

## WFD Electromagnetic Flow Meter



### ■ DESCRIPTION

WFD Series is a flange type electromagnetic flowmeter ideal for conductive liquids. It comes in sizes from 6mm to 2000mm. WFD electromagnetic flowmeter is widely used for tap-water, waste water, food, beverage pulp, paper and many other industrial fluid.

WFD Series electromagnetic flowmeter could be used in integrated or remote type with converter of electromagnetic flowmeter.

### ■ TECHNICAL DATA

Application:conductive liquid

Pipe Size:DN6-DN2000

Electrodes Materials:316L,Hastelloy C,Titanium,Tantalum

Measuring Range:0.1-10m/s(extendable to 15m/s)

LCD Display

Output Signal:4-20mA,pluse,RS485 Modbus,HART Interface

Power Supply:110-240V AC,24V DC,battery

Installation Type:flange,thread,tri-clamp,insertion

### ■ APPLICATION

Drinking water supply, water supply, reservoir and pumping station, etc.

Chemical acid, lye, conductive solution, cooling fluid, additives, etc.

Beer, wine, alcohol, milk, fruit juice, syrup, etc.

Refrigeration / air conditioning and refrigeration thermal measurement, or heat energy.

Sewage, industrial sewage discharge, etc.

Control of metal industrial pump, cooling water and the flow of water.

The textile industry of water, pigments, chemicals, bleaching chemicals, etc.

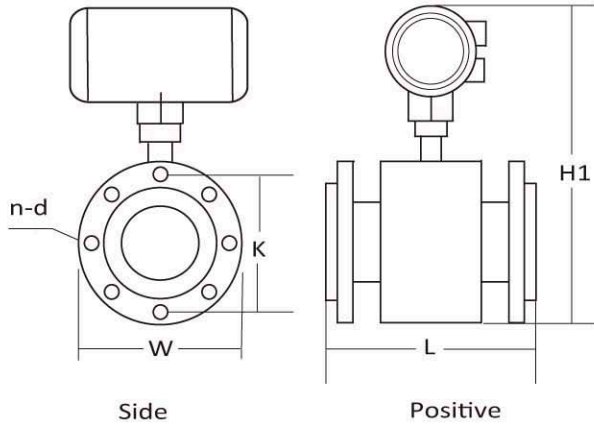
## Electromagnetic Flow Meter

### ■ FLOW RATE

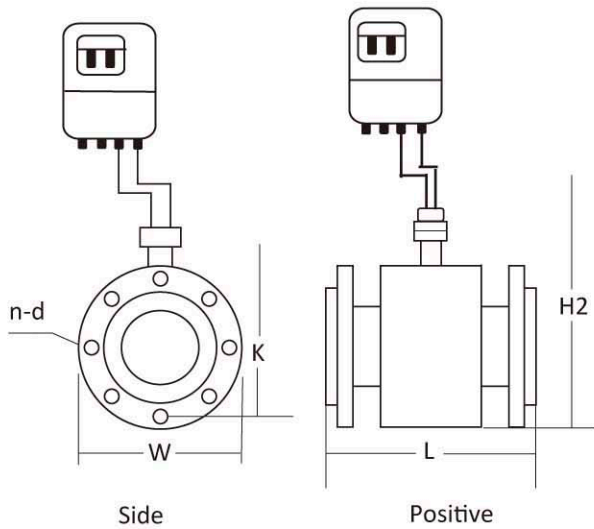
Diameter(mm)	Inch	Min Flow m <sup>3</sup> /h	Normal Flow Rate m <sup>3</sup> /h		Max flow m <sup>3</sup> /h
15	1/2"	0.06	0.19	3.18	6.36
20	3/4"	0.11	0.33	5.65	11.31
25	1"	0.17	0.53	8.83	17.67
32	1-1/4"	0.28	0.86	14.47	28.94
40	1-1/2"	0.45	1.35	22.61	45.23
50	2"	0.71	2.12	35.35	70.68
65	2-1/2"	1.19	3.58	59.72	119.45
80	3"	1.81	5.42	90.47	180.95
100	4"	2.82	8.48	141.37	282.74
125	5"	4.41	13.25	220.85	441.71
150	6"	6.36	19.08	318.08	636.17
200	8"	11.31	33.92	565.48	1130.97
250	10"	17.67	53.01	883.57	1767.14
300	12"	25.44	76.34	1272.34	2544.69
350	14"	34.63	103.91	1731.8	3463.6
400	16"	45.23	135.71	2261.94	4523.89
450	18"	57.25	171.76	2862.77	5725.55
500	20"	70.68	212.05	3534.29	7068.58
600	24"	101.78	305.36	5089.38	10178.76
700	28"	138.54	415.63	6927.21	13854.42
800	32"	180.95	542.86	9047.78	18095.57

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## ■ DIMENSIONS



Integrated Type



Remote Type

Nominal Diameter (DN)	L	H1/H2 (Reference)	W	K	n-d	Kg (Reference)
15	200	275/240	95	65	14-4	9
20	200	285/250	105	75	14-4	9.5
25	200	295/260	115	85	14-4	10
32	200	315/280	135	100	18-4	11
40	200	325/290	145	110	18-4	12
50	200	340/305	160	125	18-4	14
65	250	360/325	180	145	18-4	15
80	250	375/340	195	160	18-8	16
100	250	395/360	215	180	18-8	19
125	250	425/390	245	210	18-8	23
150	300	460/425	280	240	23-8	27
200	350	515/480	335	295	23-12	45
250	450	585/550	405	355	25-12	67
300	500	640/605	460	410	25-12	77
350	550	680/645	500	460	23-16	92
400	600	745/710	565	515	25-16	104
450	600	795/760	615	565	25-20	120
500	600	850/815	670	620	25-20	135
600	600	960/925	780	725	30-20	150
700	700	1075/1040	895	840	30-24	220
800	800	1190/1150	1010	950	34-24	280
900	900	1290/1255	1110	1050	34-28	310
1000	1000	1400/1365	1220	1160	34-28	360
1200	1200	1585/1550	1405	1340	33-32	550
1400	1400	1810/1775	1630	1560	36-36	700
1600	1600	2010/1975	1830	1760	36-40	850
1800	1800	2225/2190	2045	1970	39-44	1000

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## MODEL SELECTION

Item	Code							Specification
WFD								Electromagnetic Flow Meter
Diameter	XX							Standard for Diameter 0006:DN6;0015: DN15 0100:DN100;2200:DN2200
Structure		S						Integrated Type with LCD Display
		L						Remote Type with 10 Meter Cable
Electrode Material			M					SS316
			T					Titanium
			D					Tantalum
			H					Hastelloy C
			P					Platinum-Iridium
Signal Output				0				No Output
				1				4-20mA/Pulse
Liner Material				X				Rubber
				P				Polyurethane Lining
				F				PTFE
				A				PFA
Power Supply					0			110-240VAC
					1			24VDC
					2			Battery
Communication						0		NO Communication
						1		RS485 Modbus
						2		Hart
						3		GPRS
Connection							DXX	D16 DIN PN16 Flange, D25 DIN PN25 Flange.....
							AXX	A15 ANSI150#Flange A30 ANSI300#Flange.....
							JXX	J10 JIS 10K Flange J20 JIS 20K Flange.....
							XXX	Customized
Body Material							CS	Carbon Steel
							S4	Stainless Steel 304
							SB	Stainless Steel 316