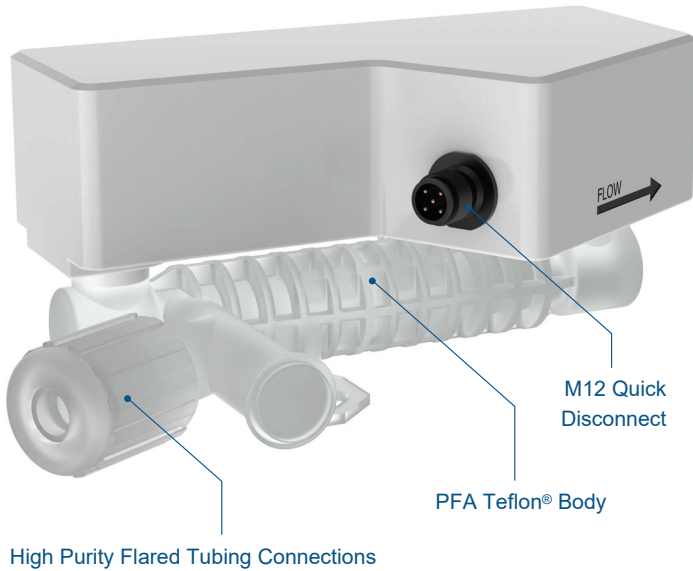


# UltraFlo® 1000 SERIES

## Ultrasonic Flow Meter



- ✓ Measures Dosing | Pulsating Flow
- ✓ No Moving Parts
- ✓ Ultra Low Flow Applications



PFA

PVDF

**RoHS**
  
Compliant

### Features

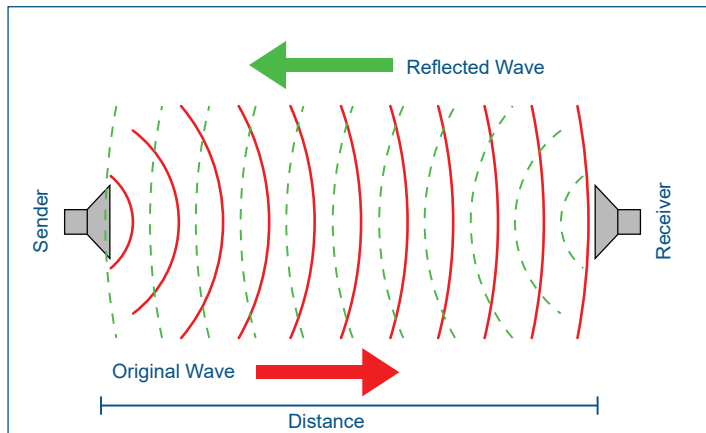
- ✓ All Plastic PFA Teflon® Wetted Materials
- ✓ High Accuracy:  $\pm 1.0\%$
- ✓ Flared End Connectors
- ✓ Superior Corrosion Resistance
- ✓ 4-20mA + Pulse Relay Output | RS-485
- ✓ Suitable for Ultra Pure Applications
- ✓ Negligible Pressure Drop
- ✓ Empty Pipe Alarm
- ✓ Air Bubble Detection

### Flared Tubing Connections

- ✓ Perfect for High Purity Applications
- ✓ Leak-Free Performance
- ✓ Easy Installation Process
- ✓ Flaretek® Compatible



### Sound Wave Technology



- ✓ 250 Pulses/sec
- ✓ No Moving Parts
- ✓ Full-Port Design
- ✓ Piezo-Type Sensing Transducers

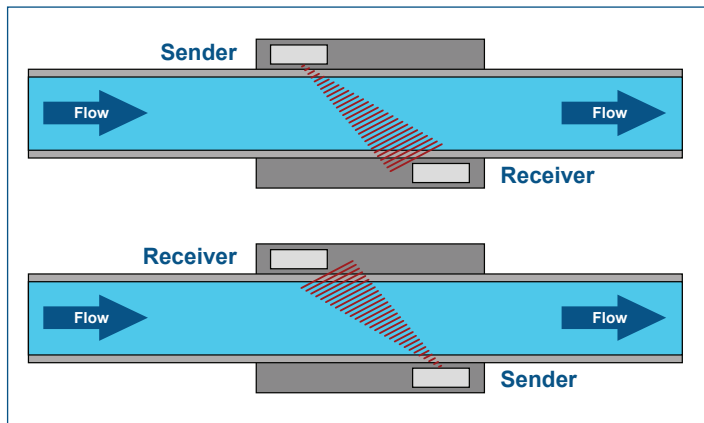
### Product Description

The **UltraFlo® 1000** Flow Meter utilizes ultrasonic technology to measure both conductive and non conductive liquids, and is an excellent choice for very corrosive liquids such as strong acids and alkalis.

The **UltraFlo® 1000** has no moving parts and can measure pulsating, dosing and metering flow applications. All parts that contact the liquid are made of corrosion resistant PFA **Truflo®**.

The **UltraFlo® 1000** is characterized by its high measurement accuracy, repeatability and guaranteed long-life performance.

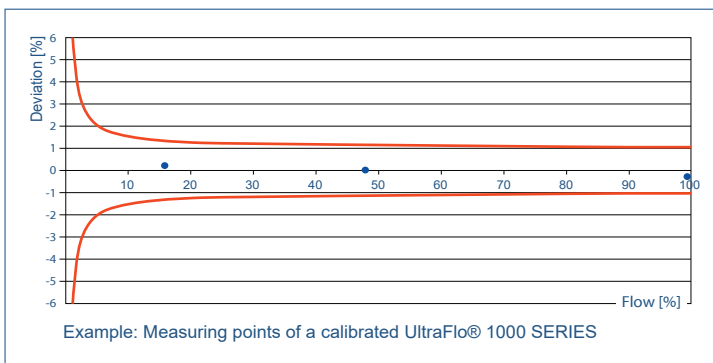
### Working Principle



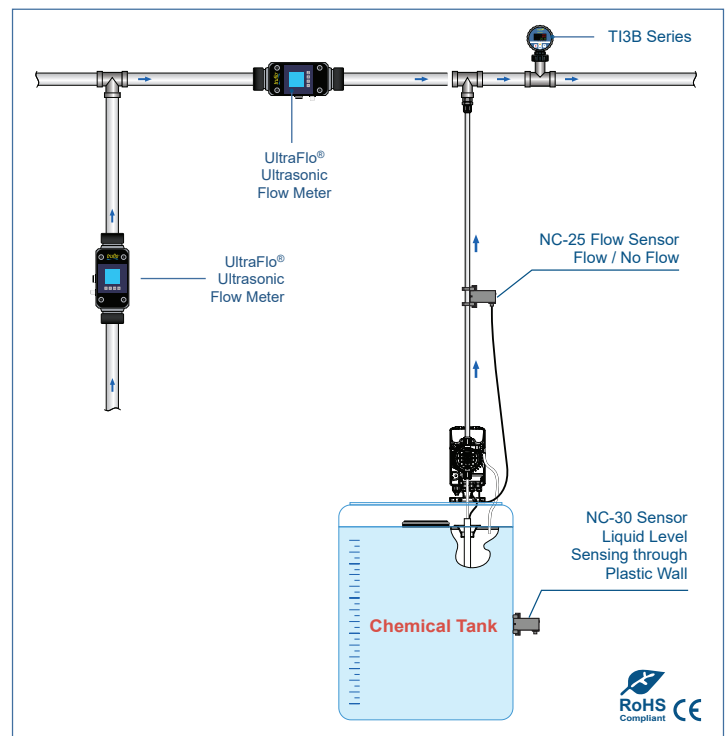
### Technical Specifications

General					
Material	Pipe	PFA Teflon®			
	Electronics	PP			
	Nut	PFA   NPT Adaption (Flare to NPT)			
Protection Class		IP67   NEMA 4X			
Medium Temperature		-40 - 248°F   -40 - 120°C			
Measuring Range   GPM   LPM		0.005 - 1.6   0.02 - 9.0	0.08 - 6.3   0.3 - 24	0.24 - 15.8   0.9 - 60	0.32 - 31.7   1.2 - 120
Max. Pressure   Non-Shock		100 psi   7 bar	100 psi   7 bar	100 psi   7 bar	100 psi   7 bar
Process Connection					
Sealless Tube Connection   Flare		3/8"	1/2"	3/4"	1"
Dimensions   L   W   H   mm		209   120   79	209   120   79	209   120   82	209   120   92
Weight   lbs		2.8	2.8	2.8	3.5
Electrical					
Power Supply		24VDC   3.6W			
Connection		M12			
Output		4-20mA + Pulse Relay   RS-485			
Standards and Approvals					
CE   FCC   RoHS Compliant					

### Measuring Points



### Application Example



### Model Selection

Size	Part Number	Material
3/8"	UFM-1000-37	PFA
1/2"	UFM-1000-50	PFA
3/4"	UFM-1000-75	PFA
1"	UFM-1000-100	PFA