

F-400N Series Flowmeters

Variable Area Inline Flowmeters

Description

The F-400N Series Variable Area Flowmeters, including the F-400N and F-410N versions, have long been two popular lines. These flowmeters feature superior styling and quality materials. They are also available in a variety of models to suit the needs of your specific applications.

Quality Features

The F-400N Series flowmeters are machined of highest quality acrylic that is polished to a crystal clear finish. Additional design features include corrosion and wear resistant internal parts, sturdy well-built adapters, Viton® o-ring seals, and PVC or stainless steel floats.

Easy Reading

Permanent scales are screen printed onto the meter body directly in front of the float for easy reading. The F-400's also include back reflectors for easy reading.

Various Models

As shown in the Ordering & Options section below, F-400N Series flowmeters are available for a variety of flow rates; with 1/4, 3/8, or 1/2" F/NPT adapters; and with components in a variety of materials. In addition to the versions presented below, other configurations and flow ranges are available. Please contact us with your desired mounting configuration, liquid being measured, and measurement range in gpm, lpm or cfm.

Applications

Ideal for water treatment systems, reverse osmosis systems, manufacturing and management of deionized water, and more.



Features

- Tough machined acrylic meter body
- Direct reading permanent scale
- Acceptable in direct sunlight applications
- Reinforced connections with metal thread supports

Specifications

Max. Working Pressure	150 psi (10.3 bar) @ 70°F (21°C)
Max. Fluid Temperature	Polypropylene adapters: 150°F (65°C) @ 0 psi PVC adapters and floats: 120°F (49°C) @ 0 psi
Full Scale Accuracy	± 5%
Calibration Fluid	Water, specific gravity 1.0
Maximum Pressure Drop	2 psi
Dimensions	F-400N: 8-3/16" H x 1-1/4" dia. (21cm H x 3.2cm dia.) F-410N: 11" H x 1-3/4" dia. (28cm H x 4.5cm dia.)
Weight	F-400N: 0.5 lb. (.23 kg) F-410N: 2.0 lb. (.91 kg)

Ordering & Options

F-400N Standard Models for Liquid

Order No.	Flow Range (gpm)	Flow Range (lpm)	F/NPT Adapter	Connector	Float
F-40250LN-4	0.025 to 0.250	0.1 to 1.0	1/4"	PVC	PVC
F-40050LN-4	0.050 to 0.500	0.2 to 2.0	1/4"	PVC	316 SS
F-40375LN-8	0.1 to 1.0	0.4 to 4.0	1/2"	Polypropylene	PVC
F-40376LN-8	0.2 to 2.0	1.0 to 7.5	1/2"	Polypropylene	316 SS
F-40377LN-8	0.3 to 3.0	1.5 to 11.0	1/2"	Polypropylene	316 SS
F-40500LN-8	0.5 to 5.0	2.0 to 20.0	1/2"	Polypropylene	316 SS

F-410N Standard Models for Liquid

Order No.	Flow Range (gpm)	Flow Range (lpm)	F/NPT Adapter	Connector	Float
F-40750LN-12	1.0 to 10	4 to 38	3/4"	Polypropylene	316 SS
F-41017LN-12	1.0 to 17	4 to 64	3/4"	Polypropylene	316 SS
F-41000LN-12	2.0 to 20	8 to 80	3/4"	Polypropylene	316 SS
F-41000LN-16	2.0 to 20	8 to 80	1"	Polypropylene	316 SS



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