

**ANNEALED FOR
ADDED STRENGTH**

ACRYLIC VARIABLE AREA FLOWMETERS

THE F-400 SERIES OF IN-LINE UNITS



F-400N

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. (Optional K-series hastelloy C-276).
- Standard models #316 stainless steel, PVDF, PTFE float. (Optional K-series hastelloy C-276, PVDF, PTFE).
- Acceptable in direct sunlight applications.
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Models available for use with liquid.

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 (optional EP)
 Approximate shipping wt. ... 1/2 lb. (.23 kg)
 NIST certificates optional

PIPE SIZES

1/4", 3/8" and 1/2" F/NPT

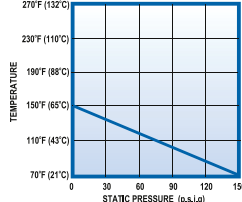
FLOW RATES

0.025 to 5 GPM
 0.1 to 20 LPM

DIMENSIONS

Height: 8-3/16"
 Width: 1-1/4"

F-400N TEMPERATURE VS. PRESSURE



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. (Optional K-series hastelloy C-276).
- 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 (optional EP)
 Approximate shipping wt. ... 2 lb. (.91 kg)
 NIST certificates optional

PIPE SIZES

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

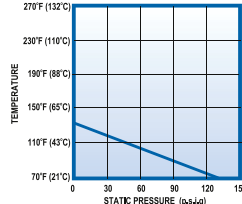
FLOW RATES

5 to 50 GPM
 20 to 200 LPM

DIMENSIONS

Height: 12"
 Width: 2"

F-420N TEMPERATURE VS. PRESSURE



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. (Optional K-series hastelloy C-276).
- Standard models #316 stainless steel or PVC float. (Optional K-series hastelloy C-276 or PVC).
- Acceptable in direct sunlight applications.
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Models available for use with liquid.

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 (optional EP)
 Approximate shipping wt. ... 2 lb. (.91 kg)
 NIST certificates optional

PIPE SIZES

3/4" and 1" F/NPT

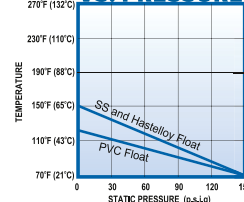
FLOW RATES

1 to 20 GPM
 4 to 80 LPM

DIMENSIONS

Height: 11"
 Width: 1-3/4"

F-410N TEMPERATURE VS. PRESSURE



F-410N

F-430N



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. (Optional K-series hastelloy C-276).
- Acceptable in direct sunlight applications.
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Optional Polypropylene and CPVC 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 (optional EP)
 Approximate shipping wt. ... 6 lb. (2.7 kg)
 NIST certificates optional

PIPE SIZES

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

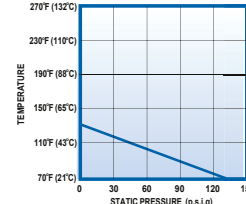
FLOW RATES

4 to 100 GPM
 15 to 375 LPM

DIMENSIONS

Height: 14"
 Width: 3"

F-430N TEMPERATURE VS. PRESSURE



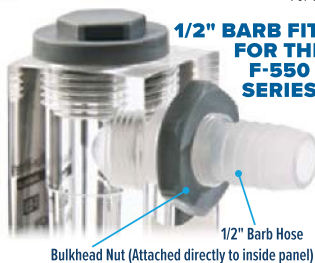
F-550 SERIES MACHINED PANEL MOUNT METER

**ANNEALED FOR
ADDED STRENGTH**



F-550

**F-550A WITH
INTEGRAL FLOW
ADJUSTMENT
VALVE**



**1/2" BARB FITTINGS
FOR THE
F-550 SERIES**

1/2" Barb Hose
Bulkhead Nut (Attached directly to inside panel)

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. EP O-rings optional.
- 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 liquid.

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 (Optional EP)
 Float Material #316 SS
 Approximate Shipping Wt. ... 2 lbs. (.907 kg.)

F-550 ORDERING GUIDELINES

with NON-ADJUSTABLE & ADJUSTABLE Valves					
MODEL NUMBER	CALIBRATION GPM	LPM	ADAPTER SIZE	ADAPTER	FLOAT MATERIAL
F-55250L(*)	0.025 to 0.250	0.1 to 1	1/4" M/NPT	#316 SS	#316 SS
F-55375L(*)	0.1 to 1	0.4 to 4	3/8" M/NPT	#316 SS	#316 SS
F-55375L(*)-BRB	0.1 to 1	0.4 to 4	1/2" BARB	#316 SS	#316 SS
F-55376L(*)	0.2 to 2	0.75 to 7.5	3/8" M/NPT	#316 SS	#316 SS
SSF-55376L(*)-BRB	0.2 to 2	0.75 to 7.5	1/2" BARB	#316 SS	#316 SS
F-55500L(*)	0.5 to 5	2 to 20	1/2" M/NPT	#316 SS	#316 SS
F-55500L(*)-BRB	0.5 to 5	2 to 20	1/2" BARB	#316 SS	#316 SS
F-55750L(*)	1 to 10	4 to 40	3/4" M/NPT	#316 SS	#316 SS
F-55005L	1 to 5	3 to 18	1" M/NPT	PTFE	PTFE
F-55010L(*)	1 to 10	4 to 40	1" M/NPT	#316 SS	#316 SS
F-55015L(*)	1 to 15	5 to 60	1" M/NPT	#316 SS	#316 SS
F-55200L(*)	2 to 20	7.5 to 75	1" M/NPT	#316 SS	#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.
 For optional hastelloy internals, add letter "K" to model number.

F-550 NON-ADJUSTABLE DIMENSIONS

Model Number	A	B	C	D	E	Mount Hole
F-55250L (1/4")	7-1/4"	2-1/2"	11/16"	5-5/8"	1-1/4"	9/16"
F-55375L (3/8")	8-3/8"	2-3/4"	1-1/32"	6-1/2"	1-1/2"	1-1/16"
F-55376L (3/8")	8-3/8"	2-3/4"	1-1/32"	6-1/2"	1-1/2"	1-1/16"
F-55500L (1/2")	8-3/8"	2-3/4"	1-1/32"	6-1/2"	1-1/2"	7/8"
F-55750L (3/4")	9"	3-3/4"	1-1/2"	6-1/2"	1-3/4"	1-1/16"
F-55200L (1")	10-5/8"	4"	1-3/4"	8"	2"	12-1/64"

F-550 ADJUSTABLE DIMENSIONS

Model Number	A	B	C	D	E	F
F-55250LA (1/4")	7-1/4"	3-7/16"	1"	5-5/8"	2-7/16"	1-11/32"
F-55375LA (3/8")	8-3/8"	4-1/2"	1-11/32"	6-1/2"	3-1/4"	1-3/4"
F-55376LA (3/8")	8-3/8"	4-1/2"	1-11/32"	6-1/2"	3-1/4"	1-3/4"
F-55500LA (1/2")	8-3/8"	4-1/2"	1-11/32"	6-1/2"	3-1/4"	1-3/4"
F-55750LA (3/4")	9"	5-1/2"	1-1/2"	6-1/2"	3-1/4"	1-5/16"
F-55200LA (1")	10-5/8"	5-1/4"	1-3/4"	8"	3-1/2"	1-7/16"

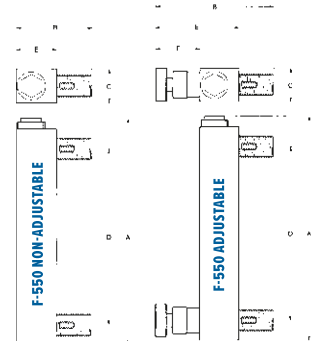
Note: Mount Hole Dimensions are the same as the Model Non-Adjustable

PIPE SIZES

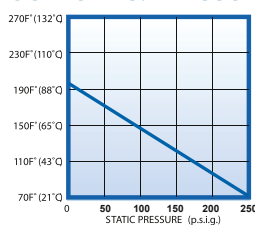
1/4", 3/8, 1/2", 3/4" and
 1" M/NPT.
 1/2" Barb

FLOW RATES

0.025 to 20 GPM
 0.1 to 75 LPM



F-550 OUTPUT VS. PRESSURE



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.
- Ships with gasket seal and mounting clamps.
- Calibrated for use on PVC or Copper Pipe.

* Most models.

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.)

F-300 IMPROVEMENTS

RE-ENGINEERED: Now with even better accuracy, and we've kept the Classic Look including the Signature Red Cap.

NEW PITOT TUBE DESIGN: For smooth fluid flow.

BETTER FLOAT STABILITY: No bounce.

IMPROVED ACCURACY: 1" through 2" = ±5% of rate, 2-1/2" through 6" = ±10% of rate.

REDUCED SPACE NEEDED: You only need half the previous requirement of straight pipe length.

NEW RED FLOAT: Plastic will never corrode.

EASY READING: Bold, black, permanent printing. Large distance between lines

DUAL SCALE: Dual Scale now reads in SCH 40 and SCH 80.

ADDITIONAL ACCESSORY: Optional flow switch can be ordered separately for alarm feedback.

**NEW
THE BEST JUST GOT
EVEN BETTER!**



F-300

U-300

POLYSULFONE VARIABLE AREA FLOWMETERS

F-440 SERIES COMPACT SIZE. BIG PERFORMANCE.

F-440 BENEFITS

- Adjustable Flow Indicating Marker.
- Engineered with large half union connections.
- Oversized o-rings for Superior seal.
- All wetted parts are PVDF or Polypropylene.
- Tough Polysulfone meter body resists high temperatures and pressures.*
- Compact size for tight installation spaces.
- 2" scale length (approximate).
- Direct reading permanent scale.
- In-line or Panel mount configurations available.
- Optional Integral Flow Adjustment Valve.
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Standard models have #316 Stainless Steel, PTFE or PVC float. (Optional K-series Hastelloy C-276 or PVC).
- Not recommended for direct sunlight.
- Solarmeter® units available with in-line Brass adapters. Contact factory for more information.

F-440 SPECIFICATIONS

Max. Working Pressure 175 psig (10.3 bar) @ 70°F (21°C)
 Max. Fluid Temperature
 Standard Models 212°F (100°C) @ 0 PSI
 Solarmeter® Models 240°F (115°C) @ 0 PSI
 Full Scale Accuracy +/- 4%
 Meter Body Material Polysulfone
 Adapter Material Polysulfone (optional Brass)
 O-Ring Material FKM (optional EP)
 Approx. Shipping Weight 1/2lb. (.23 kg)

F-440 ORDERING GUIDELINES

STANDARD LIQUID MODELS

MODEL NUMBER	Pipe Size M/NPT	DUAL SCALE RANGE		Float Material
		GPM	LPM	
F-44250(*)-6	3/8"	.025 to .250	0.1 to 1.0	PVDF
F-44250(*)-8	1/2"	.025 to .250	0.1 to 1.0	PVDF
F-44375(*)-6	3/8"	0.1 to 1.0	0.4 to 4.0	316 SS
F-44375(*)-8	1/2"	0.1 to 1.0	0.4 to 4.0	316 SS
F-44376(*)-6	3/8"	0.2 to 2.0	0.8 to 8.0	316 SS
F-44376(*)-8	1/2"	0.2 to 2.0	0.8 to 8.0	316 SS
F-44500(*)-6	3/8"	0.5 to 5.0	1.8 to 18.0	316 SS
F-44500(*)-8	1/2"	0.5 to 5.0	1.8 to 18.0	316 SS
F-44750(*)-8	1/2"	1.0 to 10.0	5.0 to 37.5	316 SS
F-44750(*)-12	3/4"	1.0 to 10.0	5.0 to 37.5	316 SS
GPH LPH				
F-44330(*)-6	3/8"	3.0 to 30.0	10 to 110	PTFE
F-44330(*)-8	1/2"	3.0 to 30.0	10 to 110	PTFE
F-44560(*)-6	3/8"	5.0 to 60.0	20 to 220	316 SS
F-44560(*)-8	1/2"	5.0 to 60.0	20 to 220	316 SS

MODEL Variations

*L = In-Line Model is listed
 *LE = Panel Mount Model
 *LA = Adjustable Model

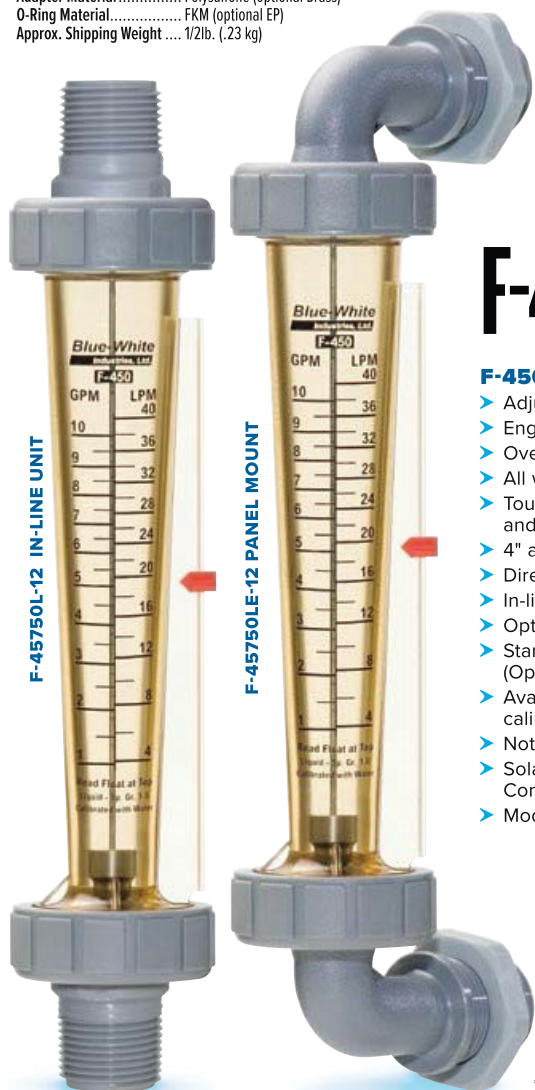
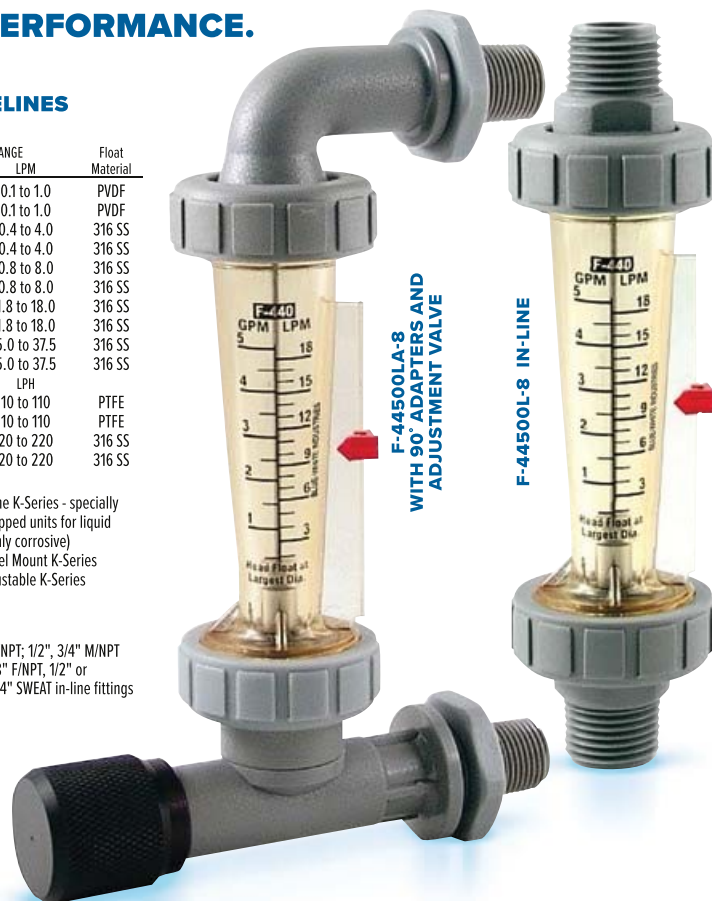
*LK = In-Line K-Series - specially equipped units for liquid (highly corrosive)
 *LKE = Panel Mount K-Series
 *LKA = Adjustable K-Series

PIPE SIZES

Standard Models: 3/8" F/NPT; 1/2", 3/4" M/NPT
 Solarmeter® Models: 3/8" F/NPT, 1/2" or 3/4" M/NPT, and 1/2" or 3/4" SWEAT in-line fittings

FLOW RATES

0.025 to 10 U.S. GPM
 0.1 to 37.5 LPM
 3 to 60 GPH
 10 to 220 LPH



F-450N SERIES PERFORMANCE AND VERSATILITY

F-450N BENEFITS

- Adjustable Flow Indicating Marker.
- Engineered with large half union connections.
- Oversized o-rings for Superior seal.
- All wetted parts are PVDF or Polypropylene.
- Tough Polysulfone meter body resists high temperatures and pressures.*
- 4" approximate scale length for easy reading.
- Direct reading permanent scale.
- In-line or Panel mount configurations available.
- Optional integral flow adjustment valve.
- Standard models have #316 Stainless Steel or PTFE float. (Optional K-series Hastelloy C-276 or PTFE).
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Not recommended for direct sunlight.
- Solarmeter® units available with in-line Brass adapters. Contact factory for additional information.
- Models available for use with liquid.

F-450N SPECIFICATIONS

Max. Working Pressure 175 psig (10.3 bar) @ 70°F (21°C)
 Max. Fluid Temperature
 Standard Models 212°F (100°C) @ 0 PSI
 Solarmeter® Models 240°F (115°C) @ 0 PSI
 Full Scale Accuracy +/- 4%
 Meter Body Material Polysulfone
 Adapter Material Polysulfone (optional Brass)
 O-Ring Material FKM (Optional EP)
 Max. Pressure Drop 2 psi
 Approx. Shipping Weight 1/2lb. (.23 kg)

F-450N ORDERING GUIDELINES

STANDARD LIQUID MODELS

MODEL NUMBER	Pipe Size	DUAL SCALE RANGE		Float Material
		GPM	LPM	
F-45375(*)-6	3/8" F/NPT	.1 to 1	.4 to 4	PTFE
F-45375(*)-8	1/2" M/NPT	.1 to 1	.4 to 4	PTFE
F-45376(*)-6	3/8" F/NPT	.2 to 2	1 to 7.5	316 SS
F-45376(*)-8	1/2" M/NPT	.2 to 2	1 to 7.5	316 SS
F-45500(*)-6	3/8" F/NPT	.5 to 5	2 to 20	316 SS
F-45500(*)-8	1/2" M/NPT	.5 to 5	2 to 20	316 SS
F-45500(*)-12	3/4" M/NPT	.5 to 5	2 to 20	316 SS
F-45750(*)-12	3/4" M/NPT	1 to 10	4 to 40	316 SS

MODEL Variations

*L = In-Line Model is listed
 *LE = Panel Mount Model
 *LA = Adjustable Model
 *LK = In-Line K-Series - specially equipped units for liquid (highly corrosive)
 *LKE = Panel Mount K-Series
 *LKA = Adjustable K-Series

PIPE SIZES

Standard Models: 3/8" F/NPT; 1/2", 3/4" M/NPT
 Solarmeter® Models: 1/2", 3/4" M/NPT; 1/2", 3/4" SWEAT in-line only.

FLOW RATES

0.1 to 10 GPM
 4 to 40 LPM

* The factory does not guarantee their flowmeters for use with liquids other than water. Customers are required to do their own compatibility testing.

F-460 & F-461 SERIES FOR ULTRA PURE & CORROSIVE ENVIRONMENTS



F-460 & F-461 BENEFITS

- Polysulfone meter body with precisely engineered float guide ribs.
- No metal in the fluid path.
- Direct reading permanent scale.
- Ideal for corrosive environments* such as Deionized Water or other applications where an all plastic meter is desirable.
- Available OEM options: Private labeling, special calibrations and alternate materials.
- Not recommended for direct sunlight.

F-460 & F-461 SPECIFICATIONS

Max. Working Pressure 150 psig (10.3 bar) @ 70°F (21°C)
 Max. Fluid Temperature PVDF Adapters: 210°F (98°C) @ 0 PSI, PVC adapters: 130°F (54°C) @ 0 PSI
 Full Scale Accuracy +/- 2-1/2%
 Meter Body Material Polysulfone
 Float Material PTFE
 O-ring Seals FKM
 Max. Pressure Drop 2 psi
 Approx. Shipping Weight F-460 = 1 lb. (.45 kg), F-461 = 3 lb. (1.4 kg)

F-460 PIPE SIZES

1/2" and 3/4" F/NPT
 1/2" and 3/4" Socket Fusion

F-460 FLOW RATES

0.1 to 5.0 U.S. GPM
 0.4 to 20 LPM

F-460 DIMENSIONS

Height: 10"
 Width: 1-3/4"

F-461 PIPE SIZES

1" F/NPT and 1" Socket Fusion

F-461 FLOW RATES

1 to 35 GPM
 4 to 130 LPM

F-461 DIMENSIONS

Height: 15"
 Width: 2-3/4"



Butt Fusion & Socket Fusion Fittings
AVAILABLE FOR F-460, F-461, AND F-462
 Polypropylene or PVDF Butt Fusion & Socket Fusion Fittings for ULTRA PURE APPLICATIONS

F-460 & F-461 ORDERING GUIDELINES

STANDARD F-460 LIQUID MODELS with F/NPT Adapters				
MODEL NUMBER	Pipe Size	DUAL SCALE RANGE		
		GPM	LPM	
F-46010LX-08(*)	1/2"	0.1 to 1.2	0.4 to 4.4	
F-46010LX-12(*)	3/4"	0.1 to 1.2	0.4 to 4.4	
F-46020LX-08(*)	1/2"	0.2 to 2.0	0.8 to 8.0	
F-46020LX-12(*)	3/4"	0.2 to 2.0	0.8 to 8.0	
F-46030LX-08(*)	1/2"	0.3 to 3.0	1.0 to 11	
F-46030LX-12(*)	3/4"	0.3 to 3.0	1.0 to 11	
F-46050LX-08(*)	1/2"	0.5 to 5.0	2.0 to 20	
F-46050LX-12(*)	3/4"	0.5 to 5.0	2.0 to 20	

STANDARD F-461 LIQUID MODELS with F/NPT Adapters				
MODEL NUMBER	Pipe Size	DUAL SCALE RANGE		
		GPM	LPM	
F-461100LX-16(*)	1"	1 to 10	to 40	
F-461200LX-16(*)	1"	2 to 20	5 to 75	
F-461300LX-16(*)	1"	3 to 35	12 to 130	

MODEL Variations

*P= PVC Adapter
 *K= PVDF Adapter
 PVC Union Nuts = replace "X" with "P"
 Contact factory for Socket Fusion Models.

F-462 with Rib Guided Float

HIGH CAPACITY. TOP PERFORMANCE.

F-462 BENEFITS

- Polysulfone meter body with precisely engineered float guide ribs.
- No metal in the fluid path.
- Direct reading permanent scale.
- Ideal for corrosive environments* such as Deionized Water or other applications where an all plastic meter is desirable.
- Available OEM options: Private labeling, special calibrations and alternate materials.
- Not recommended for direct sunlight.

F-462 SPECIFICATIONS

Max. Working Pressure 150 psig (10.3 bar) @ 70°F (21°C)
 Max. Fluid Temperature 200°F (93°C) @ 0 PSI
 Full Scale Accuracy +/- 2-1/2%
 Meter Body Material Polysulfone
 Float Material PTFE
 O-ring Seals FKM (Optional EP)
 Max. Pressure Drop 2 psi
 Approx. Shipping Weight 5 lb. (2.27 kg)

PIPE SIZES

2" F/NPT, 2" Socket Fusion,
 63mm Butt Fusion

FLOW RATES

2 to 80 GPM
 8 to 300 LPM

DIMENSIONS

Height: 18-7/8"
 Width: 4-5/8"

F-462 ORDERING GUIDELINES

STANDARD F-462 LIQUID MODELS with 2" F/NPT Adapters					
MODEL NUMBER	Pipe Size	DUAL SCALE RANGE		Adapter Material	Float Material
		GPM	LPM		
F-462200LX-32H	2" F/NPT	2 to 20	8 to 80	Polysulfone	PTFE
F-462500LX-32H	2" F/NPT	5 to 50	20 to 200	Polysulfone	PTFE
F-462800LX-32H	2" F/NPT	8 to 80	30 to 300	Polysulfone	PTFE

STANDARD F-462 LIQUID MODELS with 2" Socket Fusion Adapters					
MODEL NUMBER	Pipe Size	DUAL SCALE RANGE		Adapter Material	Float Material
		GPM	LPM		
F-462200LX-33G	2" S.F.	2 to 20	8 to 80	Polypropylene	PTFE
F-462500LX-33G	2" S.F.	5 to 50	20 to 200	Polypropylene	PTFE
F-462800LX-33G	2" S.F.	8 to 80	30 to 300	Polypropylene	PTFE
F-462200LX-33K	2" S.F.	2 to 20	8 to 80	PVDF	PTFE
F-462500LX-33K	2" S.F.	5 to 50	20 to 200	PVDF	PTFE
F-462800LX-33K	2" S.F.	8 to 80	30 to 300	PVDF	PTFE

STANDARD F-462 LIQUID MODELS with 63mm Butt Fusion Adapters

MODEL NUMBER	Pipe Size	DUAL SCALE RANGE		Adapter Material	Float Material
		GPM	LPM		
F-462200LX-34G	63mm B.F.	2 to 20	8 to 80	Polypropylene	PTFE
F-462500LX-34G	63mm B.F.	5 to 50	20 to 200	Polypropylene	PTFE
F-462800LX-34G	63mm B.F.	8 to 80	30 to 300	Polypropylene	PTFE
F-462200LX-34K	63mm B.F.	2 to 20	8 to 80	PVDF	PTFE
F-462500LX-34K	63mm B.F.	5 to 50	20 to 200	PVDF	PTFE
F-462800LX-34K	63mm B.F.	8 to 80	30 to 300	PVDF	PTFE

MODEL Variations

Polycarbonate shield = add the letter "C" to the end of the model number.
 PVC Union Nuts = replace "X" with "P"



* The factory does not guarantee their flowmeters for use with liquids other than water. Customers are required to do their own compatibility testing. Request Kit #70000-718, at no charge.

F-451 SERIES

QUALITY. VERSATILITY.

F-451 BENEFITS

- A Heat and Chemical resistant meter body of injection molded Polysulfone.*
- Floats are #316 S.S. or PTFE, depending on calibration.
- Many calibrations are offered in GPM, LPM, SCFM and M³/hr.
- Permanent, easy to read screen printed scales.
- 1" F/NPT Polysulfone adapters, or 1-1/2" PVC adapters (depending on model ordered).
- FKM O-ring Seals, Optional EP.
- Accuracy ± 3%.
- May be ordered with 90° elbow adapters.
- Available with 1" brass sweat or brass F/NPT adapters.
- Available with Polycarbonate Protective Shield.
- Not recommended for direct sunlight applications.
- Models available for use with liquid.
- Optional K Series for corrosive applications.

F-451 ORDERING GUIDELINES

MODEL NUMBER	CALIBRATION		ADAPTER SIZE
	GPM	LPM	
F-451006LHN	0.5 to 6	to 22	1" F/NPT
F-451001LHN	1.0 to 10	4 to 40	1" F/NPT
F-451002LHN	2.0 to 20	7.5 to 75	1" F/NPT
F-451003LHN	3.0 to 30	12 to 115	1" F/NPT
F-451004LHN	4.0 to 40	15 to 155	1" F/NPT

1-1/2" F/NPT PVC Adapters

MODEL NUMBER	CALIBRATION		ADAPTER SIZE
	GPM	LPM	
F-451006LHN-24	0.5 to 6	to 22	1-1/2" F/NPT
F-451001LHN-24	1.0 to 10	4 to 40	1-1/2" F/NPT
F-451002LHN-24	2.0 to 20	7.5 to 75	1-1/2" F/NPT
F-451003LHN-24	3.0 to 30	12 to 115	1-1/2" F/NPT
F-451004LHN-24	4.0 to 40	15 to 155	1-1/2" F/NPT

PIPE SIZES

1", 1-1/2" F/NPT
Brass: 1" F/NPT or Sweat

FLOW RATES

0.5 to 40 GPM
2 to 155 LPM

DIMENSIONS

Height: 14-1/2"
Width: 3-5/16"

F-451 SPECIFICATIONS

Max. Working Pressure 150 psi (10 Bar) @ 70°F (21°C)
Max. Fluid Temperature Polysulfone adapters: 212°F (100°C) @ 0 PSI
PVC adapters: 130°F (54°C) @ 0 PSI
Full Scale Accuracy ± 3%
Meter Body Material Polysulfone
Adapter Material 1" Polysulfone & 1 1/2" PVC
O-Rings FKM (Optional EP)
Float Material #316 SS, Hastelloy C or PTFE, depending on calibration.
Max. Pressure Drop 2 psi
Approx. Shipping Weight 3 lbs. (1.36 kg.)

F-451 WITH PROTECTIVE SHIELD



F-452N SERIES

HIGH CAPACITY.

F-452N BENEFITS

- One piece Polysulfone meter body resists high temperatures and pressures.*
- 316 Stainless Steel or Hastelloy rod guided float.
- Direct reading permanent scale.
- Adapters and unions engineered for maximum protection from misalignment and vibration.
- Optional Polycarbonate Protective Shield.
- Available OEM options: Private labeling, custom calibrations and custom materials.
- Not recommended for direct sunlight.
- Models available for use with liquid.
- Optional K Series for corrosive applications.

F-452N SPECIFICATIONS

Max. Working Pressure 150 psig (10.3 bar) @ 70°F (21°C)
Max. Fluid Temperature 212°F (100°C) @ 0 PSI
Full Scale Accuracy ± 2%
Meter Body Material Polysulfone
Union Nuts Glass fiber reinforced Nylon
Guide Rod Material 316 Stainless Steel
Options: Hastelloy C-276
O-Ring Material FKM (Optional EP)
Max. Pressure Drop 2 psi
Approx. Shipping Weight 5 lb. (2.27 kg)

PIPE SIZES

2" F/NPT

DIMENSIONS

Height: 18-7/8"
Width: 4-5/8"

FLOW RATES

2 to 175 GPM
8 to 675 LPM

F-452 ORDERING GUIDELINES

MODEL NUMBER	DUAL SCALE RANGE		ADAPTER SIZE
	GPM	LPM	
F-452020LHN	2 to 20	8 to 78	2" F/NPT
F-452060LHN	6 to 60	30 to 230	2" F/NPT
F-452080LHN	8 to 80	40 to 300	2" F/NPT
F-452100LHN	6 to 100	20 to 380	2" F/NPT
F-452130LHN	20 to 130	80 to 500	2" F/NPT
F-452175LHN	25 to 175	100 to 675	2" F/NPT

F-452N



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