

SPX Inline Low Flow Meter

Chemical-Resistant Low Flow Meter for Small Pipes



Description

The SPX Inline Low Flow Meter is a chemical-resistant meter designed for measuring flows in small pipes. The SPX is available in standard pipe thread sizes from 3/8" to 1" NPT. A transparent acrylic cover provides visual flow indication for the meter's PVDF rotor element. The 6-24 VDC pulse output is compatible with many different types of PLCs, counters, and a full range of rate displays and controls.

The SPX employs ruby bearings and a nickel tungsten carbide shaft to measure very low minimum flows and provide superior wear characteristics. The meter's polypropylene body is resistant to many mild chemicals. The meter's rotor is PVDF and the nickel-bonded tungsten carbide shaft is similar to stainless steel in resistance. If you are using wetted materials that are questionable, please contact Global Water for assistance.

The meter can be installed vertically or horizontally. Please note that a straight pipe run of at least 5 diameters (10 diameters is preferred) upstream of the meter is recommended.

Specifications

Accuracy	±1% full scale
Flow Rates	3/8": 0.07 to 5 gpm
	1/2": 0.1 to 10 gpm
	3/4": 0.2 to 20 gpm
	1": 0.5 to 40 gpm
Materials	Body: Polypropylene
	Cover: Acrylic
	Rotor: PVDF
	Shaft: Nickel tungsten carbide
Maximum Pressure	Bearings: Ruby
	150 psi (10 bar)
	Maximum Temperature
	160°F (70°C)
Power	6 to 24 VDC, 2 mA minimum
Sensor Cable	18' AWG 22 3-conductor
Maximum Cable Run	2000 ft (650 m)
Size	4.1 x 2.2 x 2.1" (10.5 x 5.5 x 5 cm)
Weight	2.5 lbs (1.13 kg)
Materials	Sensor Body: Brass, 316 SS
	Rotor: Polypro
	Shaft: Nickel-bound tungsten carbide
	Bearings: Ruby
Maximum Cable Run	Cable: #22 AWG 3-con 18' (6m)
	2,000' (650m)

Features

- Accurate at lower flow rates
- Resistant to many low-corrosive chemical solutions
- Pulse output is compatible with most PLC's and controllers
- Transparent housing for sight flow inspection
- Replaceable non-wetted solid-state pickup
- Available in standard pipe thread sizes from 3/8" to 1" NPT

Ordering & Options

SPX Inline Low Flow Meters

Order No.	Thread Size (NPT)	Cable Length
SPX-038	3/8"	18'
SPX-050	1/2"	18'
SPX-075	3/4"	18'
SPX-100	1"	18'

Optional Output Displays & Converters

Order No.	Description
FT415W	Battery Powered Pulse Output and Display
FT420W	Pulse to 4-20 mA Output and Display
AO55	Blind 4-20 mA Converter



In the U.S. call toll free
at 1-800-876-1172
International: 1-979-690-5560
Fax: 1-979-690-0440
Email: globalw@globalw.com

Visit our online catalog at:
www.globalw.com
Our Address:
11390 Amalgam Way
Gold River, CA 95670