

COMPACT FLOWMETER

Simple, cost-saving and leakage free solution

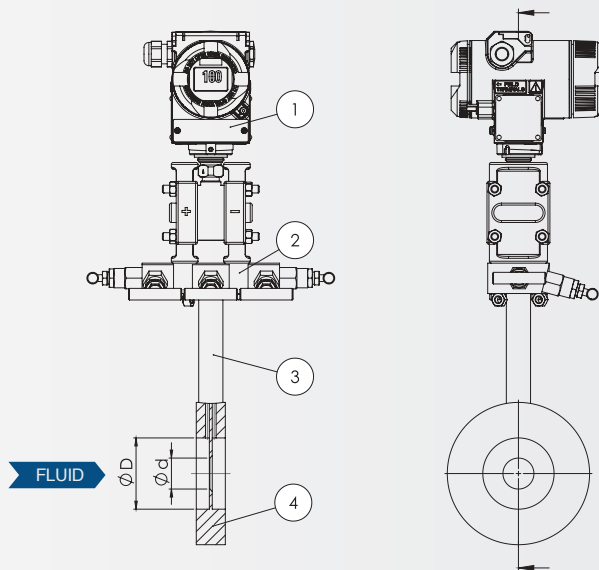
GENERAL DATA

- Standards: ISO 5167-1&2, ISO/TR 15377 or ASME MFC-3M
- Flange mounting⁽¹⁾ :
 - o ISO PN 2.5 to 420
 - o ASME 150# to 2500#
 - o Others: upon request
- Material:
 - o Standard: stainless steel 304L / 316L
 - o Others⁽¹⁾: according to your application
- Fluid: liquid, gas, steam
- Pipes from ϕ 25 to 600 mm – beyond, contact us
- Accuracy: 0.5 % of the max flow rate
- Repeatability of measurement: 0.1 %



ΔP
0/0
pressure tap⁽¹⁾

Mark	DESIGNATION
1	Differential pressure flowmeter
2	Manifold
3	Connecting pipe
4	Orifice carrier (monoblock)



- Direct mounting of the differential pressure transmitter, no connecting tubes
- Reduced installation and commissioning costs
- No risk of leakage : factory-tested device, no maintenance

The compact flowmeter includes:

- the suitable orifice,
- the compact pressure taps,
- the integrated 3-ou 5-way manifold or bracket,
- optional pre-set differential pressure transmitter.

TECHNICAL CHARACTERISTICS - according to the primary element considered

Orifice plates (sharp edge, conical entrance, quarter circle, eccentric, segmental, conditioning)	See corresponding technical datasheet	p 10 to 15
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ACCESSORIES

Temperature sensor	Sensor mounted on the downstream pipe	p 41
Multivariable differential pressure transmitter ⁽²⁾	This transmitter enables the correction of density of gases as a function of temperature and pressure	p 52

⁽¹⁾ For more details, see «Technical information» section on page 54.

⁽²⁾ The density of gases and steam is variable depending on their temperature and pressure. Compensation is essential for an accurate measurement.