

HYDRAFLOW

Turbine Flowmeter

Revolutionizing Flow



HYDRAFLOW turbine flow meter is ideal for measuring liquid flow with highest precision and accuracy.

It offers high wear resistance with a wide measurement range, and with minimal pressure drop.

HIGH ACCURACY



VARIOUS
COMMUNICATION
OPTIONS



FOR AGGRESSIVE
MEDIA



FLOW
CONDITIONING
MECHANISM



FEATURES

TECHNICAL DATA

Size & Process Connection	mm	Thread connection: DN4, 6, 10, 15, 20, 32, 40, 50, 65, 80, 100 Flange connection: DN15, 20, 32, 40, 50, 65, 80, 100, 125, 200 Tri-Clamp connection: DN4, 6, 10, 15, 20, 32, 40, 50, 65, 80, 100
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Accuracy	-	±0.5%, ±0.2% (Optional)
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Sensor Material	-	SS304, SS316L (Optional)
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Impeller	-	2Cr13
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Temperature	°C	Medium temperature : -20 to 80 High temperature version: -20 to 150 Ambient temperature: -20 to 60
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Signal Output	-	Pulse, 4-20 mA, Alarm (optional)
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Digital Communication	-	RS485 MODBUS RTU, HART
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Power Supply	-	24V DC/3.6V Lithium Battery
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Cable Entry	-	M20*1.5; 1/2"NPT
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Explosion-proof class	-	Ex d IIC T6 Gb
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Protection class	-	IP65; IP67 (Optional)
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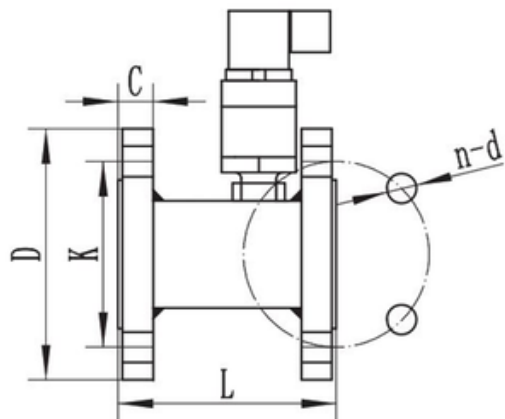
Structure	-	Compact, Remote
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Cable length	m	10m standard, other length optional
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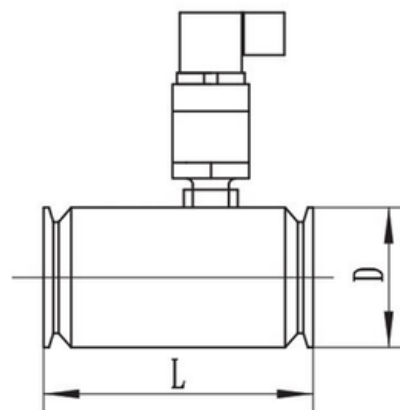
TECHNICAL DATA

Size	Standard Flow Range (m ³ /h)	Extended Flow Range (m ³ /h)	Standard Connection and Pressure	Optional Pressure
DN4	0.04-0.25	0.04-0.4	Thread/6.3MPa	Upto 42MPa
DN6	0.1-0.6	0.06-0.6	Thread/6.3MPa	
DN10	0.2-1.2	0.15-1.5	Thread/6.3MPa	
DN15	0.6-6	0.4-8	Thread/6.3MPa Flange/4.0MPa	
DN20	0.8-8	0.45-9	Thread/6.3MPa Flange/4.0MPa	
DN25	1-10	0.5-10	Thread/6.3MPa Flange/4.0MPa	
DN32	1.5-15	0.75-15	Thread/6.3MPa Flange/4.0MPa	
DN40	2-20	1-20	Thread/6.3MPa Flange/4.0MPa	
DN50	4-40	2-40	Thread/6.3MPa Flange/4.0MPa	
DN65	7-70	3.5-70	Thread/1.6MPa Flange/1.6MPa	
DN80	10-100	5-100	Thread/1.6MPa Flange/1.6MPa	
DN100	20-200	10-200	Thread/1.6MPa Flange/1.6MPa	
DN125	25-250	12.5-250	Flange/1.6MPa	
DN150	30-300	15-300	Flange/1.6MPa	
DN200	80-800	40-800	Flange/1.6MPa	
DN250	120-1200	60-1200	Flange/1.6MPa	
DN300	150-1500	75-1500	Flange/1.6MPa	

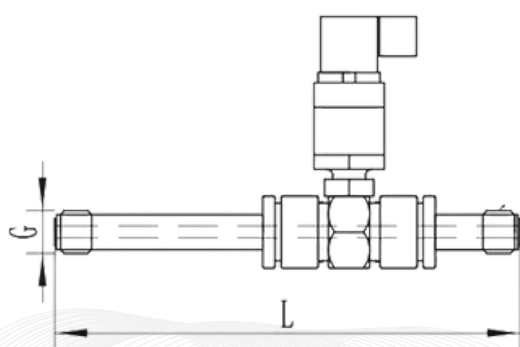
DIMENSIONS



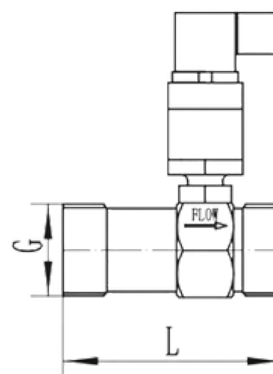
FLANGED CONNECTION



WAFER CONNECTION



WITH STRAIGHT PIPELINE



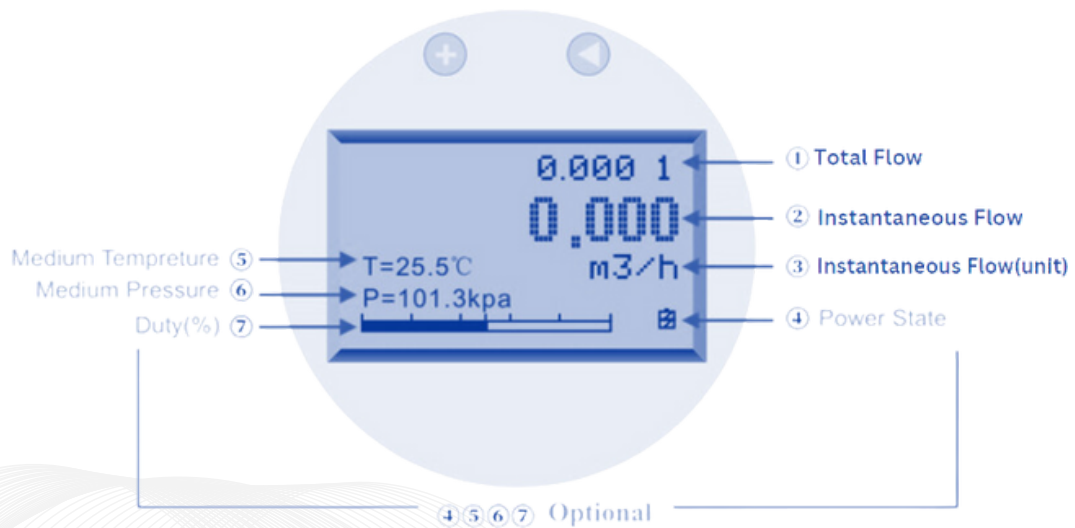
THREADED CONNECTION

DN (mm)	Dimension					Flange	Thread	Tri Clamp
	L (mm)	D (mm)	K (mm)	D (mm)	n (# of bolts)	Thickness (mm)	G (male)	Clamp (OD)
4	225						G1/2"	50.5
6	225						G1/2"	50.5
10	345	90	60	14	4	16	G1/2"	50.5
15	75	95	65	14	4	16	G1"	50.5
20	80	105	75	14	4	18	G1"	50.5
25	100	115	85	14	4	18	G1/4"	50.5
32	120	140	100	18	4	18	G1 1/2"	50.5
40	140	150	110	18	4	19	G2"	64
50	150	165	125	18	4	21	G2 1/2"	77
65	175	185	145	18	4	21	G3"	91
80	200	200	160	18	8	23		106
100	220	220	180	18	8	23		119
125	250	250	210	18	8	25		
150	300	285	240	22	8	25		
200	360	340	295	22	12	27		
250	400	405	355	26	12	29		
300	450	460	410	26	12	32		

DIFFERENT CONNECTION TYPES FOR COMPACT TYPE WITH LCD DISPLAY



LCD DISPLAY



- Low-Power Design LCD
- Multi-unit free switching, on-site display and analysis
- Flow Unit: L ,gallon, m3, kg, pound, ton etc..
- Time Unit: Hour and Minute

ORDERING CODE

HYDRAFLOW	X		X	X	X	X	X	X	X	X
SIZE	DN4-DN200									
Type	Flow sensor, pulse, three-wire, 12 VDC	A								
	Flow transmitter, 4~20 mA, 24 VDC	B								
	Local display, 3.6V battery	C								
	Local display, 4~20 mA, 24 VDC	D								
	Local display, HART, 24 VDC	E								
	Local display, RS485 MODBUS, 24 VDC	F								
Accuracy	±0.5% of reading		5							
	±0.2% of reading		2							
Flow	Standard			S						
	Extended			E						
Explosion Proof	Without				WT					
	With				W					
Body Material	SS304					4				
	SS316					6				
Temperature	-20 °C ~+80 °C						S			
	-20 °C ~+150 °C						H			
Structure	Compact							C		
	Remote							R		
Process Connection		DIN D10: PN10, D16: PN16, D25: PN25, D40: PN40							D	
		ANSI A15: 150#, A30: 300#, A60: 600#							A	
	Flange	JIS J10: 10K, J20: 20K, J30: 30K							J	
		Others							O	
		Male							M	
	Thread	Female							F	
		Tri clamp							C	
		Wafer							W	

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