



Compact Orifice Plate



**Compact Orifice
Plate**



Overview

The compact orifice plate is an economic DP flowmeter for a broad range of applications. The flow meters with built in compact pressure tapings and valves are designed for direct transmitter mounting for a wide range of gas, liquid and steam applications. They fit most pipe sizes and require low maintenance. These measuring arrangements have the advantage that differential pressure lines can be eliminated.



Specifications

Product positioning : For liquids, gases and steam

Nominal diameter / size: DN50...DN 1000 / 2" ...38"

Process Wetted Material : SS316/SS316L, Duplex, Super Duplex, Hastalloy, Inconel 625/825

Process pressure: max. 160 bar

Process temperature: -130...+400°C

Flange connections: EN (1092-1): DN 50... DN 1000
ASME (B 16.5): 2" ...38"

Mounting Style : Rased Face (standard), FF, Ring Type joint (RTJ)

Flange Facing: Between Flange according to DIN or ANSI standard



Special features

- Designed with built-in flow calculations.
- Compact orifice plate available in 2" to 38" line size.
- No external impulse lines: reduced risk of leakage.
- Compact and robust design.
- Installation between existing flanges (ASME/EN).
- Complete measuring point consisting of orifice plate, valve manifold and differential pressure transmitter available.
- Simple installation without differential pressure lines.



Approvals

- MTC 3.1
- MTC 3.2 and other certificates will be available on the request



Applications

- Chemical and petrochemical industries
- Flow measurement of refined products
- Demineralised water
- Oil and gas production
- Process plants and power generation
- Water treatment and distribution
- Gas processing and transport
- Oil production and refining



Model Code Selection

Model Name: COM-OP

 X1 X2 X3 X4 X5 X6 X7

Pipe Size EN Standard DN 50.... DN 1000	X1
50	XX
Pipe Size ASME 2".....38"	X1
2	XX

Flange rating ASME (B 16.5)	X6
150#	A
300#	B
600#	C
Flange Rating EN (1092-1)	X6
PN16	1
PN25	2
PN40	3

Pipe Schedule for Rating EN Standard	X2
PN 16	PN 16
PN 25	PN 25
PN 40	PN 40
Select Pipe Schedule ASME Rating	X2
SCH 10,	S-10
SCH 40,	S-40
SCH 80	S-80

Certificates/Approvals Ex	X7
MTC 3.1	M
MTC 3.2 and other certificates will be available on the request	N

MOC	X3
316/316L stainless steel chamber	A
Inconel 625	B
Inconel 825	C
Monel	D
Hastelloy C-276	E
6 MO	F
SS Duplex	G

Flange Connection Type	X4
ASME (B 16.5)	A
EN (1092-1)	E

Flange Facing	X5
Flat Face	FF
Raised Face	RF
Ring Type Joint	RTJ



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