

Vortex Flowmeter



WAFER TYPE



FLANGE TYPE

Intelligent Vortex flowmeter is new generation product of vortex flowmeter Compared with conventional vortex flowmeter, it is more convenient to operate. For example ,one converter is suitable to transducer of all drift diameters. It can constitute measuring control system with DCS etc, can also be used as measuring instrumentation for measuring control for wide range of application.

JCLUGB/E series are suitable for oil, chemical industry, metallurgy, heating power, spinning, papermaking ,etc.

Be use of control: overheating vapor, saturation vapor, compressed air, ordinary air(oxygen, nitrogen, hydrogen,natural gas, coal gas,etc),water and liquid (water, petrol , alcohol, benzene ,etc.)

Precision :liquid $\pm 1.0\%FS$

Gas and vapor: $\pm 1.0\%FS$ or $\pm 1.5\%FS$

Range of medium temperature:-25centigrade to +350C


Ambient temperature: -25centigrade to +70C

Power :analog output:18—45 VDC

Pulse output:14—30VDC

Working pressure:< 3.2Mpa

Spectrum 25,40,50,80,100,150,200,250,300mm

Technical Data Sheet JAYCEEVORTEX- JCLUGB/E Series....	
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Measuring medium	Liquid, gas, vapor, steam
Medium temperature	Normal temperature: -40° C~+80° C High temperature +280° C Maximum temperature +350° C
Medium pressure	1.0MPa, 1.6MPa, 2.5MPa... 4.0MPa
Intrinsic error	Full tube type: ± 0.5%, ± 1.0%, ± 1.5% Plug-in type: ± 2.5%
Ratio of measurement range	1: 10
Range of flow speed	Liquid(water): 0.25M/S~9.5M/S Gas: 4M/S~78M/S Vapor: 3M/S~78M/S
Caliber D _N (mm)	Full tube type: 15, 25, (32), 40, 50, (65), 80, 100, (125), 150, 200, 250, 300 Plug-in type: 300~3000
Reynolds number	Re> 4000
Drag coefficient	Full tube type: C _d ≤ 2.4, Plug-in type: Drag loss can be omitted
Degree of anti-explosion	NIL
Ambient temperature	Non anti-explosive area: -40° C~+55° C Anti-explosive area: -20° C~+55° C
DC supply	+3.6V, +12V, +24V (Field data show the supply is +3.6V for 3 to 5 years)
Output signal	Frequency impulse signal: 1~2600Hz, low level ≤ 1V, high level ≥ 5V, transmitter: two-wire system 4~20mA
Material	1Cr18Ni9Ti

For your precise measurement, please inform us as much information as possible about your application in your mail.

In particular, it is helpful to include the medium to be measured, the pipe diameter or schedule, the pressure, and the maximum flow rate.