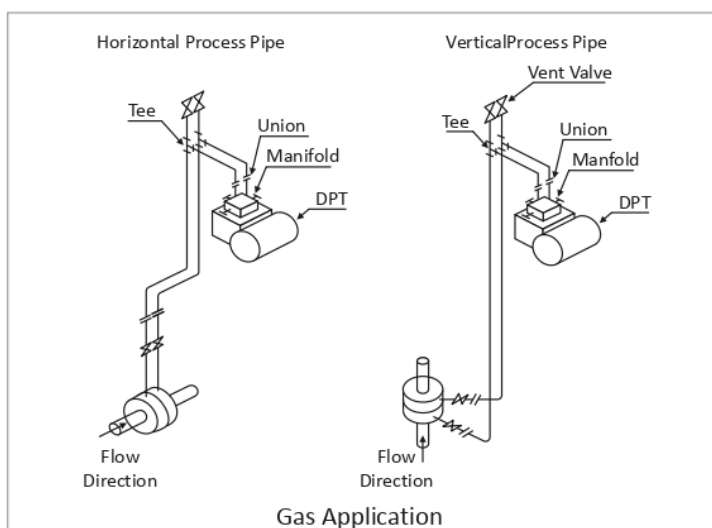
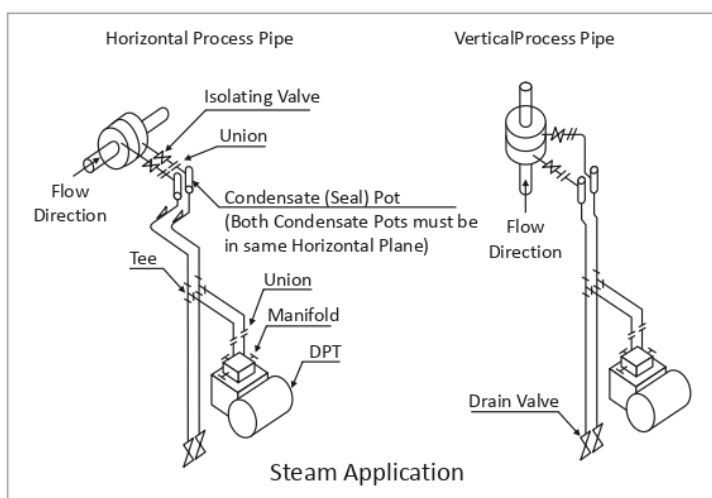
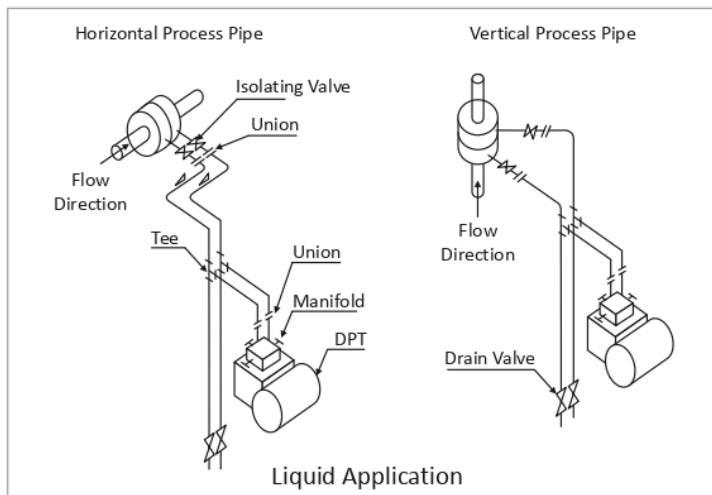


Dimension Details

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	—	—	—

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Impulse Piping For Orifice





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Ordering Information

Sample Order Code: Orifice Plate-FT15-A1-B1-C1-D1-E1-F1-G1

Parameter		Code	Value	Code	Value
FT	Line Size	FT 15	15NB	FT 250	250NB
		FT 20	20NB	FT 300	300NB
		FT 25	25NB	FT 350	350NB
		FT 32	32NB	FT 400	400NB
		FT 40	40NB	FT 450	450NB
		FT 50	50NB	FT 500	500NB
		FT 65	65NB	FT 600	600NB
		FT 80	80NB	FT 700	700NB
		FT 100	100NB	FT 800	800NB
		FT 125	125NB	FT 900	900NB
		FT 150	150NB	FT 1000	1000NB
		FT 200	200NB	FTY	Other
A	Flange Standard	A1	ASME B 16.36		
		A2	ASME B 16.5		
		A3	ASME B 16.47 Series (A)		
		A4	ASME B 16.47 Series (B)		
		AY	Other		
B	Flange Rating	B1	ANSI 150#		
		B2	ANSI 300#		
		B3	ANSI 600#		
		B4	ANSI 900#		
		B5	ANSI 1500#		
		B6	ANSI 2500#		
		BY	Other		
C	Line Schedule	C1	Schedule 5		
		C2	Schedule 10		
		C3	Schedule 20		
		C4	Schedule 30		
		C5	Schedule 40		
		C6	Schedule 60		
		C7	Schedule 80		
		C8	Schedule 100		
		C9	Schedule 120		
		C10	Schedule 140		
		C11	Schedule 160		
		C12	Schedule STD		
		C13	Schedule XS		

Parameter		Code	Value
C	Line Schedule	C14	Schedule XXS
		C15	Schedule 5S
		C16	Schedule 10S
		C17	Schedule 40S
		C18	Schedule 80S
		C19	Schedule Low / A Class
		C20	Schedule Medium / B Class
		C21	Schedule Heavy / C Class
		CY	Other
D	Certification	D1	NACE
		DY	Other
		DX	None
E	Orifice Plate Type	E1	Concentric Square Edge
		E2	Eccentric
		E3	Quarter Of Circle
		E4	Segmental
		E5	Restriction (Concentric)
		E6	Carrier Ring
		E7	Integral
		EY	Other
F	Orifice Plate Thickness	F1	3.18 mm
		F2	4.0 mm
		F3	6.35 mm
		F4	9.52 mm
		F5	12.7 mm
		FY	Other
G	Orifice Plate Material	G1	AISI 316
		G2	AISI 316L
		G3	AISI 304
		G4	AISI 304L
		G5	Hastelloy C
		G6	Monel
		GY	Other

Note : • Due to our continuous product revisions, design specification & model numbers are subject to change without notice.

• To be used for industrial applications.

• Accuracy defined at Lab Conditions.

• For other requirement please consult factory.

• This product is meant for laboratory/Process application only & not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.

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