

FMP SERIES

PRECESSION VORTEX FLOW METER

FEATURES

- ⊙ No moving parts, low maintenance
- ⊙ High accuracy and repeatability
- ⊙ Optional temp & pressure compensation
- ⊙ Multiple outputs: 4–20mA, pulse, Rs485, HART
- ⊙ Suitable for various industrial gases
- ⊙ Optional explosion-proof version



INTRODUCTION

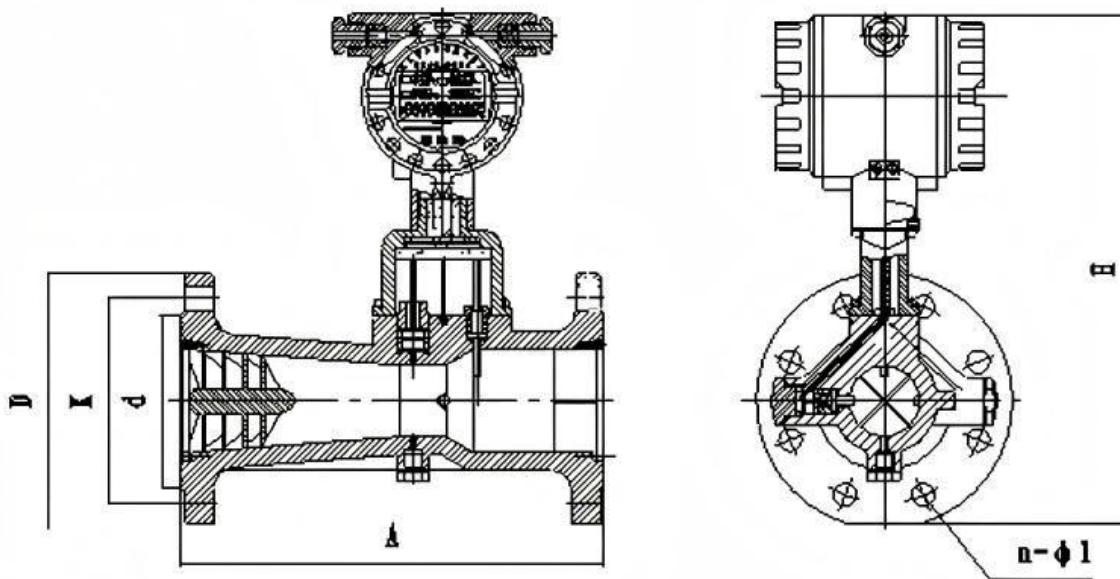
The FMP Series Precession Vortex Flow Meter is a high-precision instrument designed for accurate and reliable measurement of gas flow in industrial applications. Utilizing advanced precession vortex technology, it detects flow velocity changes caused by vortex precession phenomena in the fluid, offering excellent stability and repeatability. With no moving parts, the meter provides a long service life and is well-suited for measuring natural gas, compressed air, biogas, and various other industrial gases.

It supports multiple output signals including pulse, 4-20mA, and RS485 Modbus, with optional integrated temperature and pressure compensation for real-time standard volume flow calculation.

SPECIFICATIONS

Medium	Air,natural gas,hydrogen,nitrogen,oxygen,argon,ammonia,biogas etc
Nominal diameter	DN15-DN200
Power supply	24VDC, 3.6V lithium battery
Output signal	4-20mA, Rs485, HART, Pulse
Accuracy	1.0% 1.5%
Nominal pressure	1.6MPa, 2.5MPa, 4.0MPa, 6.3MPa, others on request
Ambient temp.	-30~60°C
Explosion Class	ExcdIIBT4
Housing material	Aluminum alloy, SS304,SS316L

DIMENSIONS



Unit: mm

Model	Diameter (DN)	Pressure(MPa)	A	H	D	K	n×d
FMP-20A	20	1.6、2.5、4.0、6.3	160	305	105	75	4-φ 14
FMP-25A	25	1.6、2.5、4.0、6.3	180	315	115	85	4-φ 14
FMP-32A	32	1.6、2.5、4.0、6.3	200	330	140	100	4-φ 18
FMP-50A FMP-50B	50	1.6、2.5、4.0 6.3	232	355 365	165 180	125 135	4-φ 18
FMP-80A FMP-80B	80	1.6、2.5、4.0 6.3	330	390 400	200 215	160 170	8-φ 18
FMP-100A FMP-100B	100	1.6 2.5 4.0	410	410 420 420	220 235 235	180 190 190	8-φ 18 8-φ 22
FMP-150A FMP-150B	150	1.6 2.5 4.0	580	470 490 490	285 300 300	240 250 250	8-φ 22 8-φ 26
FMP-200A	200	1.6 2.5 4.0	700	525 540 550	340 360 375	295 310 320	12-φ 22 12-φ 26 12-φ 30

