

# 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 Bearings: Ruby
Maximum Pressure	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 Cable: #22 AWG 3-con 18' (6m)
Maximum Cable Run	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



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