

MAGFlo™ MMFM

MAGNETIC FLOW METER



DESCRIPTION

The MAGFLO™ Magnetic Flow Meter is ideal for most liquid process applications such as pulp and paper, agricultural, chemical, water, wastewater, oil and gas, and OEM applications. The units are offered in a wide variety of sizes and flow ranges. The MAGFLO™ is available in flanged and wafer style. Line sizes available range from 1/2 inch to 24 inches.

FEATURES & BENEFITS

- No moving parts
- Virtually no pressure drop
- Minimal maintenance
- Wide range of flow rate and connection sizes
- Broad selection of lining and electrode materials
- Economically priced
- HART or Modbus Communications
- Auto-Diagnostics with Alarms

SPECIFICATIONS

Power Supply	<ul style="list-style-type: none"> • 110 - 240 VAC, 45~65 Hz (Single Phase AC) • 18 - 36 VDC • Battery 	Zero-point Stability	Automatic correction or programmable
Power Consumption	Approx. 10W max. with sensors connected	Ambient Temperature	Hard Rubber Liner: -20 to 140°F (-20 to 60°C) PTFE Liner: -20 to 248° (-20 to 120°C)
Accuracy	± 0.5% accuracy of rate from .98 to 40 ft/s ± 1.0% accuracy of rate from .32 to .98 ft/s	Electrode Materials	Standard: SS316L Optional: Titanium; Hastelloy Alloy C; Tantalum
Repeatability	0.2%	Liner Material	PTFE, Hard Rubber, Other Liner Material Upon Request
Minimum Fluid Conductivity	5.0 micromhos/0.39"	Fluid Temperature	PTFE: 248° F standard (customized 356°F) Rubber: 140°F
Flow Direction	Unidirectional or bidirectional, 2 separate totalizers (programmable)	Pressure Limits	Standard: 165 PSIG Optional: 580 PSIG
Analog Outputs	4-20mA, 750ohms max load	Coil Power	Pulsed DC
Output Frequency	Scaled pulse output, (open collector) max 5Khz	Pipe Spool Material	SS316 Flow Tube beneath liner
Noise Damping	Programmable via HART or Push Buttons	Meter Housing Material	Carbon Steel - Standard (ISO 7005-1) Polyurthane Coated Optional Stainless Steel Grounding Rings
Pulse Width	Programmable up to 500 ms via HART or Push Buttons	Process Connections	Standard: ANSI 150 lbs RF Type Other sizes and pressure ratings on request
		Grounding Rings or Electrode	Standard: SS316L Optional: Titanium; Hastelloy Alloy C; Tantalum

Specifications subject to change

Ordering Information

FLO-CORP MODEL NUMBER BUILDER

Use the diagram below, working from left to right to construct your FLO-CORP Model Number. Simply match the category number to the corresponding box number.

Example: MMFM-04C-SS1-R-A3R-A01-1

MMFM

Diameter	Flow Range (1)
01) 3/8"	-11.00 to +11.00 GPM
02) 1/2"	-25.00 to +25.00 GPM
03) 3/4"	-55.00 to +55.00 GPM
04) 1"	-98.00 to +98.00 GPM
05) 1 1/4"	-150.00 to +150.00 GPM
06) 1 1/2"	-225.00 to +250.00 GPM
07) 2"	-385.00 to +385.00 GPM
08) 2 1/2"	-600.00 to +600.00 GPM
09) 3"	-900.00 to +900.00 GPM
10) 4"	-1,550.00 to +1,550.00 GPM
11) 5"	-2,500.00 to +2,500.00 GPM
12) 6"	-3,500.00 to +3,500.00 GPM
13) 8"	-6,200.00 to +6,200.00 GPM
14) 10"	-9,800.00 to +9,800.00 GPM
15) 12"	-14,000.00 to +14,000.00 GPM
16) 14"	-19,000.00 to +19,000.00 GPM
17) 16"	-25,000.00 to +25,000.00 GPM
18) 18"	-32,000.00 to +32,000.00 GPM
19) 20"	-40,000.00 to +40,000.00 GPM
20) 24"	-55,000.00 to +55,000.00 GPM

Transmitter Type

C) Compact Type
R) Remote Type

Electrode Material

SS) Stainless Steel
Ti) Titanium
Ta) Tantalum
Ha) Hastelloy Alloy C

Signal Output

0) No Output
1) 4-20mA / 1-5KHz

Liner Material

R) Hard Rubber
P) PTFE

Power Supply

A) 110 - 240 VAC
D) 20 - 36 VDC
B) Battery Power Supply

Communication

0) No Communication
1) RS485
2) Modbus
3) HART
4) GPRS

Grounding Ring

N) No Grounding Ring
R) Grounding Ring
E) Grounding Electrode

Connection

A01) ANSI 150# Flange
A03) ANSI 300# Flange
A06) ANSI 600# Flange
A09) ANSI 900# Flange
T00) Tri-Clamp for sanitary Type (Body material: Stainless Steel)

TRANSMITTER TYPE

COMPACT



REMOTE



Ordering Notes:
(1) Select the best configuration based on your requirements