

Vortex Flow Meter



& TECHNICAL PARAMETER

1. Application: liquid, gas, steam
2. Pipe size: DN15-DN300 is flange/ tri-clamp/thread connection, >DN300 is the insertion type.
3. LCD display
4. Output: 4-20mA, Pulse, RS485, Modbus, HART
5. Power supply: 24V DC, 3.6V Lithium Battery.
6. Product material: 304SS, 316L
7. Flow range: liquid: >0.3m/s, gas: >3m/s
8. Temperature range: -40 to 350 ° C;
9. Pressure: 1.6MPa, 2.5MPa, 4.0MPa. High pressure can be customized.

& FLOW RATE

Diameter		Gas	Liquid
(mm)	(inch)	Flow(m3/h)	Flow(m3/h)
15	1/2"	2-20	0.2-2
20	3/4"	6-50	1.2-12
25	1"	8-60	1.6-16
32	1-1/4"	12-120	2-20
40	1-1/2"	20-200	2-30
50	2"	30-300	3-50
65	2-1/2"	50-500	18-180
80	3"	70-700	15-150
100	4"	100-1000	20-200
125	5"	150-1500	36-360
150	6"	200-2000	50-500
200	8"	400-4000	100-1000
250	10"	600-6000	150-1500
300	12"	1000-10000	200-2000

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& SATURATED STEAM MASS FLOW MEASUREMENT RANGE (FOR REFERENCE)

P (MPa) T (°C) ρ (kg/h)		0.2 120.23 1.129	0.3 133.54 1.651	0.4 143.62 2.163	0.5 151.84 2.669	0.6 158.84 3.17	0.7 164.96 3.667	0.8 170.41 4.162	0.9 175.36 4.655	1.0 179.88 5.147	1.2 187.96 6.127	1.4 195.04 7.106	1.6 201.37 8.085	1.8 207.11 9.065	2.0 212.37 10.05
DN20 Qmax Qmin	kg	7 10	10 100	12 120	14 140	18 180	20 200	24 240	28 280	30 300	36 360	42 420	48 480	54 540	60 600
DN25 Qmax Qmin	kg	9 90	13 130	16 160	20 200	25 250	30 300	32 320	37 370	40 400	48 480	56 560	64 640	72 720	80 800
DN32 Qmax Qmin	kg	13 130	20 200	25 250	32 320	36 360	44 440	48 480	56 560	60 600	73 730	84 840	96 960	110 1100	120 1200
DN40 Qmax Qmin	kg	22 220	33 330	40 400	50 500	60 600	75 750	80 800	94 940	100 1000	120 1200	140 1400	160 1600	180 1800	200 2000
DN50 Qmax Qmin	kg	30 300	50 500	60 600	80 800	90 900	110 1100	120 1200	140 1400	150 1500	180 1800	210 2100	240 2400	270 2700	300 3000
DN65 Qmax Qmin	kg	50 500	80 800	100 1000	130 1300	150 1500	180 1800	200 2000	240 2400	250 2500	300 3000	350 3500	400 4000	450 4500	500 5000
DN80 Qmax Qmin	kg	80 800	120 1200	140 1400	180 1800	210 2100	250 2500	300 3000	320 3200	360 3600	420 4200	500 5000	560 5600	630 6300	700 7000
DN100 Qmax Qmin	kg	110 1100	170 1700	210 2100	270 2700	320 3200	370 3700	420 4200	470 4700	510 5100	610 6100	700 7000	800 8000	900 9000	1000 10000
DN125 Qmax Qmin	t	0.17 1.7	0.24 2.4	0.33 3.3	0.40 4.0	0.48 4.8	0.56 5.6	0.64 6.4	0.7 7.0	0.78 7.8	0.9 9.0	1.0 10	1.2 12	1.4 14	1.5 15
DN150 Qmax Qmin	t	0.24 2.4	0.31 3.1	0.44 4.4	0.55 5.5	0.65 6.5	0.75 7.5	0.84 8.4	0.95 9.5	1.10 11.0	1.4 14	1.6 16	1.8 18	2.0 20	2.4 24
DN200 Qmax Qmin	t	0.5 50	0.7 70	0.85 85	1.05 10.5	1.3 13	1.5 15	1.6 16	1.9 19	2.1 21	2.5 25	2.9 29	3.2 32	3.6 36	4.0 40
DN250 Qmax Qmin	t	0.7 7.0	1.0 10	1.3 13	1.5 15	1.9 19	2.1 21	2.5 25	2.8 28	3.1 31	3.7 37	4.5 45	5.0 50	5.5 55	6.1 61
DN300 Qmax Qmin	t	1.10 11	1.7 17	2.2 22	2.7 27	3.2 32	3.7 37	4.2 42	4.7 47	5.2 52	6.2 62	7.2 72	8.1 81	9.1 91	10.0 100
DN350 Qmax Qmin	t	1.7 17	2.4 24	3.3 33	4.0 40	4.8 48	5.6 56	6.4 64	7.0 70	7.8 78	9.0 90	10 100	12 120	14 140	15 150
DN400 Qmax Qmin	t	2.0 20	3.0 30	3.7 37	4.9 49	5.5 55	6.7 67	7.3 73	8.5 85	9.2 92	11.0 110	14 140	15.6 156	17.2 172	18.5 185
DN500 Qmax Qmin	t	2.4 24	3.1 31	4.4 44	5.5 55	6.5 65	7.5 75	8.4 84	9.5 95	11 110	14 140	16 160	18 180	20 200	24 240
DN600 Qmax Qmin	t	3.5 35	5.1 51	6.7 67	8.4 84	9.8 98	11.5 115	12.9 129	15.0 150	16.2 162	19.3 193	22.4 224	25.6 256	28.8 288	32.1 321

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& MODEL SELECTION

LUGB	-□	-□	-□	-□	-□	-□	-□	-□	-□	-□	-□	Explanation
Nominal diameter (In mm)	diameter											DN15-300(Pipeline)
												DN200-1500(Plug-in)
Connection	Pipeline	FL										Flange connection
		JZ										Flange clamp
		Z										Special rules
	Insert	J										Simple Formula
		Q										Ball type
Accuracy		Pipe line	10									1.0%R
			15									1.5%R
		Insert	20									2.0%R
			25									2.5%R
			Z									Special accuracy standards
Temperature and pressure					S							T(S)P(S)At normal temperature and pressure
					Z							T(Z)P(Z)Twin extreme pressure
Communication protocol						N						No communication interface
						H						HART protocol
						M						MODBUS protocol
Output							1					No output
							2					Two-wire 4-20mA output
							3					Pulse output
Power supply								D				DC12V
								DB				Dual 12V power supply and battery
								DD				DC24V
								B				Battery 3.6V power supply, no signal output uses only
Sensor Material									S			304Stainless steel
									L			316Stainless steel
Core Component Materials										S		304Stainless steel Probes
										L		316Stainless steel Probes
Measuring medium											1	Gas
											2	Liquid
											3	Saturated steam
											4	Superheated steam