

F-1000 Series Paddlewheel Flowmeters

Saddle or T-Mount Paddlewheel Meters for Full-Pipe Flows



Description

The DIGI-FLOW™ F-1000 paddlewheel meters are easy to install, battery-powered, and a great value for many full pipe water flow applications. The F-1000 features high quality, durable materials that provide for a long operational life in a variety of applications, including mildly corrosive liquids. With simple strap-on saddle or T-mount installation fittings, you can install the F-1000 quickly on most standard pipe sizes and mount it in virtually any position. The easy to read, 6-digit LCD display indicates both rate of flow and total flow, and includes a reset button for the totalizer. Once the F-1000 is installed, its meter head and mechanical portion may be quickly removed for maintenance or replacement.

Options to Meet Your Needs

The T-mount F-1000 meters are available in sizes from 3/8" to 2" and come with standard male pipe threads. The saddle-mount version fits any pipe with a wall thickness equal to schedule 40 or schedule 80 pipe, with model diameters from 1 1/2" to 6".

Easy Installation

You can quickly and easily install a meter by simply drilling a 1-1/8" hole in the pipe and strapping the unit on with the included hardware. Each F-1000 is pre-calibrated for a specific pipe size and wall thickness, so it is ready to install right out of the box. All necessary mounting hardware and batteries are included.

Additional Notes

In addition to the gpm units presented below, F-1000 Models are available in lpm and metric pipe sizes—please contact us regarding availability. Remember to always check for chemical compatibility before using this or any other flowmeter with a liquid other than clean to slightly turbid water.

Applications

Ideal for full pipe water flow metering in pipes sizes from 3/8" to 2", including in mildly corrosive liquids.

Specifications

Accuracy	±2% full scale
Display	6-digit LCD, rate and total
Maximum Pressure	300 psig (20.7 bar) @ 70°F (20.7°C)
Maximum Fluid Temperature @ 0 psi	T-mount: 200°F (93°C) Saddle-mount: 140°F (60°C)
Materials	Sensor body/paddle/axle: PVDF Mounting T: Polypropylene Mounting saddle: 1-1/2" to 3": PVDF, 6" to 10": PVC O-Rings: Viton®
Power	Two AAA batteries (included)
Battery Life	1-year minimum
Enclosure	NEMA 4X, ABS
Dimensions	See illustrations
Weight	2 lbs (907 kg)

Features

- No external power required
- Quick and easy to install
- LCD rate and totalizer display
- No programming required
- Battery powered
- Rugged design

Ordering & Options

T-Mount Models

Order No.	Pipe Size	Flow Range (gpm)
RT-375MI-GPM1	3/8"	0.8 to 8
RT-375MI-GPM2	3/8"	0.4 to 4
RT-500MI-GPM1	1/2"	2 to 20
RT-500MI-GPM2	1/2"	0.5 to 5
RT-750MI-GPM1	3/4"	3 to 30
RT-750MI-GPM2	3/4"	0.8 to 8
RT-100MI-GPM1	1"	5 to 50
RT-100MI-GPM2	1"	2 to 20
RT-150MI-GPM1	1 1/2"	4 to 40
RT-150MI-GPM2	1 1/2"	6 to 60
RT-150MI-GPM3	1 1/2"	10 to 100
RT-200MI-GPM1	2"	4 to 40
RT-200MI-GPM2	2"	6 to 60
RT-200MI-GPM3	2"	10 to 100
RT-200MI-GPM4	2"	20 to 200

Saddle Mount Models - Schedule 40 Pipe Walls

Order No.	Pipe Size	Flow Range (gpm)
RT-150S4-GPM1	1 1/2"	15 to 150
RT-200S4-GPM1	2"	30 to 300
RT-300S4-GPM1	3"	60 to 600
RT-400S4-GPM1	4"	100 to 1000
RT-600S4-GPM1	6"	250 to 2500
RT-800S4-GPM1	8"	400 to 4000
RT-1000S4-GPM1	10"	600 to 6000
RT-1200S4-GPM1	12"	800 to 8000

Saddle Mount Models - Schedule 80 Pipe Walls

Order No.	Pipe Size	Flow Range (gpm)
RT-150S8-GPM1	1 1/2"	15 to 150
RT-200S8-GPM1	2"	30 to 300
RT-300S8-GPM1	3"	60 to 600
RT-400S8-GPM1	4"	100 to 1000
RT-600S8-GPM1	6"	250 to 2500
RT-800S8-GPM1	8"	400 to 4000
RT-1000S8-GPM1	10"	600 to 6000
RT-1200S8-GPM1	12"	800 to 8000



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