



Ventilumix (USA)



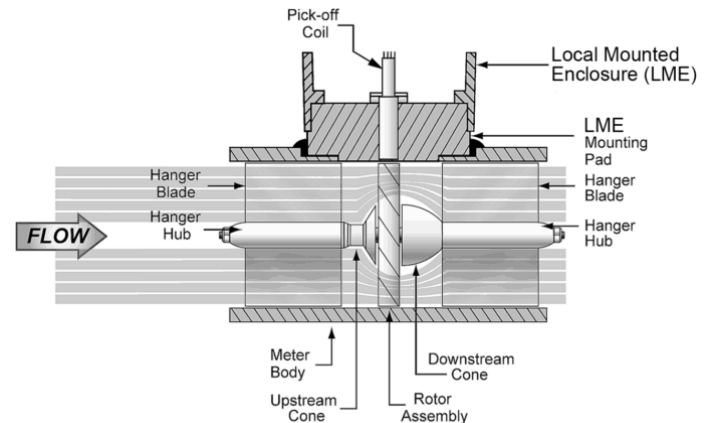
DATASHEET

TURBINE FLOWMETER

Turbine Flow Meter:

Introduction:

The turbine flowmeters are advanced precision instruments designed using the latest technological innovations from both domestic and international sources. They offer a perfect balance of accuracy and simplicity, making them ideal for a wide range of industrial applications. With a lightweight and optimized design, these flowmeters ensure precise measurements with rapid response times. Their user-friendly structure allows for easy installation and maintenance, enhancing operational efficiency. Suitable for measuring pure liquids with low viscosity, they are compatible with mediums such as water, alcohol, and various fuels.



Function:

- Capable of covering a broad range of flow rates with minimal pressure loss and robust impeller resistance to impact.
- Delivers outstanding measurement precision with an extended operational lifespan, all at a cost-effective price.
- Features a streamlined structure for easy installation and maintenance, suitable for various industrial applications.
- Provides instantaneous velocity and total flow readings for real-time monitoring.
- Enables overall flow calculation and seamless computer connectivity for advanced data integration.

Flow Range:

Nominal diameter(mm)	Standard flow range(m3/h)	Extended flow range(m3/h)
DN 4	0.04~0.25	0.04~0.4
DN 6	0.1~0.6	0.06~0.6
DN10	0.2~1.2	0.15~1.5
DN 15	0.6~6	0.4~8
DN 20	0.8~8	0.45~9
DN 25	1~10	0.5~10
DN 32	1.5~15	0.8~15
DN 40	2~20	1~20
DN 50	4~40	2~40
DN 65	7~70	4~70
DN 80	10~100	5~100
DN 100	20~200	10~200
DN 125	25~250	13~250
DN150	30~300	15~300
DN 200	80~800	40~800

Technical Specification:

Nominal Diameter	DN4-- DN200
Medium	Liquid (water, beverage, lubricating oil, hydraulic oil, organic liquid, inorganic liquid without fiber and particle impurities, etc.)
Accuracy class	±1.0%R 0.5% Selectable
Rated Pressure	16 Bars~63 Bars Max Customize to 420 Bars
Medium temperature	-20 °C ~ 80°C
Customized temperature	-20°C~120°C
Relative humidity	5% to 90%
Range Ration	1:10,1:20,1:30
Power supply	24VDC, 3.6V lithium battery
Signal output	4-20mA /RS485/HART/Modbus
Atmospheric pressure	0.86Bar~1.06Bar
Explosion Proof Grade	IP65(Higher and customizable)

Turbine Flowmeter Selection Table:

Basic Model	VCTU	2	S	A	S	D	N	C	XXXX
Instrument type									
Thread	1								
Clamp	2								
Flange	3								
Accuracy									
1% (Before DN15)	S								
0.5% (After DN15)	E								
0.2% (Negotiate the order. Long production cycle)	C								
Turbine Range									
0.5	A								
0.2 (Negotiate the order. Long production cycle)	B								
Material									
SS304	S								
SS316 (L)	L								
Impeller Material									
2Cr13 impeller	I								
Duplex steel impeller	D								
Explosion proof									
Non-explosion-proof type	N								
Explosion-proof type, Exd II BT6	E								
Pressure Level									
Conventional	C								
High pressure	H								
Pipe Size									
Please use 4 digit pipe size, such as DN50=0050, DN300=0300									XXXX