

MF1000 SERIES

Magnetic Flow Meter



- Full Port | No Pressure Drop
- No Moving Parts | No Clog Design
- Integral Display | Flow | Total | All-in-One



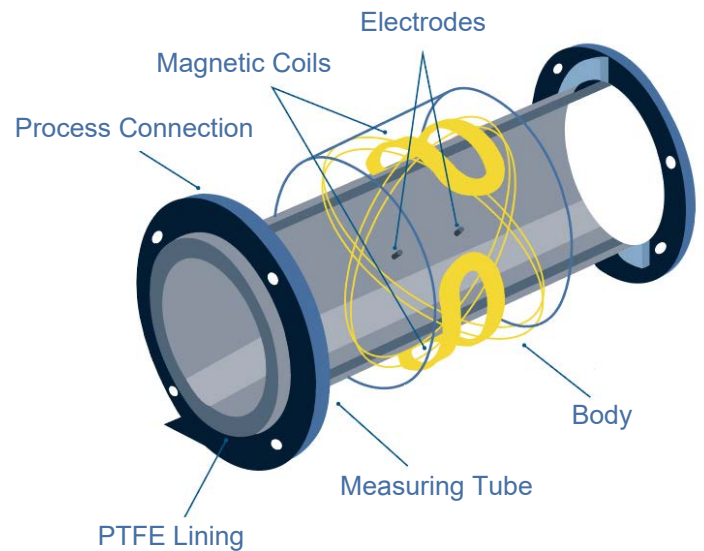
Standard Materials of Construction

- Carbon Steel Body
- PTFE Teflon® Liner
- Hastelloy C Electrode



Magnetic Flow Meter Structure

- Working Principle Based on Faraday's Law of Electromagnetic Induction



Features

- 4-20mA | Frequency Pulse | RS-485
- Standard PTFE Teflon® Liner
- High Accuracy: $\pm 0.5\%$ F.S.
- Excellent Chemical Resistance
- Full Port Design
- IP 68 Protection

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The Truflo® MF1000 Series Flanged Magnetic Flow Meters provide long-lasting, reliable performance in even the most challenging applications. The MF1000 is a microprocessor-based flow transmitter that has been engineered for high performance, easy installation, commissioning and maintenance.

The MF1000 is truly robust, cost-effective and suitable for all-round applications and has a measuring accuracy of $\pm 0.5\%$ of the flow rate.

The Truflo® MF1000 Series comes standard with a PTFE Teflon® liner, Carbon Steel body and Hastelloy C Electrodes. However, a variety of materials are available to ensure the flow meter is chemically compatible with your application.

PTFE

CS

HC



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Specifications

Flow Direction	Positive Negative Net Flow
Range Ratio	20:1
Repeatability	±0.1%
Accuracy	±0.5%
Signal Output	4-20mA Frequency Pulse RS-485
Protection Class	IP 68
Power Supply	24 VDC

Flow Rates

Speed (m/s)		0.3	0.4	0.5	1	2	3	4	5	6	7	8	9	10
Flow (m³/h)														
Size (mm)	In													
15	½"	0.2	0.3	0.4	0.6	1.3	1.9	2.5	3.2	3.8	4.5	5.1	5.7	6
20	¾"	0.4	0.5	0.6	1.1	2.3	3.4	4.5	5.7	6.8	7.9	9	10	15
25	1.0"	0.6	0.7	0.9	1.8	2.5	5.3	7.1	8.8	11	12	14	16	20
40	1 ½"	1.4	1.8	2.5	4.5	9	14	18	23	27	32	36	41	45
50	2"	2.2	2.8	3.5	7.1	14	21	28	35	42	49	57	64	70
80	3"	5.4	7.2	9	18	36	54	72	90	100	120	140	160	110
100	4"	8.4	11	14	28	57	85	110	140	170	190	220	250	280
150	6"	20	25	32	64	120	190	250	310	380	440	500	570	630
125	8"	34	45	57	110	220	340	450	560	670	790	900	1000	1100

Model Selection

