

VORTEX FLOW METER

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GIVO-D series



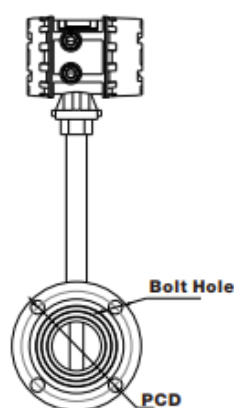
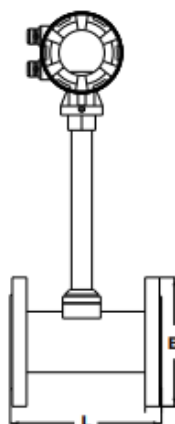
Resistance Temp.	-40°C - +420°C
Ambient Temp.	-20°C - +50°C
Velocity	Liquid 0.3m/s-10m/s Gas/Steam 3.0m/s-90m/s
Output	Pulse, 4-20mA, RS485, HART
Accuracy	±1.5%, ±1.0% option
Power Supply	3.6VDC Battery, 24VDC +- 5% available
Size	DN10- DN500, Insertion type DN100-DN2000
Flange Type	DIN, PN, ANSI, JIS

Description

GIVO vortex flow meter is a flow measurement device best suited for flow measurements where the introduction of moving parts presents problems. They are available in industrial grade, brass or all plastic construction. Sensitivity to variations in the process conditions are low and with no moving parts have relatively low wear compared to other types of flow meters.



GIVO-V series



Model	Suffix Code										Description
GIVO-	1	2	3	4	5	6	7	8			Vortex Flow Meter
Fluid	L										Liquid
	G										Gas / Air
	S										Steam
Diameter	XXX										Stand for diameter 015: DN15; 050: DN50 100: DN100; 300: DN300
		S									Compact type
Structure		L									Remote type
			C								Fluid: liquid; 24V DC; 4-20mA / Pulse output; Digital display; Ex
Converter Type			V								24V DC; 4-20mA / Pulse output (V type is only for Gas/ Steam application) No compensation
			DB								24V DC; 4-20mA output/ Pulse; Temperature & Pressure Compensation; 3 wires for option
			DA								24V DC; 4-20mA output/ pulse; Temperature & Pressure Compensation; Digital display; ±1.0% accuracy; max 420°C ; Ex;3 wires for option
			Notice:								1) Modbus RS485 is optional for V, D series 2) Dual power (24V DC+Battery) is optional for C, V , D series
Body Material					S4						SS304
					S6						SS316
Explosion Proof						BT					ExdIIBT6
						CT					Exiall CT1- CT6
						NA					No explosion proof
Connection							WAF				Wafer connection
							DXX				D16: DIN PN16 Flange; D25: DIN PN25 Flange...
							AXX				A15: ANSI 150# Flange; A30: ANSI 300 # Flange...
							JXX				J10: JIS 10K Flange; J20: JIS 20K Flange...
							XXX				Insertion; Thread; Tri- clamp
Temperature							T1				-20...+100°C
							T2				-20...+250°C
							T3				-20...+300°C
							T4				-20°C...+420 °C (only for DA type)

1 2 3 4 5 6 7 8
GIVO- S 100 S D S4 BT D16 T2

- 1 S: Steam application
- 2 100: DN100
- 3 S: Compact type with local display
- 4 D: 24V DC power supply; temperature and pressure compensation
- 5 S4: SS304 body material
- 6 BT: ExdIIBT6
- 7 D16: Flange DIN PN16
- 8 T2: -20...+250°C

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Flow Range

Diameter		Liquid	Gas
(mm)	(Inch)	Flow (m³/h)	Flow (m³/h)
15	1/2"	1.2 to 6.2	5 to 25
20	3/4"	1.5 to 10	8 to 50
25	1"	1.6 to 16	10 to 70
40	1-1/2"	2.5 to 26	22 to 220
50	2"	3.5 to 38	36 to 320
65	2-1/2"	6.2 to 65	50 to 480
80	3"	10 to 100	70 to 640
100	4"	15 to 150	130 to 1100
125	5"	25 to 250	200 to 1700
150	6"	36 to 380	280 to 2240
200	8"	62 to 650	580 to 4960
250	10"	140 to 1400	970 to 8000
300	12"	200 to 2000	1380 to 11000

DIN Flange Meter Dimension							
Size Code		L	DIN Flange Pressure Rating	Flange Diameter (B)	Bolt Hole Diameter	Bolt Circle Diameter (PCD)	Bolt Hole Quantity
(Inch)	(mm)	(mm)	Mpa	(mm)	(mm)	(mm)	
1/2"	15	180	1.6	95	14	65	4
3/4"	20	180	1.6	105	14	75	4
1"	25	180	1.6	115	14	85	4
1-1/4"	32	180	1.6	140	18	100	4
1-1/2"	40	180	1.6	150	18	110	4
2"	50	180	1.6	165	18	125	4
2-1/2"	65	200	1.6	185	18	145	4
3"	80	200	1.6	200	18	160	8
4"	100	200	1.6	220	18	180	8
5"	125	220	1.6	250	18	210	8
6"	150	220	1.6	285	22	240	8
8"	200	220	1.6	340	22	295	12
10"	250	250	1.6	405	26	355	12
12"	300	300	1.6	460	26	410	12