

The **F-400 SERIES** of In-Line Units

F-400N

F-400N BENEFITS

- Tough machined acrylic meter body, highly polished to a clear finish. Annealed for added strength.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Sturdy adapters with high grade FKM o-ring seals.
- Standard models #316 stainless steel float guide rods.
- Standard models #316 stainless steel, PVDF, PTFE float.
- Acceptable in direct sunlight applications.
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Models available for use with liquids.

F-400N SPECIFICATIONS

Max. Working Pressure 150 psig (10.3 bar) @ 70° F (21° C)
 Max. Fluid Temperature Polypropylene adapters: 150° F (65° C) @ 0 PSI
 Full scale accuracy +/- 5%
 Meter body material Machined acrylic
 O-ring seals FKM
 Approximate shipping wt. . 1/2 lb. (.23 kg)
 NIST certificates optional

PIPE SIZES

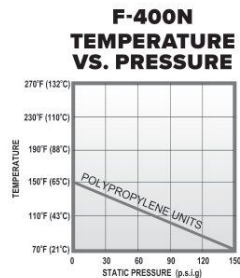
1/2" F/NPT

FLOW RATES

0.025 to 5 GPM
 0.1 to 20 LPM

DIMENSIONS

Height: 8-3/16" (20.8cm)
 Width: 1-1/4" (3.2cm)



F-410N

F-410N BENEFITS

- Tough machined acrylic meter body, highly polished to a clear finish. Annealed for added strength.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Sturdy adapters with high grade FKM o-ring seals.
- Standard models #316 stainless steel float guide rods.
- Standard models #316 stainless steel or PVC float.
- Acceptable in direct sunlight applications.
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Models available for use with liquids.

F-410N SPECIFICATIONS

Max. Working Pressure 150 psig (10.3 bar) @ 70° F (21° C)
 Max. Fluid Temperature 316 SS and Hastelloy Floats: 150° F (65° C) @ 0 PSI
 PVC floats: 120° F (49° C) @ 0 PSI

Full scale accuracy +/- 5%
 Meter body material Machined acrylic
 O-ring seals FKM
 Approximate shipping wt. . 2 lb. (.91 kg)
 NIST certificates optional

PIPE SIZES

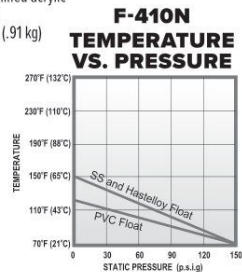
3/4" and 1" F/NPT

FLOW RATES

1 to 20 GPM
 4 to 80 LPM

DIMENSIONS

Height: 11" (27.9cm)
 Width: 1-3/4" (3.2cm)



F-410N
F-430N



F-400N

F-420N



F-420N

F-420N BENEFITS

- Tough machined acrylic meter body, highly polished to a clear finish. Annealed for added strength.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Sturdy adapters with high grade FKM o-ring seals.
- Standard models #316 stainless steel float guide rods.
- Acceptable in direct sunlight applications.
- Available OEM options: Private labeling, custom calibrations, custom materials.

F-420N SPECIFICATIONS

Max. Working Pressure 130 psig (8.9 bar) @ 70° F (21° C)
 Max. Fluid Temperature 130° F (54° C) @ 0 PSI
 Full scale accuracy +/- 5%
 Meter body material Machined acrylic
 O-ring seals FKM
 Approximate shipping wt. . 2 lb. (.91 kg)
 NIST certificates optional

PIPE SIZES

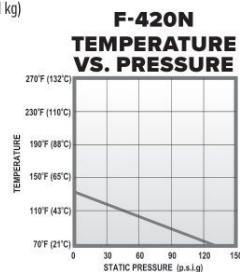
1" F/NPT and 1-1/2" M/NPT

FLOW RATES

5 to 50 GPM
 20 to 200 LPM

DIMENSIONS

Height: 12" (30.5cm)
 Width: 2" (5.1cm)



F-430N

F-430N BENEFITS

- Tough machined acrylic meter body, highly polished to a clear finish. Annealed for added strength.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Sturdy adapters with high grade FKM o-ring seals.
- Standard models #316 stainless steel float guide rods.
- Acceptable in direct sunlight applications.
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Optional Polypropylene Adapters available.

F-430N SPECIFICATIONS

Max. Working Pressure 130 psig (8.9 bar) @ 70° F (21° C)
 Max. Fluid Temperature 130° F (54° C) @ 0 PSI
 Full scale accuracy +/- 5%
 Meter body material Machined acrylic
 O-ring seals FKM
 Approximate shipping wt. . 6 lb. (2.7 kg)
 NIST certificates optional

PIPE SIZES

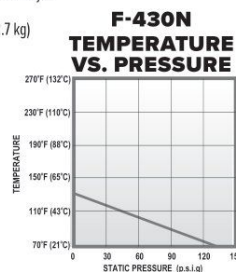
1-1/2" and 2" F/NPT

FLOW RATES

4 to 100 GPM
 15 to 375 LPM

DIMENSIONS

Height: 14" (35.6cm)
 Width: 3" (7.6cm)



5
LIQUID MONITORING



Acrylic Variable Area Flow Meters

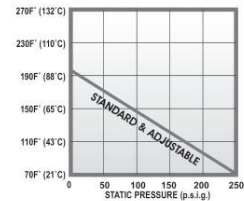
F-550 SERIES Machined Panel Mount Meter



F-550A WITH INTEGRAL FLOW ADJUSTMENT VALVE

F-550

F-550 OUTPUT VS. PRESSURE



F-550 BENEFITS

- Durable, highly polished, one piece machined meter body. Annealed for added strength.
- #316 Stainless Steel floats and float guides.
- Sturdy adapters with FKM O-ring seals.
- Bulkhead nuts attach directly to inside panel.
- Separate mounting screws are not required.
- Optional Adjustable Flow Control Valve (F-550A only) easy to disassemble. No special tool required, ALL FIELD REPLACEABLE.
- Acceptable in direct sunlight applications.
- Models available for use with liquids.

F-550 SPECIFICATIONS

Pressure 250 psig (17.2 Bar) @70°F (21°C)
 Temperature 200°F (93°C) @ 0 pressure
 Full Scale Accuracy ± 5%
 Meter Body Material Machined acrylic
 Adapter Material Polypropylene
 O-rings FKM
 Float Material #316 SS
 Approximate Shipping Wt. 2 lbs. (.907 kg.)

PIPE SIZES

1/4", 3/8", 1/2", 3/4" and
 1" M/NPT.
 1/2" Barb

FLOW RATES

0.025 to 20 GPM
 0.1 to 75 LPM

F-550 ORDERING GUIDELINES

MODEL NUMBER	CALIBRATION		ADAPTER SIZE	FLOAT MATERIAL
	GPM	LPM		
F-55250L(*)	0.025 to 0.250	0.1 to 1	1/4" M/NPT	#316 SS
F-55375L(*)	0.1 to 1	0.4 to 4	3/8" M/NPT	#316 SS
F-55376L(*)	0.2 to 2	0.75 to 7.5	3/8" M/NPT	#316 SS
F-55500L(*)	0.5 to 5	2 to 20	1/2" M/NPT	#316 SS
F-55750L(*)	1 to 10	4 to 40	3/4" M/NPT	#316 SS
F-55005L	1 to 5	3 to 18	1" M/NPT	PTFE
F-55010L(*)	1 to 10	4 to 40	1" M/NPT	#316 SS
F-55015L(*)	1 to 15	5 to 60	1" M/NPT	#316 SS
F-55200L(*)	2 to 20	7.5 to 75	1" M/NPT	#316 SS

MODEL OPTIONS

(*) To order with Flow Adjustment Valve add the letter "A" after the "L" in the model number. Model #F-55005L is not available with Adjustment Valve.

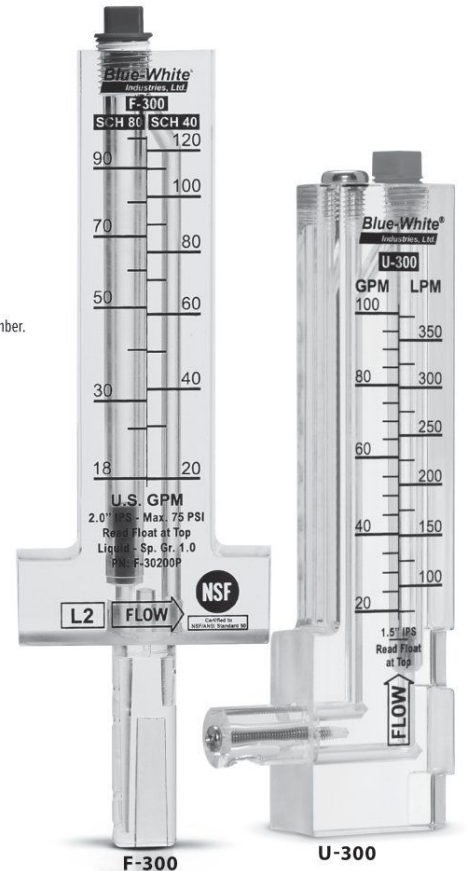
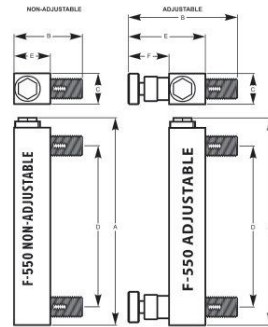
F-550 NON-ADJUSTABLE DIMENSIONS

Model Number	A	B	C	D	E	Mount Hole
F-55250L (1/4")	7-1/4"(18.4cm)	2-1/2"(6.4cm)	1-1/16"(2.4cm)	5-5/8"(14.3cm)	1-1/4"(cm)	9/16"(1.4cm)
F-55375L (3/8")	8-3/8"(21.3cm)	2-3/4"(7.0cm)	1-1/32"(3.4cm)	6-1/2"(16.5cm)	1-1/2"(cm)	1-1/16"(2.7cm)
F-55376L (3/8")	8-3/8"(21.3cm)	2-3/4"(7.0cm)	1-1/32"(3.4cm)	6-1/2"(16.5cm)	1-1/2"(cm)	1-1/16"(2.7cm)
F-55500L (1/2")	8-3/8"(21.3cm)	2-3/4"(7.0cm)	1-1/32"(3.4cm)	6-1/2"(16.5cm)	1-1/2"(cm)	7/8"(2.2cm)
F-55750L (3/4")	9"(22.9cm)	3-3/4"(9.5cm)	1-1/2"(3.8cm)	6-1/2"(16.5cm)	1-3/4"(cm)	1-1/16"(2.7cm)
F-55200L (1")	10-5/8"(27.0cm)	4"(10.2cm)	1-3/4"(4.4cm)	8"(20.3cm)	2"(cm)	12-1/4"(30.5cm)

F-550 ADJUSTABLE DIMENSIONS

Model Number	A	B	C	D	E	F
F-55250LA (1/4")	7-1/4"(18.4cm)	3-7/16"(8.7cm)	1"(2.5cm)	5-5/8"(14.3cm)	2-7/16"(6.2cm)	1-11/32"(3.4cm)
F-55375LA (3/8")	8-3/8"(21.3cm)	4-1/2"(11.4cm)	1-11/32"(3.4cm)	6-1/2"(16.5cm)	3-1/4"(8.3cm)	1-3/4"(4.4cm)
F-55376LA (3/8")	8-3/8"(21.3cm)	4-1/2"(11.4cm)	1-11/32"(3.4cm)	6-1/2"(16.5cm)	3-1/4"(8.3cm)	1-3/4"(4.4cm)
F-55500LA (1/2")	8-3/8"(21.3cm)	4-1/2"(11.4cm)	1-11/32"(3.4cm)	6-1/2"(16.5cm)	3-1/4"(8.3cm)	1-3/4"(4.4cm)
F-55750LA (3/4")	9"(22.9cm)	5-1/2"(14.0cm)	1-1/2"(3.8cm)	6-1/2"(16.5cm)	3-1/4"(8.3cm)	1-5/16"(3.3cm)
F-55200LA (1")	10-5/8"(27.0cm)	5-1/4"(13.3cm)	1-3/4"(4.4cm)	8"(20.3cm)	3-1/2"(8.9cm)	1-7/16"(3.7cm)

Note: Mount Hole Dimensions are the same as the Model Non-Adjustable



F-300

U-300

F-300 SERIES Machined Acrylic Flowmeters

F-300 BENEFITS

- NSF listed.
- No metal in the fluid.
- Horizontal or Vertical pipe installation.
- One piece machined acrylic meter body.
- Corrosion resistant internal parts.
- Smooth flow means no float bounce.
- Ships with gasket seal and mounting clamps.
- Calibrated for use on PVC or Copper Pipe.

F-300 SPECIFICATIONS

Max. Working Pressure 75 psig (5.1 bar) @ 70°F (21°C)
 Max. Fluid Temperature 190°F (88°C) @ 0 pressure
 Accuracy ± 5% for 1", 1-1/2", 1-1/4" and 2"
 ± 10% for 2-1/2", 3", 4", 6"
 Meter Body Material Acrylic
 Connection Type Saddle
 Float Material PVDF
 Gasket Material Neoprene
 Max. Pressure Drop 0 psi
 Approx. Shipping Weight... 1" to 4" Pipe: 1 lbs. (.454 kg.)
 6" to 8" Pipe: 2 lbs. (.907 kg.)

I.P.S. PIPE SIZES

1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 6", 8"

FLOW RATES

5 to 2200 U.S. GPM
 20 to 8328 LPM