

ORIFICE PLATE TYPE FLOWMETER

OPF SERIES

Technical Data

Service: Air, Gases, Water and other Liquid
Upper Housing Type: Differential Pressure Gauge, and Differential Pressure Transmitter available
Dial Indicator: $\phi 4''$ or $\phi 6''$ available (except Transmitter type)
Housing Material: SS304
Body Material: SS316, SS304, PVC, PVDF, option available
Beta Ratio: (β) 0.3~0.7

β	Discharge Coefficient Uncertainty
≤ 0.4	$\pm 0.5\%$
$0.4 < \beta < 0.65$	$\pm 0.75\%$
$\geq 0.65^{(*)}$	$\pm 1.0\%$

(*) For $\beta 0.65$ and $ReD < 10,000$ add an additional 0.5% to the discharge coefficient uncertainty.

Discharge Coefficient Uncertainty:

For $\frac{1}{2}'' - (\beta) 0.3 \sim 0.7$: $\pm 2.25\%$
 For $1'' \sim 1\frac{1}{2}'' - (\beta) 0.3 \sim 0.7$: $\pm 1.75\%$
 For $2'' \sim 20'' - (\beta) 0.3 \sim 0.7$: $\pm 1.25\%$

Flow Element: Orifice type

Connection Size: 2''~20'' and option available

Connection Rating: ANSI 150#, ANSI 300#; other flange rating available

Flow Range: Water- 3~2500 M³/H ; Air- 30~2400 NM³/H

Max. Working Temperature: PVC- 40°C ; PVDF- 80°C ;
 Metal- standard 150°C (300°C option)

Accuracy: DPH200/300/400: $\pm 3\%$ F.S (Ascending)

D/P Transmitter: $\pm 0.04\%$ of Span

DPBG: $\pm 2.5\%$ F.S (on rising pressure)

Parts & Material List

(This parts is changed available)

unit=mm

Parts List

Item	Parts Name	Description	Material
1	Flow Gauge	Model: DPH200/300/400	Refer Catalogue
2	Flow Gauge	Model: DPBG	Refer Catalogue
3	Flow Gauge	D/P Transmitter	Refer Catalogue
4	3-Way Manifold	Model: MD3-H	SS316
5	Flow Element Body	Corner Tap Type	SS316
6	Tube	$\phi 8\text{mm}$	SS316
7	Bolt	M6 x 4	SS316
8	Mouting Pipe Plate	2'' Pipe with U-Bolt	SS304

NOTE.
 1. D & L, please refer to the Dimensions Table as next page.
 2. L=Total Length, please consult with the manufacturer.



D/P Transmitter



D/P Gauge



