

Liquid Turbine High Temp Flow Meter

For Liquid Gasoline/ Milk/ Methanol Alcohol



Anti - interference



Fast Response



High Precision



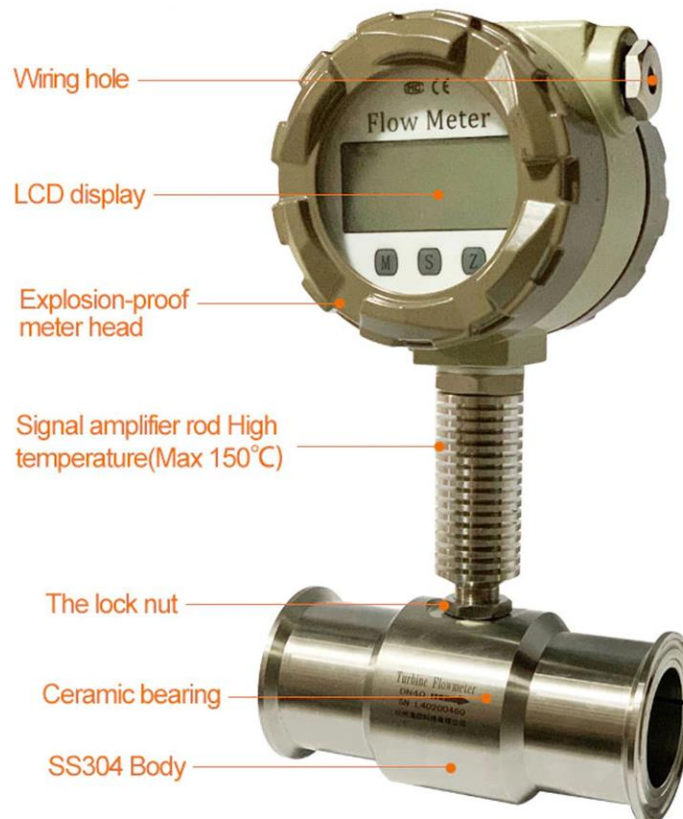
Wide Application



PRODUCT DISPLAY



Structures



PRODUCT DISPLAY



Structures

Meter Diameter(mm) Connection Mode	Threaded connections	DN4~DN50	Sensor : SS304 (SS316L) Impeller : 2Cr13
	Flange connections	DN15~DN200	Sensor : SS304 (SS316L) Impeller : 2Cr13
	Clamp connections	DN4~DN100	Sensor : SS304 (SS316L) Impeller : 2Cr13
Precision	DN4~DN10 : $\pm 1.0\%R$; DN15~DN100 : $\pm 0.5\%R$; DN125~DN200 : $\pm 1.0\%R$		
Ratio of Measuring Range	1:10		
Instrument Material	Sensor : SS304 (SS316L) ; Impeller: 2Cr13; Guide : SS304 ; Bearing : YS8 Alloy (special material can be customized)		
Conditions of use	Environment temperature : $-30^{\circ}C \sim 60^{\circ}C$ Medium temperature : $-100^{\circ}C \sim 100^{\circ}C / 120^{\circ}C / 150^{\circ}C$		
Pressure Level	Threaded connections : 2.5~6.3MPa (High pressure can be customized) Flange connections : 1.6~4.0MPa (High pressure can be customized) Clamp connections : 1.0MPa		
Power Supply	3.6V lithium battery (can be used continuously for 2 years) / 12~24VDC (Data remote transmission)		
Power Consumption	$\leq 1W$		
Signal Output	Pulse, 4~20mA, equivalent pulse		
Communication Output	RS485 communication (Modbus-RTU)		
Signal Interface	Internal thread M20*1.5 (NPT1/2, etc needs to be customized)		
Protection Level	IP65 (IP68 can be customized)		
Explosion-proof Level	ExdIICT6 Gb		
Display	LCD instantaneous flow, accumulative flow unit (m ³ /h;L/h;Kg/h;Kg/min;GPM) settable		

PRODUCT PARAMATER



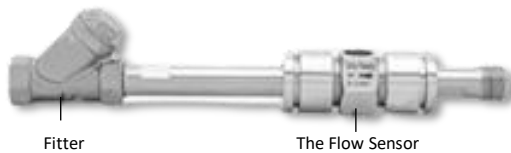
Flow Range

Diameter (mm)	Standard flow range (m ³ /h)	Extended flow range (m ³ /h)	Standard pressure rating (MPa)
DN4	0.04-0.25	0.04-0.4	6.3
DN6	0.1-0.6	0.06-0.6	6.3
DN10	0.2-1.2	0.15-1.5	6.3
DN15	0.6-6	0.4-8	6.3
DN20	0.8-8	0.45-9	6.3
DN25	1-10	0.5-10	6.3
DN32	1.5-15	0.8-15	6.3
DN40	2-20	1-20	6.3
DN50	4-40	2-40	2.5
DN65	7-70	4-70	1.6
DN80	10-100	5-100	1.6
DN100	20-200	10-200	1.6
DN125	25-250	13-250	1.6
DN150	30-300	15-300	1.6



The Flow Sensor Type

The Size, material, connection, high temperature and high pressure types of the flow sensor can be customized



Small Diameter Flow Sensor
DN4-DN10



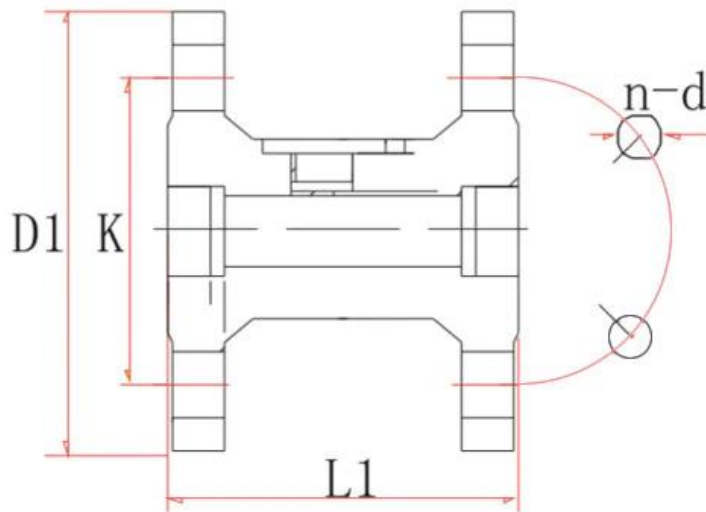
Male Thread Flow Sensor
DN15-DN50



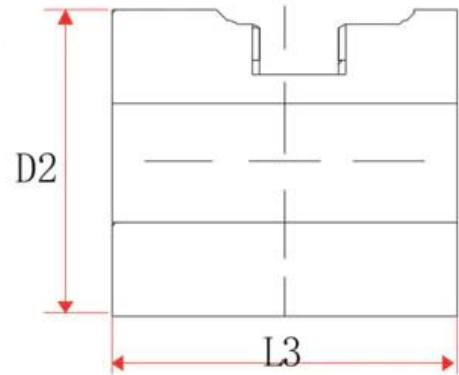
Sanitary Clamp Flow Sensor
DN4-DN100



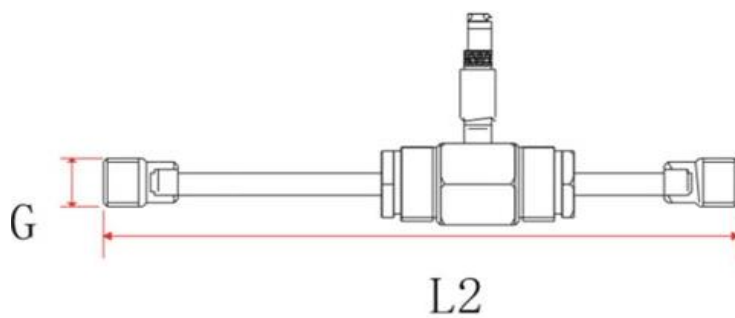
Flange Flow Sensor
DN4-DN200



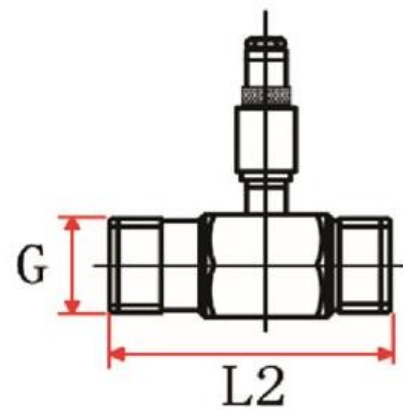
Flange Connection Type
DN15-DN200



Clamp Flange Connection Type
DN4-DN200



Threaded Connection Type
DN4-DN10



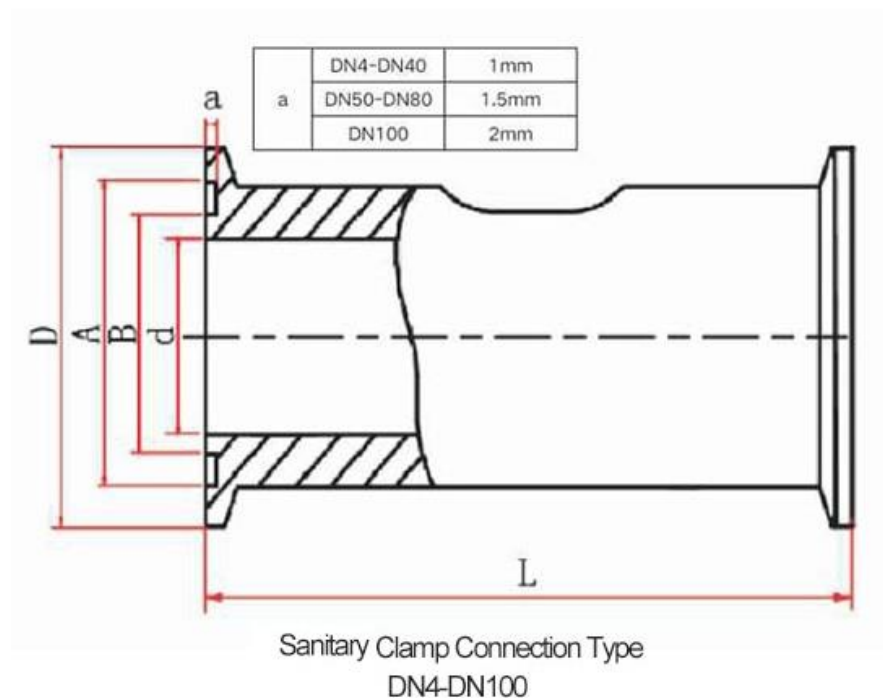
Threaded Connection Type
DN15-DN50

PRODUCT PARAMATER



Flow Size

	Flange connections					Threaded connections	
Diameter	L1	D1	K	d	n(Number of holes)	L2	G (External thread)
4						225	G1/2
6						225	G1/2
10						345	G1/2
15	75	95	65	14	4	75	G1
20	80	105	75	14	4	80	G1
25	100	115	85	14	4	100	G5/4
32	140	140	100	18	4	140	G3/2
40	140	150	110	18	4	140	G2
50	150	165	125	18	4	150	G5/2
65	170	185	145	18	4		
80	200	200	160	18	8		
100	220	220	180	18	8		
125	250	250	210	18	8		
150	300	285	240	22	8		
200	360	340	295	22	12		



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Flow Size

Diameter	D(mm)	A(mm)	B(mm)	d(mm)	L(mm)
DN4	50.5	46	40.5	4	100
DN6				6	
DN10				10	
DN15				15	
DN20				20	
DN25				25	
DN32				32	120
DN40	65	59	53.5	40	140
DN50	78	73.5	68	50	150
DN65	91	86	80.5	65	170
DN80	106	100.5	94	80	200
DN100	119	113	106	100	220