



Flanged Turbine Meters

ANSI Flanges... 150lb/300lb Class... 2" to 12"
Mechanical Totalizing Water Meters

2009 Price List & Product Guide

Accurate, economical & dependable flow measurement solutions for a variety of industrial applications...



WP/D Cold



WP/D Hot



WP-QF/HP Cold



WP-QF/HP Hot

Industries

Power Generation
Concrete & Asphalt
Process Water
Waste Water
Pharmaceutical
Pulp & Paper
Chemical
Public Utilities
Agriculture

Applications

Flow Measurement
Water Batching
Blending
Flow Control
Bulk Transfer
Utility Auditing

Accessories

Reed Style Pulsers

Opto Style Pulsers

FM1-D/K Frequency
to Analog Converter

WP/Dynamic Series

Bulk liquid meter for measurement of high, relatively constant flows of both cold and hot water; ANSI 150lb Flanged Connections

WP/Dynamic BMF Series

Originally designed for measurement of brine solutions, the BMF series is ideal for measuring caustics sodas to 20%, Saline water to 10%, Glycol-water solutions to 30% & other Caustic solutions with pH values up to 9; ANSI 150lb Flanged Connections

WP-QF High Pressure Series

ANSI 300 lb RF Flanged Connections for Hi-Pressure Applications

- **Measurement accuracy of +/- 2% on flows ranging from 2.0 GPM to 8,800 GPM**
- **Available in sizes ranging from 2" to 12" for both cold and hot water applications**
- **Meinecke Turbine Water Meters can be installed vertically, horizontally or inclined with straight, unobstructed pipe runs of as little as three (3) Pipe Diameters**

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Price List

✓ = Stock Item / IMU = Internal Measure Unit

WP/Dynamic Series

ANSI 150 lb / PN-16 DIN

Cold Water Meters - To 122° F

Hot Water Meters - To 266° F

Size	Meter M/N	Price
1-1/2"	82 85 93	1083.00
2"	✓ 82 85 95	1115.00
3"	✓ 82 86 01	1154.00
4"	✓ 82 86 03	1670.00
6"	✓ 82 86 07	2426.00
8"	✓ 82 87 17	3088.00
10"	✓ 82 87 19	3495.00
12"	✓ 82 87 43	4469.00

IMU P/N	Price
✓ 82 85 77	812.00
✓ 82 86 39	836.00
✓ 82 85 78	866.00
✓ 82 86 43	1,253.00
82 85 79	1,820.00
82 87 21	2,316.00
82 87 23	2,624.00
82 87 51	3,352.00

Size	Meter M/N	Price
1-1/2"	✓ 82 85 94	1227.00
2"	✓ 82 85 96	1264.00
3"	✓ 82 86 02	1536.00
4"	82 86 04	1860.00
6"	82 86 08	2924.00
8"	82 87 18	3440.00
10"	82 87 20	4984.00
12"	82 87 44	5734.00

IMU P/N	Price
82 85 81	920.00
82 86 40	948.00
82 85 82	1152.00
82 86 44	1395.00
82 85 83	2193.00
82 87 22	2580.00
82 87 24	3738.00
82 87 52	4300.00

Desalinated/Demineralized Water, Brine Solutions

WP/Dynamic BMF Series

Light Caustics, Glycol-Water to 10% & more...

ANSI 150 lb / PN-16 DIN

Cold Water Meters - To 122° F

Hot Water Meters - To 266° F

Size	Meter M/N	Price
2"	82 89 80	1,636.00
3"	82 89 82	1,710.00
4"	82 89 83	1,788.00
6"	82 89 85	3,168.00
8"	82 89 86	3,782.00

IMU P/N	Price
82 89 94	1,227.00
82 89 96	1,283.00
82 89 97	1,341.00
82 89 99	2,376.00
82 90 00	2,837.00

Size	Meter M/N	Price
2"	82 89 87	2,324.00
3"	82 89 89	2,608.00
4"	82 89 90	2,785.00
6"	82 89 92	4,116.00
8"	82 89 93	4,730.00

IMU P/N	Price
82 90 01	1,743.00
82 90 03	1,956.00
82 90 04	2,089.00
82 90 06	3,087.00
82 90 07	3,548.00

Cold Water Meters - To 122° F

WPD Communication Accessories

Hot Water Meters - To 266° F

Type	Model	Pulse/Rev
REED	RD 01	1 or 10
OPTO	OD 01	1000
OPTO	OD 03	100

P/N	Price
✓ 11 78 01	237.00
✓ 11 78 06	309.00
✓ 11 78 09	339.00

Type	Model	Pulse/Rev
REED	RD 02	4 or 10
OPTO	OD 02	1000
OPTO	OD 04	100

P/N	Price
✓ 11 78 02	257.00
✓ 11 78 07	339.00
✓ 11 78 10	385.00

FM-1D/K Frequency to Analog Converter - Remote Display of Rate & Total ✓ **M/N:** 18 20 23 **Price:** \$935.00

WP-QF High Pressure Series

ANSI 300lb - PN-25/40 DIN

Cold Water Meters - To 122° F

Hot Water Meters - To 266° F

Size	Meter M/N	Price
2"	82 74 44	1,555.00
3"	82 74 50	1,579.00
4"	82 74 56	1,844.00
6"	82 74 62	3,883.00
8"	82 74 68	4,388.00
10"	82 81 82	8,645.00
12"	82 81 88	9,875.00

IMU P/N	Price
82 74 14	1,166.00
82 74 20	1,184.00
82 74 26	1,383.00
82 74 32	2,912.00
82 74 38	3,291.00
82 81 70	6,484.00
82 81 76	7,406.00

Size	Meter M/N	Price
2"	82 63 64	2,215.00
3"	82 74 51	2,238.00
4"	82 74 57	2,479.00
6"	82 74 63	4,607.00
8"	82 74 69	5,091.00
10"	82 81 83	9,875.00
12"	82 81 89	11,100.00

IMU P/N	Price
82 83 62	1,661.00
82 74 21	1,679.00
82 74 27	1,859.00
82 74 33	3,455.00
82 74 39	3,818.00
82 81 71	7,406.00
82 81 77	8,325.00

Cold Water Meters - To 122° F

Communication Accessories

Hot Water Meters - To 266° F

Type	Model	Pulse/Rev
REED	RD 01	1 or 10
OPTO	OD 01	1,000
OPTO	OD 03	100

P/N	Price
11 36 94	237.00
11 37 74	309.00
11 49 30	339.00

Type	Model	Pulse/Rev
REED	RD 02	4 or 10
OPTO	OD 02	1,000
OPTO	OD 04	100

P/N	Price
11 36 96	257.00
11 40 43	339.00
11 49 31	385.00

FM-1D/K Frequency to Analog Converter - Remote Display of Rate & Total **M/N:** 18 20 23 **Price:** \$935.00



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Performance Data

Cold Meters	BMF Series and Standard Series Meters										Standard Series Only			
	2"		3"		4"		6"		8"		10"		12"	
WP/Dynamic	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr
ANSI 150lb PN-16														
Max Peak Flow	396.2	90.0	880.5	200.0	1320.8	300.0	2641.6	600.0	5283.2	1200.0	7044.3	1600.0	8805.4	2000
Continuous Flow	220.1	50.0	528.3	120.0	1012.6	230.0	1981.2	450.0	3522.1	800.0	5503.4	1250.0	6163.8	1400
Transitional Flow	3.1	0.7	3.5	0.8	7.9	1.8	17.6	4.0	26.4	6.0	48.4	11.0	66.0	15
Minimum Flow	1.3	0.3	2.2	0.5	3.5	0.8	7.9	1.8	17.6	4.0	26.4	6.0	52.8	12
Starting Flow	0.9	0.2	1.3	0.3	1.3	0.3	4.4	1.0	6.6	1.5	13.2	3.0	35.2	8

Hot Meters	BMF Series and Standard Series Meters										Standard Series Only			
	2"		3"		4"		6"		8"		10"		12"	
WP/Dynamic	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr
ANSI 150 lb PN-16														
Max Peak Flow	132.1	30.0	396.2	90.0	616.4	140.0	1320.8	300.0	2201.3	500.0	4402.7	1000	5283.2	1200
Continuous Flow	66.0	15.0	198.1	45.0	308.2	70.0	660.4	150.0	1100.7	250.0	2201.3	500	2641.6	600
Transitional Flow	7.9	1.8	14.1	3.2	21.1	4.8	52.8	12.0	88.1	20.0	198.1	45	220.1	50
Minimum Flow	2.6	0.6	6.2	1.4	8.8	2.0	19.8	4.5	35.2	8.0	88.1	20	110.1	25
Starting Flow	1.3	0.3	1.8	0.4	2.6	0.6	7.5	1.7	8.8	2.0	44.0	10	66.0	15

Cold Meters	High Pressure (ANSI 300 lb / PN-25/40) Meters Only													
	2"		3"		4"		6"		8"		10"		12"	
WP-QF	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr
ANSI 300 lb PN 25-40														
Max Peak Flow	352.2	80.0	880.5	200.0	1100.7	250.0	2641.6	600.0	3522.1	800.0	5283.2	1200	8805.4	2000
Continuous Flow	176.1	40.0	528.3	120.0	792.5	180.0	1761.1	400.0	2421.5	550.0	3302.0	750	4402.7	1000
Transitional Flow	4.4	1.0	4.4	1.0	11.0	2.5	17.6	4.0	26.4	6.0	52.8	12	66.0	15
Minimum Flow	2.2	0.5	2.6	0.6	5.3	1.2	12.1	2.8	17.6	4.0	26.4	6	52.8	12
Starting Flow	0.9	0.2	1.1	0.3	1.3	0.3	7.5	1.7	7.9	1.8	13.2	3	39.6	9

Hot Meters	High Pressure (ANSI 300 lb / PN-25/40) Meters Only													
	2"		3"		4"		6"		8"		10"		12"	
WP-QF	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr	GPM	m3/hr
ANSI 300 lb PN 25-40														
Max Peak Flow	132.1	30	396.2	90	616.4	140	1320.8	300	2201.3	500	4402.7	1000	5283.2	1200
Continuous Flow	66.0	15	198.1	45	308.2	70	660.4	150	1100.7	250	2201.3	500	2641.6	600
Transitional Flow	7.9	1.8	14.1	3.2	21.1	4.8	52.8	12	88.1	20	198.1	45	220.1	50
Minimum Flow	4.4	1	6.2	1.4	8.8	2	19.8	4.5	35.2	8	110.1	25	132.1	30
Starting Flow	1.1	0.3	1.8	0.4	2.6	0.6	7.5	1.7	8.8	2	44.0	10	66.0	15

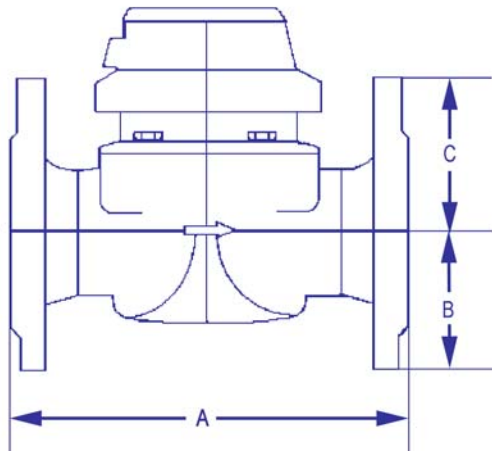


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Dimensional / Weight Data

Dimensions



Installation Considerations

- The installation site should be chosen so that an unrestricted straight pipe of at least 3 Pipe Diameters is ensured.
- The Pipe Diameter should not be reduced directly in front of or behind the meter.
- All regulation of the flow should be done behind the meter.
- The meter must be installed in the pipe free of stress.
- The location of the meter should be such that it is not possible for air pockets to develop in the meter i.e. the meter should not be at high points in the pipeline or operated under half full pipe conditions.

Meter Size	WP/Dynamic - Standard & BFM Series - Cold & Hot Water Meters													
	2"		3"		4"		6"		8"		10"		12"	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
A	7 7/8	200	8 15/16	225	9 13/16	250	11 13/16	300	13 3/4	350	17 11/16	450	19 11/16	500
B	2 7/8	73	3 3/4	95	4 1/8	105	5 5/16	135	6 3/8	162	7 5/8	194	8 7/8	226
C	4 3/4	120	5 7/8	150	5 7/8	150	6 15/16	177	8 1/8	206	9 1/8	231	10 1/16	256
Weight	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
IMU	3.09	1.4	6.61	3	6.61	3	12.13	5.5	16.53	7.5	16.53	7.5	16.53	7.5
Body	13.89	6.3	23.37	10.6	33.07	15	66.14	30	94.8	43	140.65	63.8	202.38	91.8
Total	16.98	7.7	29.98	13.6	39.68	18	78.26	35.5	111.33	50.5	159.39	72.3	218.92	99.3

Meter Size	WP-QF High Pressure Meters - Cold & Hot Water Meters													
	2"		3"		4"		6"		8"		10"		12"	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
A	7 7/8	200	8 15/16	225	9 13/16	250	11 13/16	300	13 3/4	350	17 11/16	450	19 11/16	500
B	2 7/8	73	3 3/4	95	4 1/8	105	5 5/16	135	6 3/8	162	7 5/8	194	8 7/8	226
C	4 3/4	120	5 7/8	150	5 7/8	150	6 15/16	177	8 1/8	206	9 1/8	231	10 1/16	256
Weight	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
IMU	6.6	3	6.6	3	6.6	3	19.9	9	19.9	9	48.5	22	48.15	22
Body	26.5	12	33.1	15	46.3	21	75	34	105.8	48	211.65	96	291.35	132
Total	33.07	15	39.7	18	52.9	24	94.78	43	125.6	57	260.15	118	339.5	154

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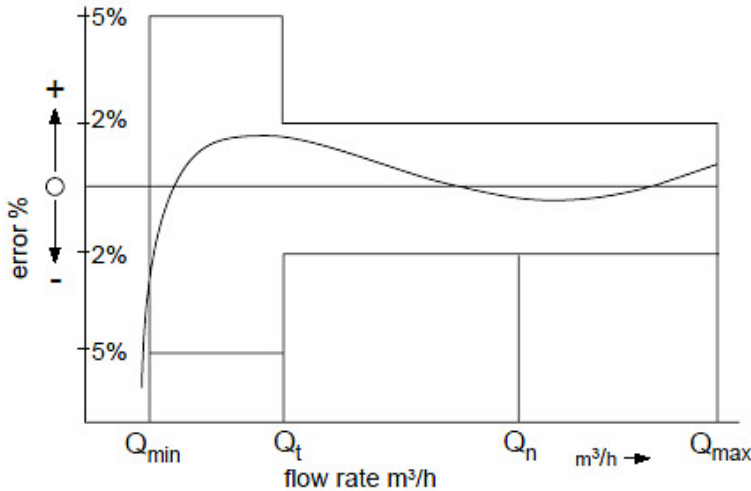


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Accuracy / Pressure Drop Curves

Typical Accuracy Curve



Download Data Sheets

Downloads require an active Internet Connection

WP/Dynamic Standard Water Meters [Cold](#) / [Hot](#)

WP/Dynamic BMF Series Meters [Cold](#) / [Hot](#)

WP-QF High Pressure Meters [Cold](#) / [Hot](#)

[Opto Pulsers](#) / [Reed Pulsers](#) / [FM-1D/K](#)

Q_{max} = Maximum Peak Flow

Q_n = Maximum Continuous Flow

Q_t = Transitional Flow + 2%

Q_{min} = Minimum Flow + 5%

Typical Pressure Drop Curve

