

ULTRAFLO 4000

Multi-Function Ultrasonic Flow Meter

Order from: **C A Briggs Company**
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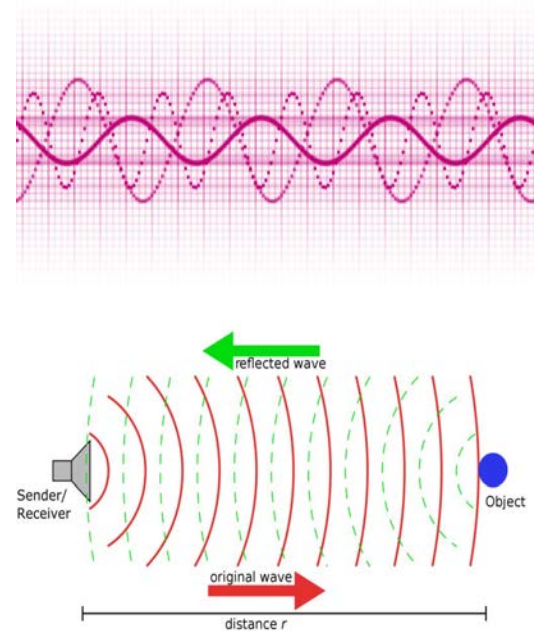
- Measures Continuous + Dosing + Pulsating Flow
- Ultrasonic Measurement
- No Moving Parts



SERIES : ULTRAFLO 4000
CONNECTION : NPT/Socket Union



Sound Wave Technology



FEATURES

- All Plastic Ultrasonic Flow Meter
- True Union Ends (Option)
- Heavy Duty Design
- Completely Corrosion Resistant
- RS-485 Output, 4-20mA
- Display Flow Rate + Totalizer
- 4-20mA Output + Pulse Relay
- Air Bubble Alarm
- IP65 Enclosure
- Negligible Pressure Drop

DESCRIPTION

The UltraFlo 4000 utilizes ultrasonic technology as is capable of measuring both conductive and non conductive liquids. It is an excellent choice for very corrosive liquids such as strong acids and alkalis. The Ultra Flo 4000 has no moving parts and has been engineered to measure pulsating, dosing as well as metering flow. All parts that contact the liquid are made of corrosion resistant Polysulfone. The UltraFlo 4000 offers high measurement accuracy and repeatability.

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Housing

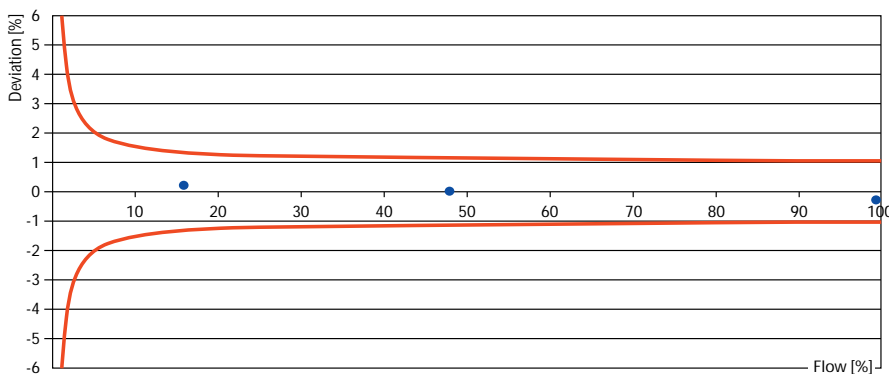
Material	PSU (Polysulfone)			
Protection class	IP67 NEMA 4X			
Medium temperature	-10° ... 80°C 14 - 176°F			
Measuring Range	0.3 - 21 LPM 08 - 5.5 GPM	0.9 - 36 LPM 0.24 - 9.5 GPM	3.5 - 60 LPM 0.92 - 15.8 GPM	5.0 - 240 1.32 - 63 GPM
Max. pressure	16 bar 232 Psi	16 bar 232 Psi	10 bar 145 Psi	10 bar 145 Psi

Process Connection

Outside thread G or NPT	1/2"	3/4"	1"	1-1/4"
Weight	350g	350g	450g	450g

Electronics

Power supply	24VDC / 3,6W
Connection	M12x1 plug 5 or 8 Pin (Plastic).
Outputs	Current output configurable 0-20mA, 4-20mA Digital pulse output or empty pipe alarm
Input	Digital Input for dosing start or counter reset
Communication interface	Data interface (1 wire) RS-485 (2 wire) (Option)
Max. error of measurement	± 1%
Repeatability	± 0.05%
Material	PSU (Polysulfone)
Protection class	IP65 NEMA 4X



Example: Measuring points of a calibrated Truflo in error graph according definitions

Size	Part Number	Material
1/2"	UFM-4000-50	PSU (Polysulphone)
3/4"	UFM-4000-75	PSU (Polysulphone)
1"	UFM-4000-100	PSU (Polysulphone)
1 1/4"	UFM-4000-125	PSU (Polysulphone)

