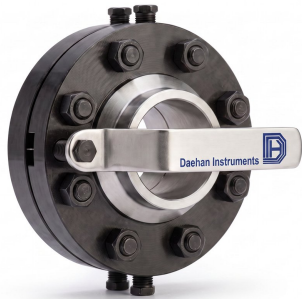


ORIFICE FLOW METERS

Orifice Flange Assembly

Orifice Plate & Flange Assembly

MODEL : DHOF-W

**DHOF-W**

Orifice flanges are one of the most economical means of measuring flow, and Daehan Instruments' orifice flanges are manufactured specifically for accurate measurement. Automatic machine tools are used to meet the strict tolerances and recommendations required for the flanges, with close attention to tap position, bore surface condition, and machining of the bolt and flange faces.

Orifice flanges are manufactured from forged steel A.S.T.M. A-105. Other materials are manufactured by special order with extended delivery.

The DHOF-W assembly includes a pair of orifice flanges, an orifice plate, and bolts, nuts and gasket (per the ordering code table), and can be supplied with a meter run (Meter Run) if required.

Bolt · Nut · Gasket included WN / SW / SO flanges Taps NPT · SW 1/2 · 3/4
Accuracy $\pm 1.5\%$

Types · model configuration

Item	DHOF-W Orifice Plate & Flange assembly
Features	Low installation and maintenance cost
Turndown	4:1
Materials	Plate: STS304, STS316, Inconel, Monel, Hastelloy, Teflon · Flange: C.S, STS304, STS316, Inconel, Monel, Hastelloy, A182 F11, F22, F51
Connection	Flange 300#, 600#, 900#
Applicable piping	2B ~ 24B (50A ~ 600A) Pipe & Duct
Standards	ISO5167-2
Accuracy	$\pm 1.5\%$

Technical Specifications

Item	Value
Orifice flange types	Weld Neck Type, Socket Weld Type, Slip On Type
Flange material	Forged steel A.S.T.M. A-105 (other materials by special order)
Flange material (options)	A105, A182 F304, A182 F316, A182 F11, A182 F22, A182 F51, A350 LF2, etc
Flange rating (Flange Rating)	ANSI 150, 300, KS, JIS 10K 20K, AWWA
Tap type	Flange Taps, Corner Taps, D-D/2 Taps
DP tap connection (Diff' Taps)	NPT 1/2, NPT 3/4, SW 1/2, SW 3/4
Flange Tap position	25mm from the orifice plate, both upstream and downstream
Assembly section drawing notes	1/2" N.P.T. pressure taps, 1/16" thick gasket, 37½° weld bevel (Weld Neck)
Assembly contents	Orifice flanges + plate + Bolt, Nut, Gasket (Meter Run optional)

Item	Value
Assembly drawing parts list (example)	Flange A105 · Plate SUS316 · Gasket (MAX 350 °C) · Boss A105 PT 1/2 · Bolt & Nut A193 B7 Stud · Pipe C/S (user scope) ※ Example approved drawing of an 1800A PN10 D-D/2 tap assembly; specifications vary by project
Plate material	304SS, 304L SS, 316SS, 316L SS, Monel, Hastelloy, Inconel, Cu-Ni, PTFE, Glass, Ni · Cr · Mo Alloy Steel (A182 F11 to 91)
Accuracy / turndown / applicable standards	±1.5% / 4:1 / ISO5167-2

Standards · ISO 5167-2 · ISO 5167 · JIS Z 8762 · ASME · KS A 0612 · ASTM A105

Installation requirements

- The Weld Neck type is butt-welded to the pipe, the Socket Weld type is socket-welded, and the Slip On type is slipped over the pipe and welded. The flange rating is selected to match the process piping.
- With Flange Taps, the upstream and downstream taps are located 25mm from the plate. The tap connection is selected from NPT 1/2 · 3/4 or SW 1/2 · 3/4.
- Impulse piping (steam · liquid · gas service) and straight run lengths are determined according to the β ratio on the basis of ISO 5167, as described on the 'Orifice Tap Types · Installation Piping Requirements' page.

Ordering information (How to Order)

1 Model	
DHOF-W	Flange Assembly (including Bolt, Nut, Gasket)
DHOP	Plate Only

2 Tap Type	
D	D-D/2 Taps
F	Flange Taps
C	Corner Taps

3 Nominal Pipe Size	
(size)	Pipe size in inch or mm

4 Material : Plate / Flange	
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

5 Mounting Connection	
015	ASME(ANSI) Class 150 LB
030	ASME(ANSI) Class 300 LB
010	KS(JIS) Class 10K
020	KS(JIS) Class 20K
000	Option

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

7 Meter Run	
N	None
Y	Include

Ordering example: **DHOF-W-D-1800-6S/CS-PN10-1-N**

DHOF-W flange assembly, D-D/2 tap (D), 1800A, plate 316SS (6S) / flange Carbon Steel (CS), PN10 flange (optional rating), DP tap 1 (1/2 tap), no meter run (N) — ordering example based on the orifice approved drawing