

Features

- Orifice Design as per BS EN ISO 5167
- Range of Orifice Assembly Types
 - 1) WNRF
 - 2) SORF
 - 3) RTJ
 - 4) Other on Request
- Available in wide variety of materials
- No moving parts, simple construction
- Suitable for Liquid, Gas & Vapor Application
- Non IBR and IBR Certified Orifice assembly
- Maintenance Free



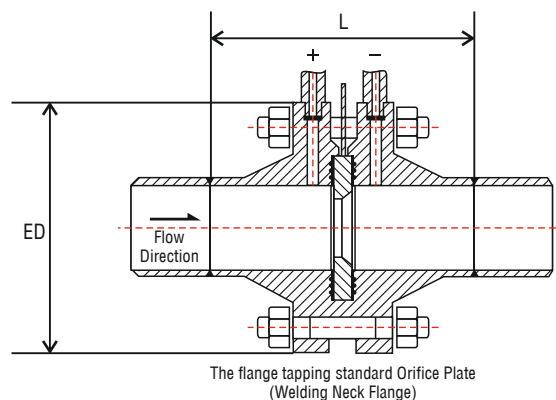
Description

Orifice flanges are intended for use instead of standard pipe flanges when an orifice plate or flow nozzle must be installed. Pairs of pressure tapping are machined into the orifice flange, making separate orifice carriers or tapping in the pipe wall unnecessary. The range of orifice flanges covers all standard sizes and ranges, and all common flange materials. Flanges are available in socket weld or weld neck form, and are typically supplied with two ½" NPT tapping in each flange. Jacking screws to ensure ease of removal of the primary flow element are provided. Orifice flanges are supplied complete with bolting and gasket kits.

Technical Specifications

Line Size	15 NB to 1000 NB (½" – 40")
Pressure Taps	Flange Tap, Corner Tap, Radius Tap (D & D/2 Tap)
Accuracy	±1% of F. S.
Material of Flange	A105, A 182-F316, A 182-F304, A 182-F11, A 182-F22 & Other as per requirement
Material of Gasket	CAF, SWG, PTFE & Other as per requirement

Assembly Overview & Drawing



Impulse Piping For ORIFICE

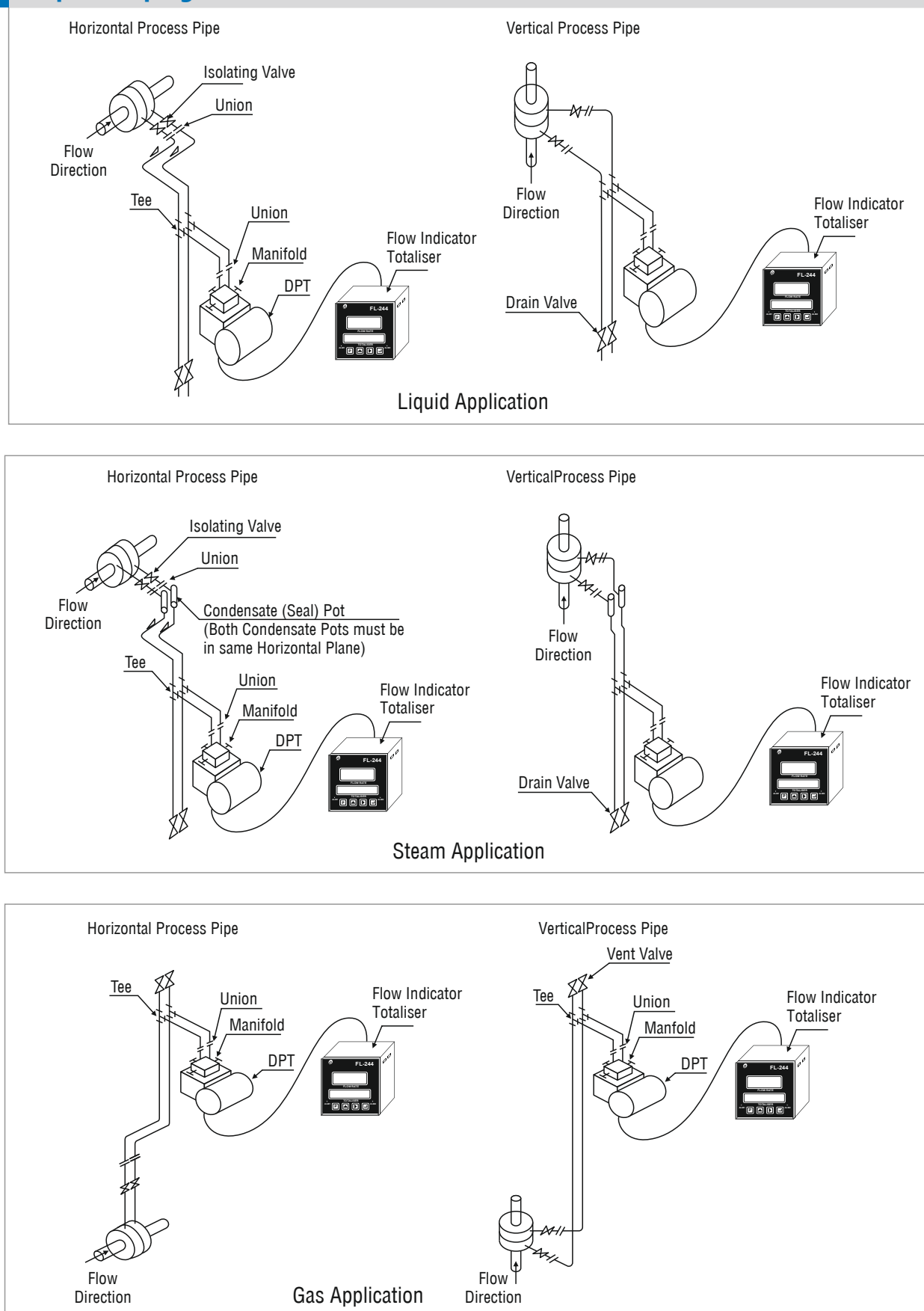


TABLE : Dimensional & Weight Details Of Flange (as Per ASME B16.36)

DN	Class 300			Class 600			Class 900			Class 1500		
	Weight kg	L mm	ED mm	Weight kg	L mm	ED mm	Weight kg	L mm	ED mm	Weight kg	L mm	ED mm
1"	9	171	124	9	171	124	13	171	149	13	171	149
1 ½"	13	178	155	13	178	155	18	184	178	18	184	178
2"	14	178	165	14	178	165	29	209	216	29	209	216
2 ½"	18	184	191	18	284	191	41	215	244	41	215	244
3"	21	184	210	21	184	210	34	209	241	58	241	267
4"	31	190	245	41	209	273	59	235	292	82	254	311
6"	50	206	318	82	241	356	120	285	381	186	349	394
8"	73	232	381	124	276	419	204	333	470	306	435	483
10"	100	244	445	208	314	508	291	377	546	500	517	584
12"	151	269	521	250	320	559	405	409	610	746	574	673
14"	207	294	584	–	339	603	–	434	641	–	606	749
16"	275	301	648	–	365	686	–	441	705	–	631	826
18"	341	327	711	–	377	743	–	466	787	–	663	914
20"	408	333	775	–	390	813	–	504	857	–	720	984
24"	604	345	914	–	415	940	–	593	1.041	–	822	1.168

Values approx weight (kg) and dimensions (mm) for the assembly assuming a gasket with a thickness of 1.5 mm and a plate thickness in accordance with our standard

Ordering Information

Sample Order Code : 01A-70E-71C-97F-98B-99L-100B-101D-102C-116B-117G-118C-119A-133A-134B-135B-136A

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	
97	Flange MOC	97A	A 105 C. S.	
		97B	A 182 GR F11	
		97C	A 182 GR F12	
		97D	A 182 GR F22	
		97E	A 182 GR F9	
		97F	A 182 GR F 304	
		97G	A 182 GR F 304L	
		97H	A 240 GR 304	
		97I	A 240 GR 304L	
		97J	A 182 GR F 316	
		97K	A 182 GR F 316L	
		97X	Other	
		97Y	None	
		98A	1	
		98B	2	
		98C	3	
98	Tapping Pairs	98X	Other	
		98Z	NA	

Ordering Information

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Parameter		Code	Value
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
		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	
100	MOC Of Gasket	100A	C.A.F.
		100B	S.W.G. SS 304 With Grafoil Filler
		100C	PTFE
		100D	IS2712 GR W/3
		100E	S.W.G. SS 316 With GrafoilFiller
		100X	Other
		100Z	NA
		101	Plug Size & MOC
101B	½" NPT (M) S.S.		
101C	½" BSP C.S.		
101D	½" BSP S.S.		
101X	Other		
101Z	NA		
102	Certification	102A	IBR
		102B	NON IBR
		102C	NACE
		102X	Other
		102Y	None

Parameter		Code	Value
116	Orifice Plate Type	116A	Concentric Square Edge
		116B	Eccentric
		116C	Quarter Of Circle
		116D	Segmental
		116F	Restriction (Concentric)
		116G	Carrier Ring
		116X	Other
117	Orifice Plate Assembly Type	117A	WNRF
		117B	SORF
		117C	RTJ
		117D	Threaded
		117G	Restriction
		117X	Other
		117Z	NA
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
119	Orifice Type Of Tapping	119A	FLANGE
		119B	CORNER
		119C	RADIUS (D&D/2)
		119X	Other
		119Z	NA
133	MOC Of Stud	133A	ASTM A 193 GR B7
		133B	ASTM A 193 GR B8
		133X	Other
		133Z	NA
134	MOC Of Nut	134A	ASTM A 194 2H
		134B	ASTM A 194 GR 8
		134X	Other
		134Z	NA
135	MOC Of Jack Bolts	135A	ASTM A 193 GR B7
		135B	ASTM A 193 GR B8
		135X	Other
136	MOC Of Jack Nut	135Z	NA
		136A	ASTM A 194 2H
		136B	ASTM A 194 GR 8
		136X	Other
		136Z	NA

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

▪ Accuracy defined at Lab Conditions.

▪ For other requirement please consult factory.