

Main Features

- ◆ High accuracy, up to $\pm 1.5\%R, \pm 1.0\%R$;
- ◆ Sensitive response, good repeatability, short-term repeatability can reach 0.05%~0.2%. It is the preferred flow meter in trade settlement;
- ◆ Can detect the temperature, pressure and flow of the measured gas. High-reliability gas precision measuring instrument capable of automatic flow tracking and compensation;
- ◆ It can be equipped with oil injection pump to protect the impeller and prolong the service life of the flowmeter.

Measuring Medium

1. Mostly used for metering control of natural gas
2. It can also be used for biogas, liquefied petroleum gas, coal gas, nitrogen, hydrogen and other gases.

It is widely used in gas metering and gas pressure regulating stations, transmission and distribution pipeline networks, and urban natural gas metering in various industries such as petroleum, chemical industry, electric power, and industrial boilers.



FLOW RANGE SHEET



Gas turbine m3/h	
DN25	4-40
DN40	10-100
DN50	16-160
DN65	25-250
DN80	40-400
DN100	65-650
DN125	100-1000
DN150	160-1600
DN200	250-2500
DN250	400-4000
DN300	600-6500

Item	Parameters
Nominal diameter	DN25-300mm
Power supply	24VDC+3.6V dual power supply
Material	SS304, SS316
Medium temperature	-20-80°C
Rated pressure	1.6Mpa
Connection type	thread connection (DN25-50mm) Flange type (DN10-300mm)
Flange standard	GB, ANSI, DIN, JIS
Protection level	IP65
Output communication	Pulse, 4-20mA, RS485 MODBUS , Hart
Oil injection pump	With/without
Explosion proof	Ex ia IIC T6 Ga

► SELECTION TABLE



BTLWGQ		XXX	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								
Connection	flange	1								
	tri-clamp	2								
	thread	3								
Signal Output	Pluse		N							
	4-20mA		A							
	RS485		B							
	HART		C							
Power supply	3.6V		1							
	24VDC		2							
	3.6V+24VDC		3							
Accuracy	1% F.S					10				
	1.5% F.S					15				
Material	SS304						S			
	SS316						L			
Anti-explosion	Non-explosion proof						A			
	Exd II BT6						B			
Meter core material	anti-corrosion ABS							N		
	aluminum alloy							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