MF-1000
In-Line Magnetic Flow Meter

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





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

HC CS PTFE RoHS Compliant CE

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

Equipment protection that can handle the pressure

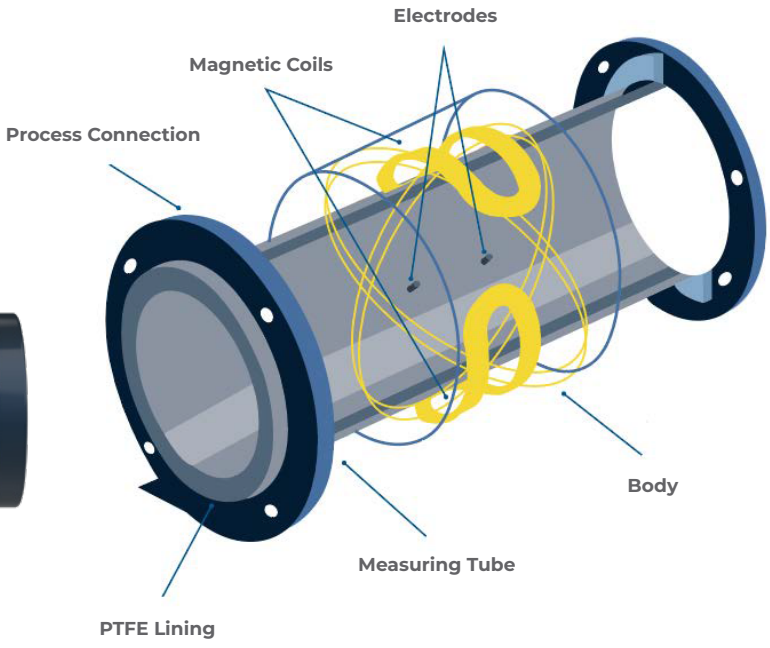
The Truflo® MF1000 Series Flanged Magnetic Flow Meters provide long-lasting, reliable performance in even the most challenging applications. The MF1000 is a microprocessor- based flow transmitter that has been engineered for high performance, easy installation, commissioning and maintenance.

The MF1000 is truly robust, cost-effective and suitable for all-round applications and has a measuring accuracy of ± 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.

Magnetic Flow Meter Structure

Working Principle Based on Faraday's Law of Electromagnetic Induction



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MF-1000
In-Line Magnetic Flow Meter

truflo®

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”	0.6	0.7	0.9	1.8	2.5	4.5	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	210
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
200	8”	34	45	57	110	220	340	450	560	670	790	900	1000	1100

Model Selection

MF 1000B - [25] - [A] - [D] - [B] - **A** - **A** - [B] - [B] ← **B:** Battery (OPTIONAL) — Omit if not selected

Nominal Diameter		Electrode Type	Inner-lining Material	External Flange & Housing Material	Output Signal
15: ½”	**100:** 4”	**A:** Hastelloy Hc	**A:** PTFE Teflon®	**A:** Carbon Steel	**A:** 4-20mA
20: ¾”	**150:** 6”	**B:** Hastelloy Hb	**B:** Neoprene	**B:** Stainless Steel	**B:** Pulse Output
25: 1”	**200:** 8”	**C:** Tantalum	**C:** Polyurethane		**C:** HART
40: 1½”	**250:** 10”	**D:** Titanium	**D:** FEP Teflon®		
50: 2”	**300:** 12”	**E:** 316 SS			
80: 3”	**400:** 14”	**F:** Tungsten Carbide			

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