



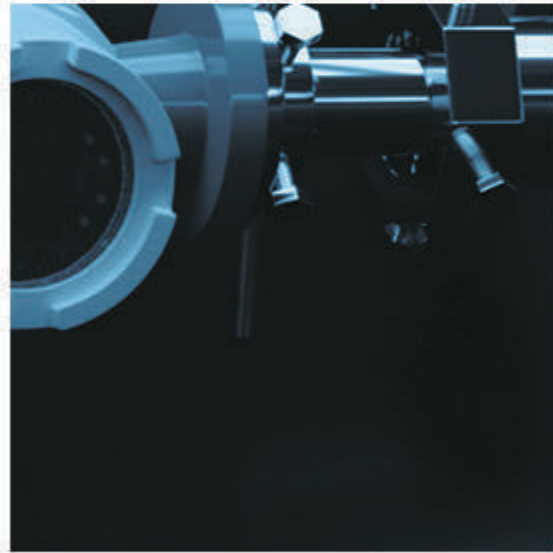
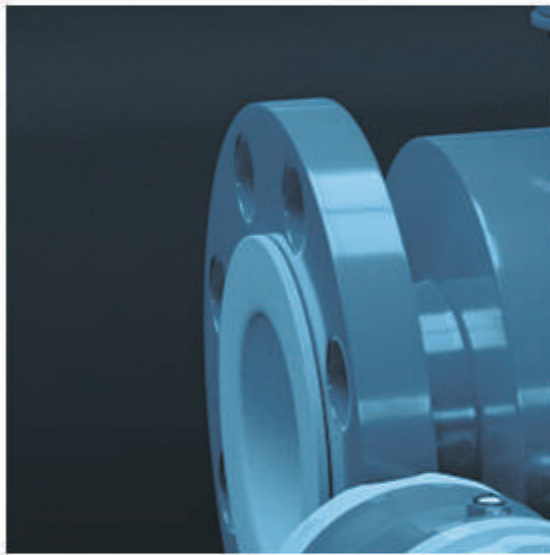
PRODUCT MANUAL

ELECTROMAGNETIC, VORTEX, ORIFICE



Henan **Datang Dingsheng**
Flaw Instrument Ca., Ltd.

DAFDS
大方鼎盛
DA FANG DING SHENG



WELCOME

Henan Dafang Dingsheng Flow Instrument Co.,Ltd. is specialized in manufacturing types of flowmeters, which includes electromagnetic flowmeters, vortex flowmeters, turbine flowmeters, throttling devices and liquid level gauge.

In this brochure, the company information, factory strength, and types of products will be presented in details.

Quality is our culture, your satisfaction is our goal!

ABOUT US



Henan Dafang Dingsheng Flow Instrument Co., Ltd is a professional company of automatic instrument production and supporting. The company integrates the R&D, design, production, manufacturing and sales services of industrial automatic instruments and related products.

The company covers an areas of more than 2000 square meters,with 100 employees,15 core technical personnel and 20 foreign trade sales elite teams.We have the national leading production equipment.Our main products include electromagnetic flow meter,vortex flow meter,throttling device,turbine flow meter,ultrasonic flow meter and various flow supporting products.Our products have complete specifications and various forms,and can meet customers special customized needs.

After years of development, the flow meter products produced by our company enjoy very high market reputation in China, and has been supplying domestic foreign trade enterprises for export for many years.

We started to set up our own international trade department in 2018 with complete product certificates and perfect sales team. Up to now, we have established long-term cooperative relations with many countries.



As one China gold supplier, the factory covers an area of more than 20000 m2, with 200 employees, 15 core technical personnel and 20 foreign trade sales elite teams.



Accept OEM,24 hours online sales team,after-sales team response within 48 hours,rapid delivery,delivery time guarantee,no limit for MOQ.



The company has a strict quality inspection department to control every detail of production, Provide customers with quality products.

99%

The company has exported to at least 30 countries. The annual output value can reach 20 million, 50 customers have visited the factory. The favorable rate can reach 99%.



The company has advanced CNC machining equipment and professional processes to ensure the quality and detail of the products. At the same time, we accept customization and can produce products according to customers' requirements.



Our professional engineer can guide you the Installation and commissioning work, quality warranty 12 months.



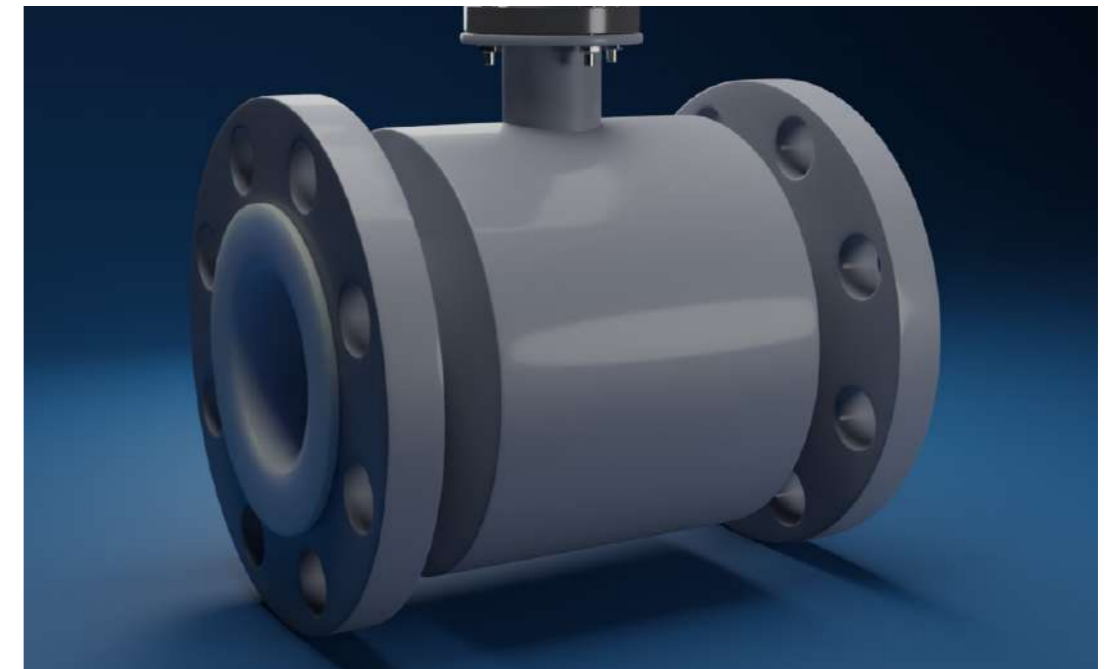
Electromagnetic flowmeter is a kind of high precision and high reliability flowmeter. It is used to measure the volume flow of conductive liquid and slurry in a closed pipe, and widely used in iron and steel, electric power, petroleum, chemical, coal, metallurgy, mineral, paper, water supply, food, medicine and other industries.





DFLD-YGD Electromagnetic Flowmeter

(Integrated Type)



DFLD-FGD Electromagnetic Flowmeter

(Remote Type)



Features:

- The accuracy will be unaffected by the change of fluid density, viscosity, temperature, pressure and conductivity.
- There are no parts which will impede flow in the measurement tube, no pressure loss, and the need of straight section is lower.
- The converter use display, it is easy to read the data in the straight sun and dark room.
- Setting parameters through infrared touch button, so we can set parameters safely without opening the cover of converter under harsh environment.
- The flowmeter has bidirectional measuring system and is installed with three integrators: forward total volume, reverse total volume and total difference; it can display forward flow and reverse flow volume in varied outputs: current, pulse, digital communication, HART;
- The converter has self-inspection and self-diagnosis function;
- The sensor of high pressure electromagnetic flow meter use PFA and net lining material, have the advantages of high pressure resistance, anti-negative pressure. It specially used in petrochemical, mineral, etc. Explosion-proof type flow meter can used in corresponding explosion-proof area.

Measuring principle:

The measuring principle of electromagnetic flowmeter is based on the electromagnetic induction law of Farady. That is: Conductive liquid moves in the magnetic field as a cutting magnetic line, an induced electromotive force is generated in the conductor.

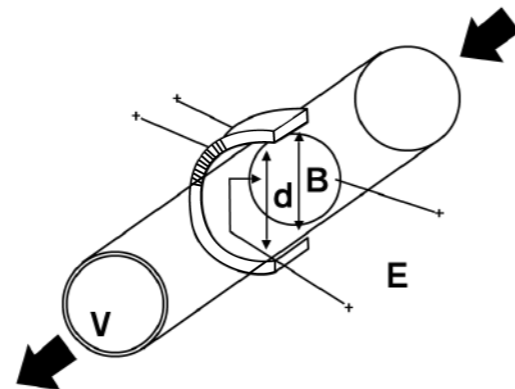
$$E=K*B*V*D$$

K: Instrument constant

B: Strength of magnetic induction

V: The average flow rate in the cross-section of measuring the tube

D: Inner diameter of measuring tube



When measuring flow, the fluid flows through a magnetic field that is perpendicular to the direction of flow. The flow of the conductive liquid induces a voltage signal that is proportional to the average flow rate. Its induced voltage signal is detected by two electrodes in direct contact with the liquid, and transmitted to the amplifier through the cable, then converted into a uniform current output signal.

Characteristics and scope of application:

The intelligent converter of Chinese and English display adopts 16-bit embedded microprocessor.

Full digital processing, with bidirectional flow measurement function, instantaneous flow, positive and reverse accumulations and difference calculations, used to measure volume flow in conducting media such as clear water, sewage, acid, alkali, salt solution or liquid-solid two-phase fluid.

Technical performance parameter:

Main Power	AC220V 50HZ / DC24V	
Power Consumption	<15W (And set with sensor supporting power consumption)	
Display And Push Buttons	English and Chinese display can display the instantaneous flow, total flow and percentage of flow as well as alarm display, four thin-film touch nubs, which is used to data set.	
Accumulator	Forward total quantity, reverse total quantity	
Output Signal	Analog output	Bi-direction with two ways, Isolation 0-10mA/4-20mA Load resistor: 0-10mA; 0-1.5KΩ; 4-20mA; 0-750Ω
	Frequency output	Forward & reverse flow output with frequency range set between 1-5000Hz.The external voltage must be lower than 35V and the max output and the max output current is 50mA when the transistor is turned on
	Alarm output	Two outputs from the collectors of photoelectric isolate transistors are for alarm signals. The external voltage must be lower than 35V and the max output current is 250mA when the transistor is turned on. Alarm status: Activates when the measured pipes are empty, the excitation circuits are broken or the volume of flow rate exceeds the value designed limits.
	Pulse output	For pulse output in forward and reverse flow measurement, upper frequency of pulse output can be up to 5000 CP/S relevant value of pulse is from 0.0001 to 1.0 M3/P. The width of pulse can be set to 20ms or squired wave from automatically. The collector of transistor with photoelectric is open circuited. The external voltage must be lower than 35 V and maximum output current is 250mA when the transistor is turned on.
Accuracy	±0.5% of the value displayed, ±0.3% or ±0.2% optional.	
Damping Time Constant	Continuous variable from 0-100 s (90%)can be selected by group	
Communication	RS232 ,RS485 or HART Communication are optional,with lightning resistance	
Power Failure	An anti-failure clock is designed in the flow meter which can save the power failure records for 16 times (10 years)	
Protection Grade	IP65	
Ex-proof Mark	Exd [ia]iaIIC T5	

Nominal Diameter	DN6~DN3000mm		
Nominal Pressure	0.6~4.0MPa		
Main Power	AC220V 50HZ / DC24V /3.6V		
Accuracy	±0.5%, ±0.3% or ±0.2% are optional		
Output Signal	Analog output, Frequency output, Alarm output, Pulse output		
Liner Material	Neoprene, Urethane Rubber, Polysilicone Rubber, PTFE, F46, PFA		
Electrode Type	General type, scraper type and replaceable type		
Electrode Material	SUS316, Hastelloy B, Hastelloy C, Titanium, Tantalum, Platinum-iridium alloy, Stainless steel covered with tungsten carbide		
Medium Temperature	Integrated type	-20°C~+70°C	
	Remote type	Neoprene & Polyurethane Liner	-20°C~+60°C
		PTFE Liner / PFA Liner /F46 Liner	-40°C~+180°C
Ambient Temperature	-25°C ~+ 60°C		
Ambient Humidity	5~100%RH(relative humidity)		
Medium Electrical Conductivity	≥20us/cm		
Measuring Range	1500:1,flow rate<15m/s		
Structure Type	Integral type, remote type, submersible type, ex-proof type		
Connection Type	Flange Type / Clamp Type		
Protection Grade	IP65, IP67, IP68(optional)		
Ex-proof Mark	Exmd IICT4		
Product Standard	JB/T 9248-1999 Electromagnetic Flowmeter		

Technical performance parameter:

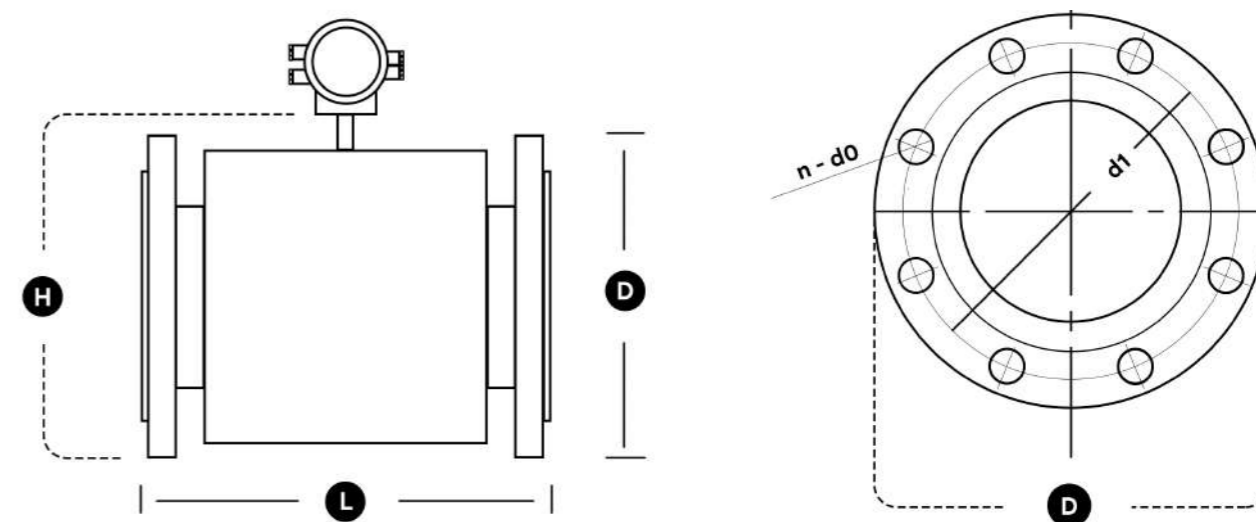
Lining Materials	Main Features	Scope Of Application
PTFE	1.One of the most stable chemical properties in plastics. It is resistant to boiling hydrochloric acid, sulfuric acid and aqua regia, but also resistant to concentrated acids and various organic solvents. 2.Poor abrasion resistance	Applicable in mediums of strong corrosive,such as,concentrated acid、alkali and so on. Temperature range: - 40℃ ~ + 170℃
F46	1. It's corrosion resistance same as PTFE. 2. low abrasion resistance. 3. with strong anti-negative pressure ability.	The features of strong corrosive resistance same as PTFE can used to measure mediums with low abrasion Temperature range: - 40℃ ~ + 160℃
Polyurethane	1. Excellent abrasion resistance (Ten times equivalent to natural rubber). 2.Poor in acid resistance and alkali resistance. 3.Cannot be used with water mixed with organic solvents.	Those neutral medium with strong abrasion, like Slurry、 coal slurry、 mud, etc. Temperature range: - 20℃ ~ + 60℃
Polysilicone Rubber	1. Excellent elasticity, high tearing force, high pressure resistance. 2. Can't resistant the corrosion of all acid, alkali,salt medium.	Water Temperature range: - 20℃ ~ + 180℃
PFA	It's corrosion resistance same as PTFE, with strong anti-negative pressure ability.	It can used under negative pressure state Temperature range: - 40℃ ~ + 160℃
Neoprene	1. Excellent elasticity, high tearing force, good abrasion resistance. 2. Resistant to the general low concentrated acid, alkali,salt medium corrosion, can't resistant thecorrosion of oxidizing media.	Water, sewage, weakly abrasive mud, pulp Temperature range: - 20℃ ~ + 60℃

Corrosion resistance of electrode materials:

Electrode Material	Corrosion Resistance
SUS316	For industrial water, domestic water, sewage, corrosive media, widely used in petroleum, chemical, steel, etc industrial sector and municipal, environmental protection field.
Hastelloy B(HB)	Hydrochloric acid of all concentrations below the boiling point has good corrosion resistance, and also resistance the corrosion of sulfuric acid, phosphoric acid, hydrofluoric acid, organic acids and other non-oxidizing acid, alkali, non-oxidizing salt solution.

Hastelloy C(HC)	Can resistance the corrosion of oxidative acid, such as nitric acid, mixed acid or chromic acid and sulfuric acid mixed medium, but also resistant to oxidizing salts such as Fe ⁺⁺⁺ , Cu ⁺⁺ or other oxidants such as hypochlorite solution above sea level, sea water corrosion
Titanium (Ti)	It can resistance the corrosion of seawater, various chlorides and hypochlorites, oxidative acids (including fuming sulfuric acid), organic acids, alkalis, etc, and is cannot resistance the corrosion of pure reducing acids (such as sulfuric acid and hydrochloric acid). However, if the acid contains oxidants (such as nitric acid, Fe ⁺⁺⁺ , Cu ⁺⁺), the corrosion is greatly reduced.
Tantalum (Ta)	Has excellent corrosion resistance, and similar with glass, in addition to hydrofluoric acid, fuming nitric acid, alkali, it can resistance the corrosion of almost all chemical media (including hydrochloric acid, nitric acid and sulfuric acid under 150°C and aqua regia).
Platinum-iridium	Almost applies to all chemicals, but not aqua regia and ammonium salts.
Stainless Steel Covered With Tungsten Carbide	Applicable in mediums of no corrosive and high abrasion.

Shape and installation dimensions:



DN15~DN150, 1.6 & 4.0MPa Sensor and integrated outline drawing

Shape and installation dimensions:

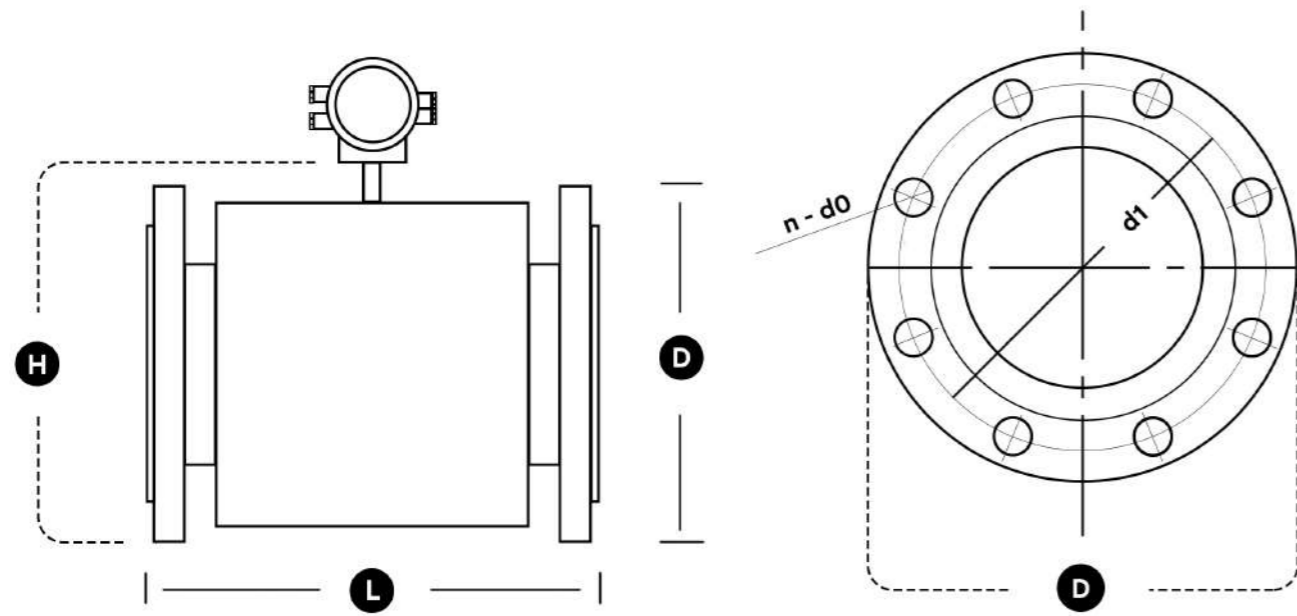
Nominal Diameter (mm)	Nominal Pressure (MPa)	Outer Diameter			Weight(kg)
		Length of Folwmeter (including lining)	D	H	
6	4.0	200	90	220	6
10		200	90	220	6
15		200	95	220	8
20		200	105	220	10
25		200	115	223	12
32		200	140	240	13
40		200	150	250	14
50		200	165	263	15
65	1.6	250	185	283	18
80		250	200	290	20
100		250	235	318	25
125		250	270	350	28
150		300	300	380	30
200		350	340	430	50
250		450	405	495	70
300		1.0	500	460	547
350	550		520	602	120
400	600		580	665	140
450	600		640	720	160
500	600		715	783	200
600	600		840	897	280

Dimensions and weight

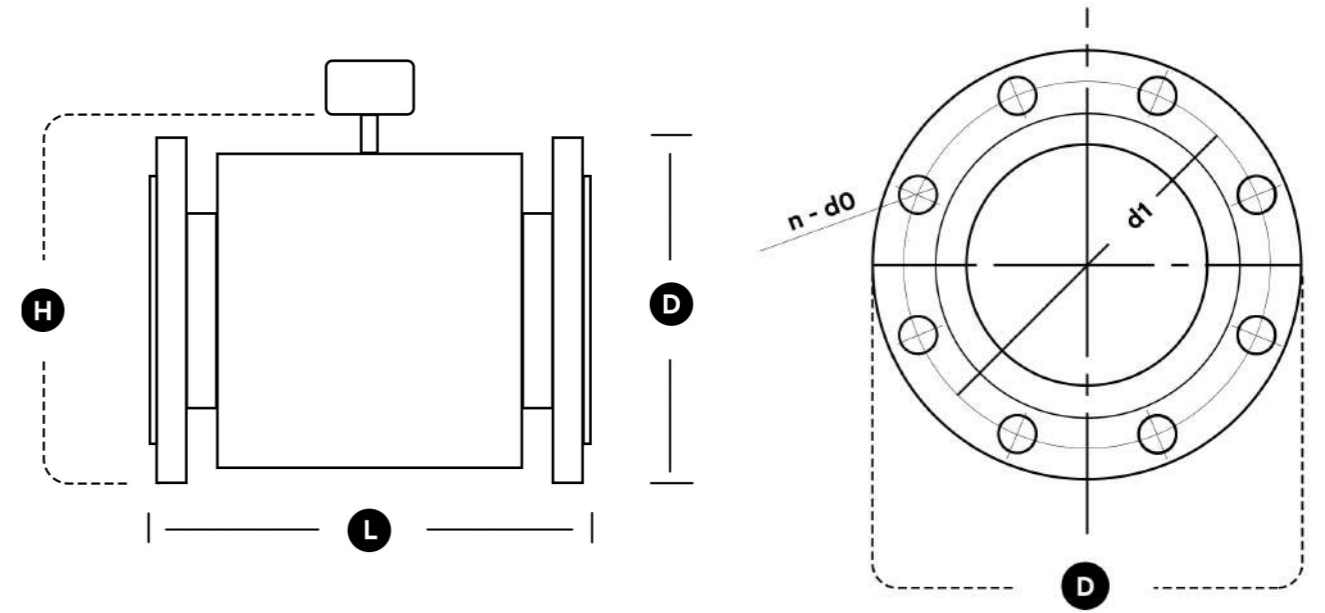
DN	L	W	H	Reference Weight (kg)	
				Integrate type	Sensor
15	200	140	147	10	7
20	200	140	154	12	9
25	200	140	156	14	11
32	200	168	166	15	12
40	200	176	172	16	13
50	200	176	191	17	14
65	250	214	200	25	22
80	250	214	218	29	26
100	250	230	242	31	28
125	250	281	277	36	33
150	300	281	302	41	38

Flange size (GB / T9119)

DN	Pressure 1.6 MPa					Pressure 4.0MPa				
	D	d ₁	d ₀	n	b	D	d ₁	d ₀	n	b
15	95	65	14	4	16	95	65	14	4	16
20	105	75	14	4	18	105	75	14	4	18
25	115	85	14	4	18	115	85	14	4	18
32	140	100	18	4	18	140	100	18	4	18
40	150	110	18	4	20	150	110	18	4	20
50	165	125	18	4	20	165	125	18	4	20
65	185	145	18	4	20	185	145	18	4	22
80	200	160	18	8	22	200	160	18	8	22
100	220	180	18	8	22	235	190	22	8	26
125	250	210	18	8	22	270	220	26	8	26
150	285	240	22	8	24	300	250	26	8	28



DN200~DN600, 1.0 & 1.6 MPa Sensor and integrated outline drawing



DN700~DN3000, 0.6 & 1.0 MPa Sensor outline drawing

Note: 1. DN700~DN3000 without integrated type.
2. DN700 ~ DN1600 separated explosion-proof sensor has the same appearance as conventional instruments.

Dimensions and weight

DN	L	H φ ~	Weight (kg)
200	350	362	45
250	450	412	50
300	500	472	60
350	500	522	145
400	500	572	180
450	550	626	215
500	550	676	245
600	600	776	335

Flange size (GB / T9119)

DN	Pressure 1.0 MPa					Pressure 1.6 MPa				
	D	d ₁	d ₀	n	b	D	d ₁	d ₀	n	b
200	340	295	22	12	26	340	295	22	8	24
250	450	355	26	12	28	395	350	22	12	26
300	460	410	26	12	32	445	400	22	12	28
250	520	470	26	16	35	505	460	22	16	30
400	580	525	30	16	38	565	515	26	16	32
450	640	585	30	20	42	615	565	26	20	35
500	715	650	33	20	46	670	620	26	20	38
600	840	770	36	20	52	780	725	30	20	42

Dimensions and weight

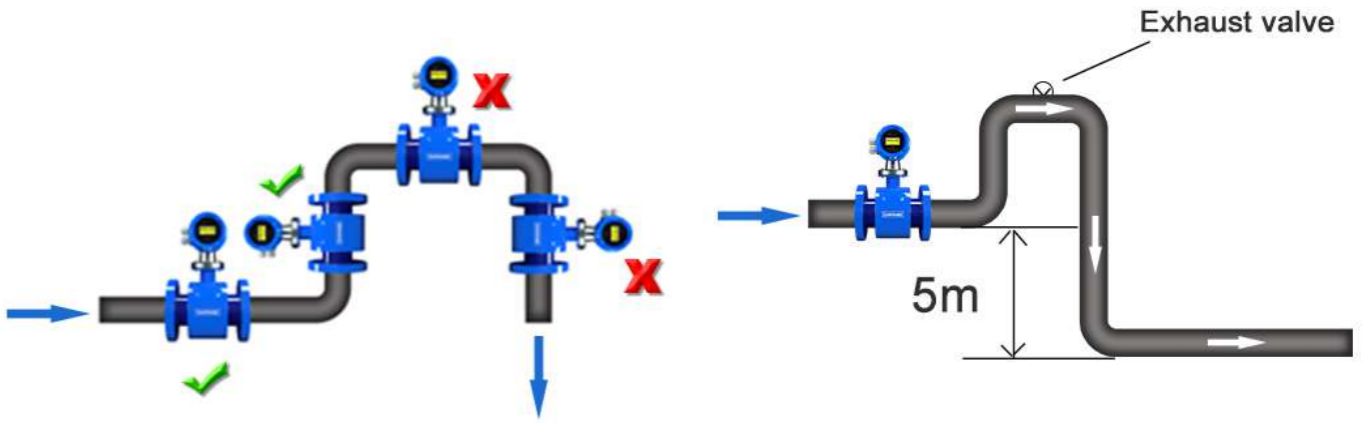
DN	L	H φ ~	Weight (kg)
700	700	866	435
800	800	966	545
900	900	1076	655
1000	1000	1200	810
1200	1200	1406	875
1400	1400	1632	1235
1600	1600	1832	1555
1800	1800	2036	2085
2000	2000	2236	2610
2400	2400	2436	3210
2600	2600	2636	3910
2800	2800	2836	4280
3000	3000	3036	5000
3000	3000	3236	5600

Flange size (GB / T9119)

DN	Pressure (MPa)	D	d ₁	d ₀	n	b
700	1.0	895	840	3	24	30
800		1015	950	33	24	32
900		1115	1050	33	28	34
1000		1230	1160	36	28	34
700	0.6	860	810	26	24	26
800		975	920	30	24	26
900		1075	1020	30	24	26
1000		1175	1120	30	28	26
1200		1405	1340	33	32	28
1400		1630	1560	36	36	32
1600		1830	1760	36	40	34
1800		2045	1970	39	44	36
2000		2265	2180	42	48	38
2200		2475	2390	42	52	42
2400		2685	2600	42	56	44
2600		2905	2810	48	60	46
2800		3115	3020	48	64	48
3000		3315	3220	48	68	50

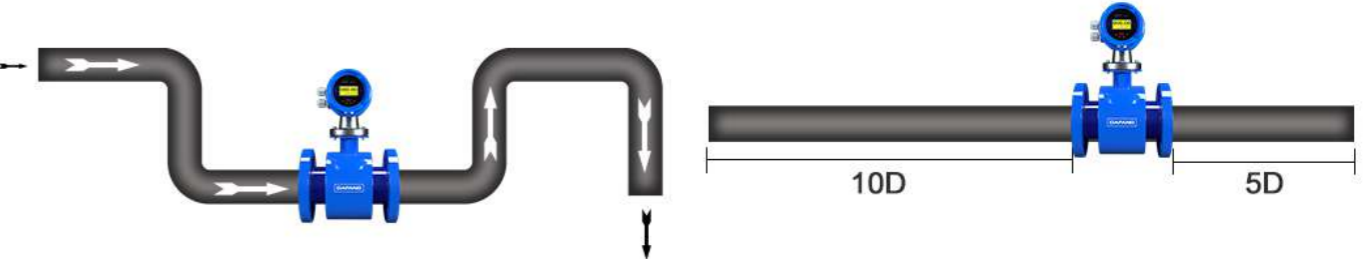
Flow-Velocity Table							
Flow Rate m/s Flow m ³ /h DN mm	0.01 (Minimum)	1	2	3	4	5	15 (Maximum)
10	0.0085	0.2826	0.5652	0.8478	1.1304	1.4130	4.2390
15	0.0064	0.6362	1.2723	1.9085	2.5447	3.1809	9.5426
20	0.0113	1.1310	2.2619	3.3929	4.5239	5.6549	16.9646
25	0.0177	1.7671	3.5343	5.3014	7.0686	8.8357	26.5072
40	0.0452	4.5239	9.0478	13.5717	18.0956	22.6195	67.8584
50	0.0707	7.0686	14.1372	21.2058	28.2743	35.3429	106.0288
65	0.1195	11.9459	23.8918	35.8377	47.7836	59.7295	179.1886
80	0.1810	18.0956	36.1911	54.2867	72.3823	90.4779	271.4336
100	0.2827	28.2743	56.5487	84.8230	113.0973	141.3717	424.1150
150	0.6362	63.6173	127.2345	190.8518	254.4690	318.0863	954.2588
200	1.1310	113.0973	226.1947	339.2920	452.3893	565.4867	1696.4600
250	1.7671	176.7146	363.4292	530.1438	706.8583	883.5729	2650.7188
300	2.5447	254.4690	508.9380	763.4070	1017.8760	1272.3450	3817.0351
350	3.4636	346.3606	692.7212	1039.0818	1385.4424	1731.8030	5195.4089
400	4.5239	452.3893	904.7787	1357.1680	1809.5574	2261.9467	6785.8401
450	5.7256	572.5553	1145.1105	1717.6658	2290.2210	2862.7763	8588.3289
500	7.0686	706.8583	1413.7167	2120.5750	2827.4334	3534.2917	10602.8752
600	10.1788	1017.8760	2035.7520	3053.6281	4071.5041	508.3801	15268.1403
700	13.8544	1385.4424	2770.8847	4156.3271	5541.7694	6927.2118	20781.6354
800	18.0956	1809.5574	3619.1147	5428.6721	7238.2295	9047.7868	27143.3605
900	22.9022	2290.2210	4580.4421	6870.6631	9160.8842	11451.1052	34353.3157
1000	28.2743	2827.4334	5654.8668	8482.3002	11309.7336	14137.1669	42411.5008
1200	40.7150	4071.5041	8143.0082	12214.5122	16286.0163	20357.5204	61072.5612
1400	55.4177	5541.7694	11083.5389	16625.3083	22167.0778	27708.8472	83126.5416
1600	72.3823	7238.2295	14476.4589	21714.6884	28952.9179	36191.1474	108573.4421
1800	91.6088	9160.8842	18321.7684	27482.6525	36643.5367	45804.4209	137413.2627
2000	113.0973	11309.7336	22619.4671	33929.2007	45238.9342	56548.6678	169646.0033
2200	136.8478	13684.7776	27369.5552	41054.3328	54739.1104	68423.8880	205217.6640
2400	162.8602	16286.0163	32572.0326	48858.0490	65144.0653	81430.0816	244290.2448
2600	191.1343	19113.4268	38226.8536	57340.2804	76453.7072	95567.1340	286701.4020

+ INSTALLATION +



The flow meter should be installed at a lower level and vertically upwards of the horizontal pipe. Avoid installation at the highest and vertically downwards point of the pipe .

If the pipe drop exceeds 5m, install an exhaust valve downstream of the sensor.



Installed at the lowest point when used in open drain pipe

Need 10D of upstreat and 5D of downstreat



The sensor must not be installed at the inlet and outlet of the pump and should be installed at the outlet of the pump.

The flow meter should be installed on the rise of the pipe.

DFLD-YWS / DFLD-FWS

Sanitary Electromagnetic Flowmeter



Sanitary / Hygienic electromagnetic flowmeter description:

The hygienic electromagnetic flowmeter is an induction instrument to measure the volume flow of conductive medium in the tube with the shell of **304 stainless steel**.

The electromagnetic flowmeter is not easy to be polluted during use, and can effectively prevent the accumulation of measurement fluid residues in the measuring tube, and can be widely used in mineral water, soy sauce, jam, beer, fruit juice, rice wine, milk and other food production and manufacturing process.

Advantages of sanitary electromagnetic flowmeter:

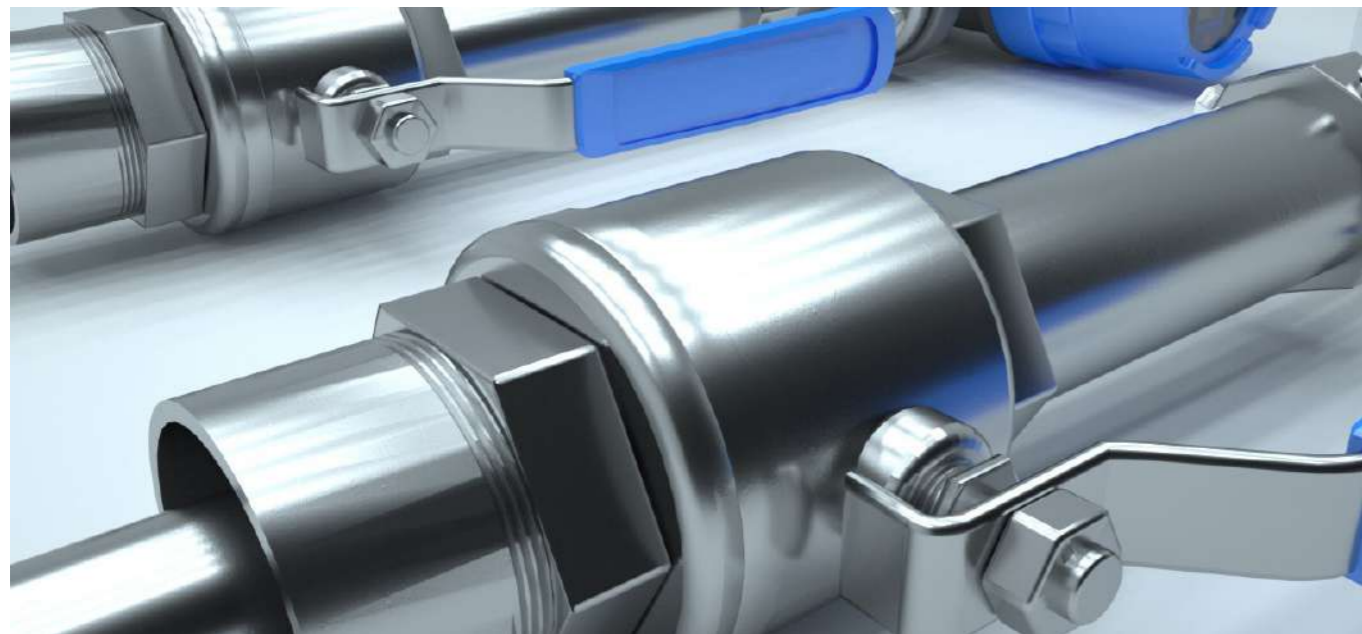
- Using a quick connection solution, Easy to install, disassemble, clean and maintain;
- Unobstructed flow components inside the pipe, can prevent the accumulation of measured fluid residues effectively.
- Not affected by the temperature, viscosity, density, and conductivity of the medium in a certain range;
- Wide range; No mechanical inertia reaction, responsive;
- It can meet the demand of different caliber in different fields.



Nominal Diameter	DN10 ~ DN200mm
Nominal Pressure	0.6 ~ 1.6MPa
Accuracy	Indication $\pm 0.5\%$, $\pm 0.3\%$ or $\pm 0.2\%$ of the optional indication
Medium Temperature	Integrated type (DFLD-YWS): $-10^{\circ}\text{C} \sim +80^{\circ}\text{C}$
	Split type (DFLD-FWS): $-10^{\circ}\text{C} \sim +160^{\circ}\text{C}$
Electrode Material	SUS316, Hastelloy B(HB), Hastelloy C(HC), Titanium alloy(Ti), Tantalum alloy(Ta), Platinum-iridium
Protection Grade	IP65, IP68 can be choose

DFLD-YGD / DFLD - FGD

Insertion Electromagnetic Flowmeter



Insertion electromagnetic flowmeter description:

Insertion electromagnetic flow meter is a new type of flow meter developed on the basis of pipeline electromagnetic flow meter. The whole body is made of stainless steel. According to the NIKURADS principle, it makes the pipe installation easier and reduces the cost consumption.

It can be installed on cast iron pipe and cement pipe *without stopping water*.

Advantages of Insertion electromagnetic flowmeter:

- The installation is simple, can be opened with the pressure, has the absolute installation advantage and the price advantage.
- It is suitable for the detection of liquid flow with conductivity above 20cm. The change of conductivity does not affect the change of performance.
- The movable parts of the flowmeter are easy to install, the converter and sensor are interchangeable, freely changing the measuring range.
- The flow detection is only related to the depth of insertion. It is very versatile and can be connected with any standard secondary instrument.
- 4~20mA output, Pulse output, RS485, HART, MODBUS.

Neoprene

or

PTFE



Nominal Diameter	DN200mm~DN3000mm
Accuracy	0.5~10m/s: 1.5% FS; 0.1~0.5m/s: 2.0% FS 0.1~10m/s: 2.5% FS (FS refer to 40%-100% full scale flow)
Flow Range	0.1~10m/s
Pressure Resistance	1.6Mpa
Protection Grade	IP65 (DFLD-YGD) IP68 (DFLD-FGD)
Electrode Material	SUS316, Hastelloy B(HB), Hastelloy C(HC), Titanium alloy(Ti), Tantalum alloy(Ta), Platinum-iridium

Vortex Flowmeter

Vortex flowmeter is a new type of flowmeter with advanced international level based on Carmen vortex principle. It is suitable for measuring superheated steam, saturated steam, general gas and liquid.

Features

- Simple structure, no moving parts wear;
- High accuracy and good reliability, don't need on-site debugging;
- Can be long-distance transmission of flow signals, and computer networking, centralized management;
- Unique design of the amplification board, gas or liquid can be used.



Technical Parameters:

Measured Medium	Gas, Steam
Medium Temp.	-20~+320℃
Nominal Pressure	1.6MPa;2.5MPa;4.0MPa;(Other pressure can be Customized)
Accuracy	±1.0%,±1.5%
Measuring Range Ratio	1:8-1:30(Standard air condition as reference)
	1:8-1:40(Normal Temperature as reference)
Flow Range	Gas:4.0-60.0m/s; Steam:5.0-70.0m/s
Diameter(mm)	DN15~DN1000
Material	Stainless steel 304
Resistance Coefficient	$Cd \leq 2.4$
Explosion-proof Grade	Ia II CT6
Power Supply	12-24V/DC or 3.6V battery powered
Signal Output	Pulse frequency signal 2-3000Hz, Low level $\leq 1V$, high level $\geq 6V$
	Two-wire system 4-20 signal(isolated output), Load ≤ 500

Flow-Velocity Table:

Instrument Caliber (mm)	Liquid		Gas	
	Measuring Range(m ³ /h)	Output Frequency Range(Hz)	Measuring Range(m ³ /h)	Output Frequency Range(Hz)
20	1 ~ 10	40 ~ 396	5.5 ~ 50	218 ~ 1982
25	1.6 ~ 16	32 ~ 325	8.5 ~ 70	172 ~ 1420
40	2.5 ~ 25	13 ~ 130	22 ~ 220	115 ~ 1147
50	3.5 ~ 35	9 ~ 93	36 ~ 320	96 ~ 854
65	6.5 ~ 68	8 ~ 82	50 ~ 480	61 ~ 583
80	10 ~ 100	6 ~ 65	70 ~ 640	45 ~ 417
100	15 ~ 150	5 ~ 50	130 ~ 1100	43 ~ 367
125	27 ~ 275	5 ~ 47	200 ~ 1700	33 ~ 290
150	40 ~ 400	4 ~ 40	280 ~ 2240	27 ~ 221
200	80 ~ 800	3 ~ 33	580 ~ 4960	24 ~ 207
250	120 ~ 1200	3 ~ 26	970 ~ 8000	20 ~ 171
300	180 ~ 1800	2 ~ 22	1380 ~ 11000	17 ~ 136
(400)	180 ~ 3000	5.6 ~ 87	2750 ~ 27000	85 ~ 880
(500)	300 ~ 4500	5.6 ~ 88	4300 ~ 43000	85 ~ 880
(600)	450 ~ 6500	5.7 ~ 89	6100 ~ 61000	85 ~ 880
(800)	750 ~ 10000	5.7 ~ 88	11000 ~ 110000	85 ~ 880
(1000)	1200 ~ 1700	5.8 ~ 88	17000 ~ 170000	85 ~ 880

Orifice Plate Flowmeter

Orifice plate flowmeter is the simplest and most adaptable product in the throttling device. Its design, manufacture and use are in accordance with the international standard ISO5167 or the national standard GB/T2624.

Features

- Simple and firm structure, convenient installation, reliable operation.
- Can measure all kinds of flow of gas ,steam and liquid,wide application.
- Don't need real flow calibration ,with moderate precision.
- Stable performance, easy to adjust, basically do not need to adjust the zero point during use.

Technical Parameters

Diameter(mm)	DN50~1000
Pressure Extraction Method	Angle Pressure(Ring chamber or drilling separately); Flange Pressure; Radial pressure.
Nominal Pressure	≤40Mpa,(when ≥20Mpa ,it can use high pressure lens orifice plate or welding type)
Accuracy	±0.5% ~ ±1.5%





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