



Engineering and Technical Data

F-2000

Digital Paddlewheel Flow Meter



Features

- > Easy to read 8 digit LCD, up to 4 decimal positions
- > Flow rate and Total flow display
- > AC/DC transformer or battery operated (RT models only). 4 AA batteries
- > Factory programmed with calibration certificate
- > Front panel security lockout
- > 4-20ma and 0-10VDC output models
- > Batch Processing and Flow Rate Alarms

Video link: **NEMA 4X**

Highlights

Flow range

.4 - 8,000 GPM
1 to 27,000 LPM

Pressures

300 PSI
(20 bar)

Pressure drop

0 - 8 PSI
(varies per model)

Full Scale Accuracy

+/- 1%

Power supply

15-24 VDC
115V/230V60z, 220V/50Hz
Battery operated

Warranty

1 Year

Available Models



Molded Fittings

Saddle Mount
Fittings

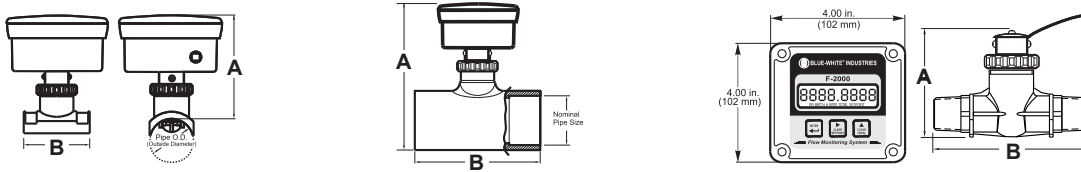
PVC Fittings



For more help and information regarding **F-2000**, please visit www.blue-white.com or scan this QR code.

Maximum Working Pressure	300 PSI (20 bar) @ 70 °F (21 °C)
	200 °F (93 °C) @ 0 PSI (PVDF saddles and PP Molded fittings)
Maximum Fluid Temperature	140 °F (60 °C) @ 0 PSI (PVC saddles and PVC Tee fittings)
	NOTE: Temperature rating of F-2000 only. Actual pipe rating may vary.
Maximum Ambient Temperature	14 °F to 110 °F/ -10 °C to 43 °C
Maximum Pressure Drop	up to 8 PSI (varies per model)
Full Scale Accuracy	+/- 1%
Power Requirement	15 VDC Nominal (15 - 24 VDC Absolute)
Model RT units only	4 AA batteries or 15 - 24 VDC plug-in transformer
All units	15 - 24 VDC (plug-in transformer supplied)
Signal Distance	AC sine wave sensor = 200 ft(60 m) Optional Hall Effect sensor = 1 mile(1.6 km)
Signal Cable	3 conductor shielded. Included 25 ft(7.6 m)(Option for 50 ft and 100 ft)
Approximate Shipping Weight	4 lb. (1.8 kg)
Enclosure	NEMA 4X (IP56)
RoHS Compliant	Yes

Dimensions



Pipe Size	Saddle Fittings	
	A	B
1-1/2"(50mm)	4-1/2"	3-3/16"
2"(63mm)	4-1/2"	3-3/16"
3"(90mm)	4-1/2"	3-3/16"
4"(110mm)	4-1/2"	3-3/16"
6"(160mm)	4-3/8"	3-3/16"
8"(200mm)	4-3/8"	3-3/16"
10"(250mm)	4-1/2"	4-1/2"
12"(315mm)	4-1/2"	4-1/2"

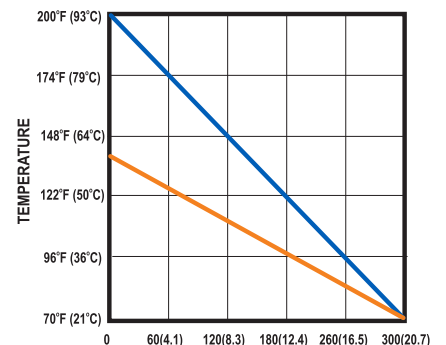
Pipe Size	PVC Tee	
	A	B
1"	6"	4"
1-1/2"	6-5/8"	4-1/2"
2"	7-1/8"	4-3/4"

Pipe Size	Molded Fittings	
	A	B
3/8"	3-3/4" (95)	4-3/4" (121)
1/2"	3-3/4" (95)	5-1/8" (130)
3/4"	4" (102)	5-1/4" (133)
1"	4" (102)	5-5/8" (143)
1-1/2"	4-1/2" (114)	6-1/2" (165)
2"	4-3/4" (121)	6-3/4" (171)

Performance

Digital Paddlewheel Flow Meter

— PVC Saddles & PVC Tees
— PVDF Saddles & PP Tees



Saddle material:	PVDF (1-1/2", 2", 3", 50mm, 63mm, 90mm sizes) PVC (other sizes)
In-Line Molded Tee:	Polypropylene
Sensor, paddlewheel, axle:	PVDF
Sensor O-ring seals:	Viton (optional EP)

Ordering Information

Molded In-Line Pipe Fittings

Pipe Size	GPM Flow Range	LPM Flow Range	M ³ /HR Flow Range	OZ/Min Flow Range	Model Number	
					MNPT	MBSPT
3/8"	.8 to 8	3 - 30	0.2 - 1.8	106 - 1058	38M1	38MB1
3/8"	.4 to 4	1 - 10	0.1 - 0.6	35 - 353	38M2	38MB2
1/2"	2 to 20	7 - 70	0.4 - 4.2	247 - 2469	50M1	50MB1
3/4"	3 - 30	11 - 110	0.7 - 6.6	388 - 3880	75M1	75MB1
1"	5 to 50	20 - 200	1.2 - 12	705 - 7054	10M1	10MB1
1-1/2"	6 to 60	25 - 250	1.5 - 15	885 - 8818	15M2	15MB2
2"	10 to 100	40 - 400	2.4 - 24	1411 - 14108	20M3	20MB3
2"	20 to 200	70 - 700	4.2 - 42	2469 - 24689	20M4	20MB4

TEE Pipe Fittings

Pipe Size	GPM Range	LPM Range	Model Number
			Solvent Weld PVC Tee
1"	6 to 60	25 - 250	10AT
1-1/2"	15 to 150	60 - 600	15AT
2"	30 to 300	100 - 1000	20AT
3"	60 to 600	230 - 2300	30AT

Saddle Mount Pipe Fittings

Pipe Size IPS	GPM Range	M ³ /HR Flow Range	Model Number	
			Sch 40	Sch 80
1-1/2"	15 - 150	3.5 - 34.5	15K4	15K8
2"	30 - 300	6.9 - 69.0	20K4	20K8
2-1/2"	40 to 400	9.2 - 92.0	25A4	25A8
3"	60 to 600	13.8 - 138	30K4	30K8
4"	100 - 1000	23.0 - 230	40A4	40A8
6"	250 - 2500	57.5 - 575	60A4	60A8
8"	400 - 4000	92.0 - 920	80A4	80A8
10"	600 - 6000	138 - 1380	100A4	100A8
12"	800 - 8000	184 - 1840	120A4	120A8

DIN 8062	LPM	M ³ /HR Flow Range	Metric PN10
50mm	70 - 700	4.2 - 42.0	05K0
63mm	110 - 1100	6.6 - 66.0	06K0
75mm	150 - 1500	9.0 - 90.0	07A0
90mm	230 - 2300	13.8 - 138	09K0
110mm	350 - 3500	21.0 - 210	11A0
160mm	720 - 7200	43.2 - 432	16A0
200mm	1150 - 11500	69.0 - 690	20A0
250mm	1700 - 17000	102 - 1020	25A0
315mm	2700 - 27000	162 - 1620	31A0

