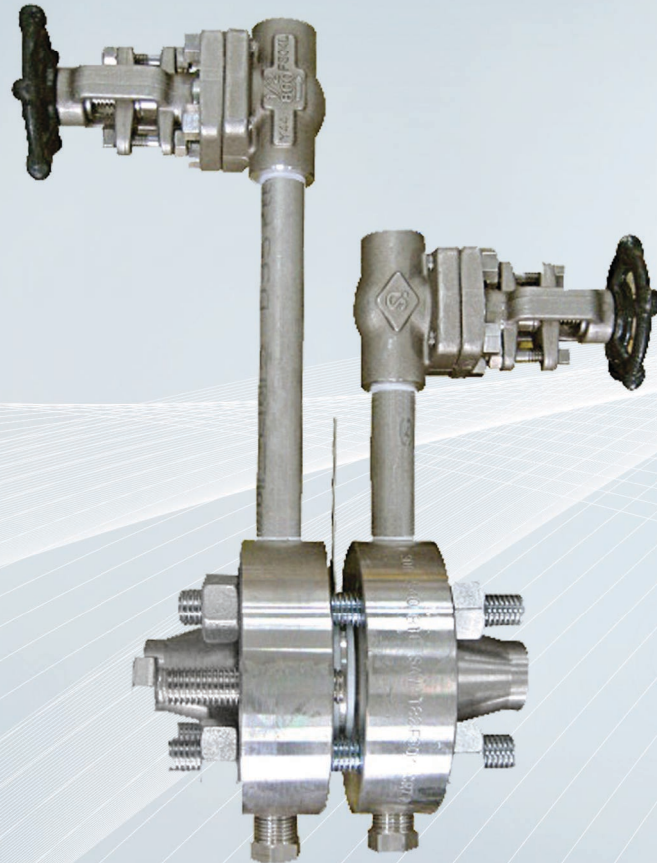




Orifice Flange Assembly

Model : SOP-50



SeoJin Instech Co., Ltd.

www.seojin.biz

SOP-50

Orifice Flange Assembly



Specifications

FLANGE TYPE

Welding neck
Slip-on
Socket-weld
Ring-joint welding neck

NOMINAL DIAMETERS

25mm(1 inch) to 500mm(20 inches)

FLANGE MATERIAL

A105, A182-F304, A182-F316, A182-F11,
A182-F22, A350-LF2

FLANGE RATINGS

JIS 10, 20, 30 etc.
ANSI(or JPI) 150, 300, 600 etc.

Introduction

Orifice Flange Assemblies are used in conjunction with Orifice Plates for flow measurement of smaller or medium size pipes at lower or medium pressure ranges. The flange connection is of an RF type and the differential pressure tapping system is with flange taps.

MATERIALS OF BOLTS AND NUTS

Stud bolts : A193-B7, A193-B8, A193-8M
Nuts : A194-2H, A194-8, A194-8M

GASKET

Thickness : 1.5mm, 4.5mm
Material : Non-Asbestos sheet gasket,
Spiral wound gaskets

PIPING CONNECTION METHOD

ANSI 150# : Insertion welding type (Slip-on-type)
ANSI 300#,600# : Butt welding type (Welding neck)
ANSI 600# : Butt welding neck (Ring-joint WN)

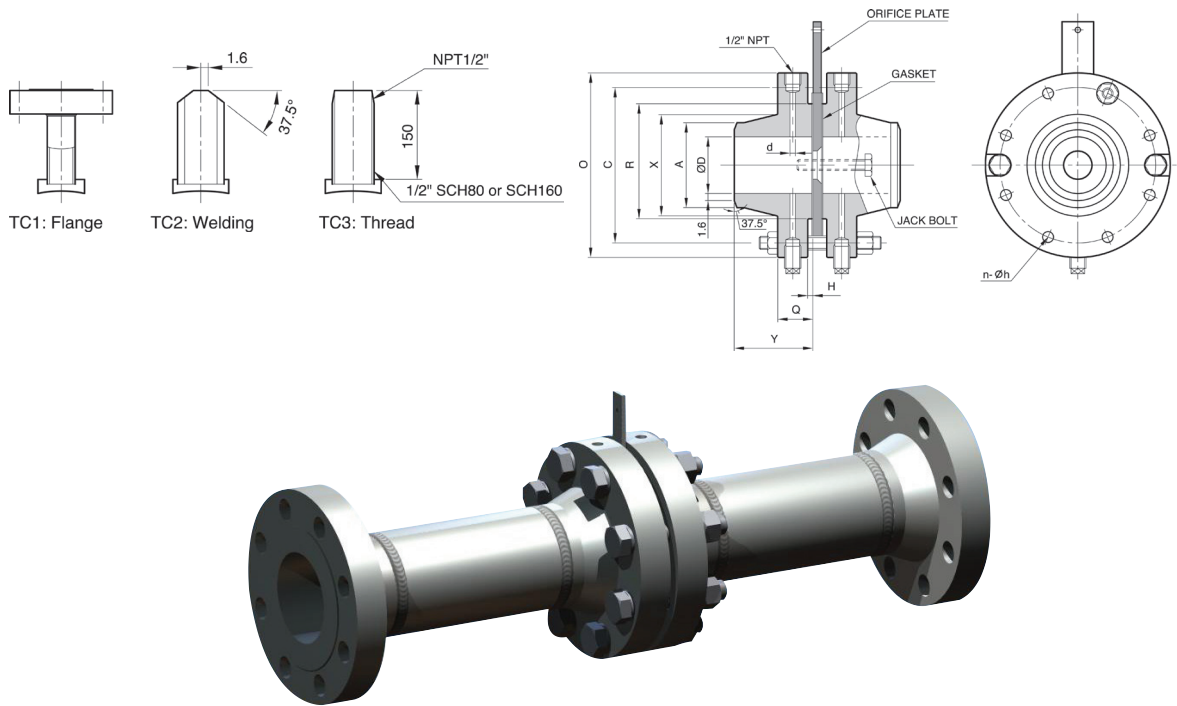
DIFFERENTIAL PRESSURE PIPING CONNECTION

Select referring to the model number construction table

Part Drawing



Dimensions



► For JIS 10K Flanges

UNIT: mm

Normal Pipe Size	Diam of Flange ø	Thicknes of Flange Q	D of Hub of Wedge A	Diam of Hub X	Length Through Hub Y	Diam of Raised face f	Height of Raised face E	Diam of Tab Holes d	Diam of Bolts Circle c	Number of bolt	Bolt Size
25 A	125	38.1	34.0	50	80	70	1	4	70	4	M16
32 A	135	38.1	42.7	60	80	80	2	4	100	4	M16
40 A	140	38.1	48.6	66	83	85	2	4	105	4	M16
50 A	155	38.1	60.5	80	83	100	2	4	120	4	M16
66 A	175	38.1	76.3	98	86	120	2	4	140	4	M16
80 A	185	38.1	89.1	112	86	130	2	6	150	8	M16
90 A	195	38.1	101.6	122	86	140	2	6	160	8	M16
100 A	210	38.1	114.3	132	90	155	2	6	175	8	M16
125 A	250	38.1	139.8	160	95	185	2	8	210	8	M20
150 A	280	38.1	165.2	190	100	215	2	8	240	8	M20
200 A	330	38.1	216.3	238	110	265	2	12	290	12	M20
225 A	350	38.1	241.8	264	110	285	2	12	310	12	M20
300 A	445	38.1	318.5	346	120	370	3	12	400	16	M22
350 A	490	38.1	355.6	386	130	415	3	12	445	16	M22
400 A	560	38.1	406.4	442	130	475	3	12	510	16	M24

Ordering Information

■ ORIFICE PLATE & FLANGE ASSEMBLY

SOP -	50	A	1	A	1	A	1	A
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GASKETS MATERIAL

A = Non Asbestos 1.5t
B = Teflon 1.5t
C = Spiral Wound
D = etc.

BOLT / NUT MATERIAL

1 = B7 / 2H
2 = B8 / 8
3 = etc.

PLATE MATERIAL

A = 304LSS
B = 316LSS
C = etc.

FLANGE MATERIAL

1 = Carbon Steel
2 = 304LSS
3 = 316 SS
4 = etc

FLANGE RATING

A = JIS 10K
B = JIS 20K
C = JIS 30K
D = ANSI #150
E = ANSI #300
F = ANSI #600
G = ANSI #900
H = etc.

TAP NIPPLE

1 = None
2 = NPT 1/2
3 = etc.

LINE SIZE

A = 15A (1/2")
B = 20A (3/4")
C = 25A (1")
D = 32A (1-1/2")
E = 50A (2")
F = 65A (2-1/2")
G = 80A (3")
H = 100A (4")
I = 125A (5")
J = 150A (6")
K = 200A (8")
L = etc.

TYPE(BASE MODEL)

50 = Orifice Flange Assembly (Welding Neck Type)
51 = Orifice Flange Assembly (Socket-Welding Type)
52 = Orifice Flange Assembly (Slip-On Type)
53 = Orifice Flange Assembly (RTJ Type)

■ When placing an order, selected ordering number should be indicated on the purchase order sheet.



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■ Specifications subject to change without notice