

ORIFICE FLOW METERS

High Pressure RTJ Orifice

High Pressure Orifice

MODEL : DHOF-RTJP / DHOF-RTJF



DHOF-RTJP

DHOF-RTJF

These flanges include the Weld Neck type used with an orifice plate or a ring-mounted orifice plate, and are supplied in the following types.

Model DHOF-RTJ□: used with the DHOF-RTJ□ orifice fitted with a holding ring (Holding Ring) for flange taps. Supplied only as Weld Neck type, with ring joint (Ring-Joint) type flange faces.

The DHOF-RTJF has two taps per flange, located at the flange tap positions specified in ISO5167.

RTJ Oval / Octagonal ANSI 600 ~ 2500LB 1-1/2B ~ 24B (40A ~ 600A) Weld Neck only

Types · model configuration

Item	DHOF-RTJP Plate only (Plate Only)	DHOF-RTJF With flanges (Flange Include)
Features	For high pressure (For High pressure)	For high pressure (For High pressure)
Turndown	4:1	4:1
Materials	Plate: STS304, STS316, Inconel, Monel, Hastelloy	Plate: STS304, STS316, Inconel, Monel, Hastelloy · Flange: C.S, STS304, STS316, Inconel, Monel, Hastelloy, A182 F11, F22, F51
Connection	Flange 900#, 1500#, 2500#	Flange 900#, 1500#, 2500#
Applicable piping	2B ~ 24B (50A ~ 600A) Pipe	2B ~ 24B (50A ~ 600A) Pipe
Standards	ISO5167-2	ISO5167-2
Accuracy	±1.5%	±1.5%

Technical Specifications

Item	Value
Accuracy	±1.5%
Turndown (Turndown Range)	4:1
Applicable standards (Regulations)	ISO5167-2
Nominal pipe size	1-1/2B ~ 24B (40A ~ 600A)
Flange rating (Flange Rating)	ANSI 600, 900, 1500, 2500LB RTJ Oval Type or Octagonal Type
Flange type	Weld Neck only · Ring-Joint type flange face
Tap configuration	Two per flange (DHOF-RTJF) · ISO5167 flange tap positions
Flow calculation standard	ISO5167, JIS Z 8762, ASME, KS A 0612
Materials	Carbon Steel · 304SS, 304L SS, 316SS, 316L SS · Ni, Cr, Mo Alloy Steel (A182 F11 to 91)
Tap connection 1 (threaded directly into flange)	1/2NPT F, 3/4NPT F, 1/2 S.W, 3/4 S.W

Item	Value
Tap connection 2 (nipple connection)	1/2NPT M, 3/4NPT M, socket weld, butt weld or flange
Bolts	Stud · A193 Gr B7
Nuts	Hex · A194 2H

Standards · ISO 5167-2 · ISO 5167 · JIS Z 8762 · ASME · KS A 0612 · ASTM A193 B7 / A194 2H

Installation requirements

- The Weld Neck flanges are butt-welded to the piping, and the orifice plate with holding ring is assembled between the flanges together with the RTJ gasket ring.
- The DP taps are either threaded directly into the flange (1/2 · 3/4 NPT F, 1/2 · 3/4 S.W) or connected by nipple (1/2 · 3/4 NPT M, socket weld · butt weld · flange).
- Bolting uses A193 Gr B7 studs and A194 2H hex nuts.

Ordering information (How to Order)

1 Model	
DHOF-RTJ P	Plate Only
DHOF-RTJ F	Flange Include
2 Nominal Pipe Size	
(size)	Pipe size in inch or mm
3 Material	
CS	Carbon Steel
4S	304SS
4L	304L SS
6S	316SS
6L	316L SS
11	A182 F11
12	A182 F12
51	A182 F51
91	A182 F91
OP	Option

4 Mounting Connection	
060	ANSI Class 600 LB
090	ANSI Class 900 LB
150	ANSI Class 1500 LB
250	ANSI Class 2500 LB
000	Option

5 Diff' Taps	
1	NPT 1/2
2	NPT 3/4
3	SW 1/2
4	SW 3/4