



Main Features

- ◆ A wide range of measuring media, liquids, gases and steam can be measured;
- ◆ With temperature and pressure compensation function, stable measurement.
- ◆ High working temperature, medium temperature of high temperature probe can reach 350°C;
- ◆ No moving parts, no wear, high reliability;
- ◆ It can transmit traffic signals over long distances, and can be networked with computers to achieve centralized management;
- ◆ The sensor is made of stainless steel, which is corrosion resistant.

Measuring Medium

1. Mostly used for flow measurement of saturated steam and superheated steam
2. It can also be used for nitrogen, methane, hydrogen, air, compressed air and other gases.
3. It can also measure liquids. Care should be taken to avoid vibration when using a vortex flowmeter.

FLOW RANGE SHEET

Vortex			
	Gas m3/h	Steam t/h	Liquid m3/h
DN15	2-20	9-90kg/h	0.8-6
DN20	4-40	15-150kg/h	1-8
DN25	6-60	30-300kg/h	1.5-10
DN32	10-100	60-600 kg/h	2-15
DN40	18-180	0.2-2	3-20
DN50	30-300	0.3-3	4-40
DN65	50-500	0.3-3	6-60
DN80	70-700	0.5-5	13-130
DN100	100-1000	0.8-8	20-200
DN125	150-1500	1-10	36-360
DN150	200-2000	1.5-15	50-500
DN200	400-4000	2-20	100-1000
DN250	600-6000	3.5-35	150-1500
DN300	1000-10000	5-50	200-2000

Item	Parameters
Nominal diameter	DN15-300mm
Power supply	24VDC (220VAC, 3.6V customizable)
Material	Carbon steel / Stainless steel
Medium Temperature	-40-250°C (260-350°C high temperature probe optional)
Pressure	1.6Mpa
Connection type	thread connection (DN4-50mm) Clamping connection (DN15-300mm) Flange type (DN15-300mm)
Structure	Integrated type, Split type (10m cable) Insertion type (DN200-1500mm)
Protection level	IP65/IP68
Temperature and pressure compesation	With/ Without
Output communication	Standard configuration: Pulse, 4-20mA, RS485 MODBUS, Hart

► INSERTION VORTEX FLOWMETER



Main Features

- ◆ In the pipeline flow detection, the technology of opening under pressure and installation under pressure is adopted.
- ◆ It is used for large pipes with a diameter of DN200mm and above, and has absolute installation advantages and price advantages.
- ◆ Flow detection is only related to insertion depth. Strong versatility and strong interchangeability. One model can be applied to the fluid measurement requirements of pipes of various sizes.

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► SPLIT TYPE VORTEX FLOW METER



BTLUGB		XXX	X	X	X	X	X	X	X	X	X	X
Nominal diameter (mm)	Nominal Diameter Coding											
Design pressure	1.6Mpa	1										
	2.5Mpa	2										
	4.0Mpa	3										
	others	4										
Media	Liquid	1										
	general gas	2										
	Saturated steam	3										
	Superheated steam	4										
Connection	flange	1										
	tri-clamp	2										
	thread	3										
	wafer	4										
	plug-in	5										
Signal Output	Pluse					N						
	4-20mA					A						
	RS485					B						
	HART					C						
Power supply	3.6V					1						
	24VDC					2						
	3.6V+24VDC					3						
	220VAC					4						
Structure	Compact type						C					
	Remote type						R					
	field display						X					
	temperature & pressure compensation						Z					
Design temperature	-20-250°C							S				
	-20-350°C							H				
Material	carbon steel								1			
	SS304								2			
	SS316L								3			
Accuracy	1.0% F.S									10		
	1.5% F.S									15		
Anti-explosion	Non-explosion proof										N	
	Exd II CT6 Gb										H	

Nominal Diameter Coding Table	
Nominal diameter	Coding
15	015
20	020
25	025
32	032
40	040
50	050
65	065
80	080
100	110
125	112
150	115
200	120
250	125
300	130
400	140
450	145
500	150
600	160
700	170
800	180
900	190
1000	210
1200	212
1400	214
1500	215
1600	216
1800	218
2000	220