

VARIABLE AREA FLOWMETERS

F-400 SERIES OF IN-LINE UNITS

F-400N

F-400N BENEFITS

- Tough machined acrylic meter body, highly polished to a clear finish.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Sturdy adapters with high grade Viton® o-ring seals.
- Standard models #316 stainless steel float guide rods. (Optional K-series hastelloy C-276).
- Standard models #316 stainless steel, PVDF, Teflon float. (Optional K-series hastelloy C-276, PVDF, Teflon).
- Acceptable in direct sunlight applications.
- Available OEM options: Private labeling, custom calibrations, custom materials.

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

PIPE SIZES

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

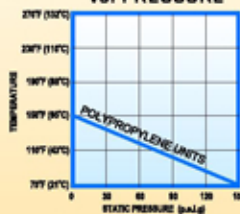
FLOW RATES

0.025 to 5 GPM
 0.1 to 20 LPM
 .2 to 20 SCFM
 .4 to 34 M³HR

DIMENSIONS

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

F-400N TEMPERATURE vs. PRESSURE



F-410N BENEFITS

- Tough machined acrylic meter body, highly polished to a clear finish.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Sturdy adapters with high grade Viton® 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.

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

PIPE SIZES

3/4" and 1" F/NPT

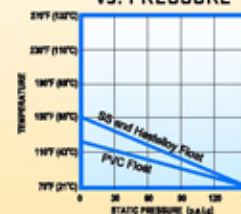
FLOW RATES

1 to 20 USGPM
 4 to 80 LPM
 4 to 80 SCFM
 8 to 135 M³HR

DIMENSIONS

Height: 11"
 Width: 1 3/4"

F-410N TEMPERATURE vs. PRESSURE



F-420N

F-420N BENEFITS

- Tough machined acrylic meter body, highly polished to a clear finish.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Sturdy adapters with high grade Viton® 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..... Viton® (optional EP)
 Approximate shipping wt... 2 lb. (.91 kg)
 NIST certificates optional

PIPE SIZES

1" and 1 1/2" M/NPT

FLOW RATES

5 to 50 USGPM
 20 to 200 LPM

DIMENSIONS

Height: 12"
 Width: 2"

F-420N TEMPERATURE vs. PRESSURE



F-430N

F-430N BENEFITS

- Tough machined acrylic meter body, highly polished to a clear finish.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Sturdy adapters with high grade Viton® 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..... Viton® (optional EP)
 Approximate shipping wt... 6 lb. (2.7 kg)
 NIST certificates optional

PIPE SIZES

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

FLOW RATES

4 to 100 USGPM
 15 to 375 LPM

DIMENSIONS

Height: 14"
 Width: 3"

F-430N TEMPERATURE vs. PRESSURE



F-400N



F-410N



F-420N



F-430N

F-550 SERIES MACHINED PANEL MOUNT METER



F-550 BENEFITS

- Durable, highly polished, one piece machined meter body.
- #316 Stainless Steel floats and float guides.
- Sturdy adapters with Viton® 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.

F-550 SPECIFICATIONS

Temperature.....	200°F (93°C) @ 0 pressure
Pressure.....	250 psig (17.2 Bar) @ 70°F (21°C)
Full Scale Accuracy.....	± 5%
Meter Body Material.....	Machined acrylic
Shield Material.....	Lexan®
Adapter Material.....	PVC, PVDF, CPVC
O-rings.....	Viton®
Float Material.....	#316 SS
Max. Pressure Drop.....	2 psi full scale
Approximate Shipping Wt.....	2 lbs. (.907 kg.)

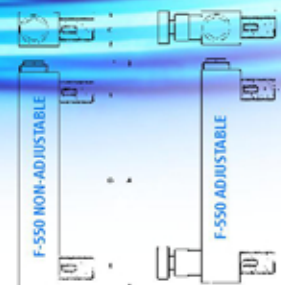
F-550 ORDERING GUIDELINES

with NON-ADJUSTABLE & ADJUSTABLE Valves

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-55501L(*)	1 to 10	4 to 40	3/4" M/NPT	#316 SS
F-55502L(*)	1 to 5	3 to 18	1" M/NPT	Teflon
F-555010L(*)	1 to 10	4 to 40	1" M/NPT	#316 SS
F-555015L(*)	1 to 15	5 to 60	1" M/NPT	#316 SS
F-555200L(*)	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-5500SL 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"	1-1/16"	5-5/8"	1-1/4"	9/16"
F-55375L (3/8")	8-3/8"	2-3/4"	1-11/32"	6-1/2"	1-1/2"	1-1/16"
F-55376L (3/8")	8-3/8"	2-3/4"	1-11/32"	6-1/2"	1-1/2"	1-1/16"
F-55500L (1/2")	8-3/8"	2-3/4"	1-11/32"	6-1/2"	1-1/2"	7/8"
F-55501L (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-55501LA (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

F-550 OUTPUT vs. PRESSURE



PIPE SIZES

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

FLOW RATES

0.025 to 20 GPM
0.1 to 75 LPM
0.1 to 45 SCFM

F-500E SERIES PANEL MOUNT

F-500E BENEFITS

- Impact resistant, one piece machined acrylic meter body.
- #316 Stainless Steel or glass floats (material depends on meter ordered).
- Permanent screen printed scales.
- A wide range of standard calibrations.
- Viton® o-ring seals.
- Excellent Accuracy.
- Acceptable in direct sunlight applications.

F-500E SPECIFICATIONS

Temperature.....	120°F (49°C) @ 0 pressure
Pressure.....	150 psig (10.3 Bar) @ 70°F (21°C)
Full Scale Accuracy.....	± 5%
Meter Body Material.....	Machined acrylic
Adapter Material.....	PVC
O-rings.....	Viton®
Float Material.....	#316 SS or Glass
Max. Pressure Drop.....	2 psi
Approximate Shipping Wt.....	1/2 lbs. (.227 kg.)

F-500E DIMENSIONS

Model #	A	B	C	D	F
F-501E	4-1/8"	1-1/4"	1"	3"	1-5/8"
F-502E	4-1/8"	1-1/4"	1"	3"	1-5/8"
F-503E	4-3/8"	1-1/4"	1"	3"	1-5/8"
F-504E	4-3/8"	1-1/4"	1"	3"	1-5/8"
F-505E	4-3/8"	1-1/4"	1"	3"	1-5/8"
F-506E	4-3/8"	1-1/4"	1"	3"	1-5/8"
F-507E	4-3/8"	1-1/4"	1"	3"	1-5/8"
F-508E	4-3/8"	1-1/4"	1"	3"	1-5/8"
F-509E	4-3/8"	1-1/4"	1"	3"	1-5/8"
F-510E	4-3/8"	1-1/4"	1"	3"	1-5/8"
F-511E	4-1/8"	1-1/4"	1"	3"	1-5/8"
F-512E	4-1/8"	1-1/4"	1"	3"	1-5/8"
F-513E	4-1/8"	1-1/4"	1"	3"	1-5/8"



PIPE SIZES
1/4" and 1/8" M/NPT

FLOW RATES
4.0 to 40 OZ/Hour
0.3 to 20 OZ/Min
2 to 50 SCFM
5 to 24 LPM/Air
1 to 72 GPH
2 to 300 CFH

F-300 SERIES MACHINED ACRYLIC FLOWMETERS

F-300 BENEFITS

- Well suited for closed pipe installation.
- Easy to read dual scale (GPM/LPM), screen printed on both sides of the meter body.
- Horizontal or Vertical pipe installation.
- One piece machined acrylic meter body.
- Corrosion resistant internal parts.
- Calibrated pitot tube.
- Ships with gasket seal and mounting clamps.
- Calibrated for use on PVC or Copper Pipe.
- Low Flow units offered.

F-300 SPECIFICATIONS

Max. Working Pressure.....	150 psig (10.3 bar) @ 70°F (21°C)
Max. Fluid Temperature.....	190°F/88°C @ 0 pressure
Full Scale Accuracy.....	± 10%
Meter Body Material.....	Acrylic
Connection Type.....	Saddle
Float Material.....	#316 SS, Hastelloy or Teflon (low flow units)
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 1900 U.S. GPM
20 to 7200 LPM



POLYSULFONE VARIABLE AREA FLOWMETERS

VERSATILE F-451 SERIES

F-451 BENEFITS

- A Heat and Chemical resistant meter body of injection molded Polysulfone.*
- Floats are #316 S.S. or Teflon, depending on calibration.
- Many calibrations are offered in GPM, LPM and SCFM.
- Permanent, easy to read screen printed scales.
- 1" F/NPT Polysulfone adapters, or, 1 1/2" PVC adapters (depending on model ordered).
- Viton® o-ring seals.
- Accuracy $\pm 3\%$.
- May be ordered with 90° elbow adapters.
- Available with brass sweat or brass 1" F/NPT adapters.
- Available with Polycarbonate Protective Shield.
- Not recommended for direct sunlight applications.

F-451 SPECIFICATIONS

Max. Working Pressure..... 150 psi (10 Bar) @ 70°F (21°C)
 Max. Fluid Temperature..... 212°F (100°C) @ 0 pressure
 Full Scale Accuracy..... $\pm 3\%$
 Meter Body Material..... Polysulfone
 Adapter Material..... 1" Polysulfone & 1 1/2" PVC
 O-Rings..... Viton®
 Float Material..... #316 SS, Hastelloy Cor Teflon, depending on calibration.
 Max. Pressure Drop..... 1 psi
 Approx. Shipping Weight..... 3 lbs. (1.36 kg.)

PIPE SIZES

1", 1-1/2" F/NPT

DIMENSIONS

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

FLOW RATES

0.5 to 40 GPM
 2 to 155 LPM
 4 to 80 SCFM
 7 to 140 M3/Hr

F-451 ORDERING GUIDELINES

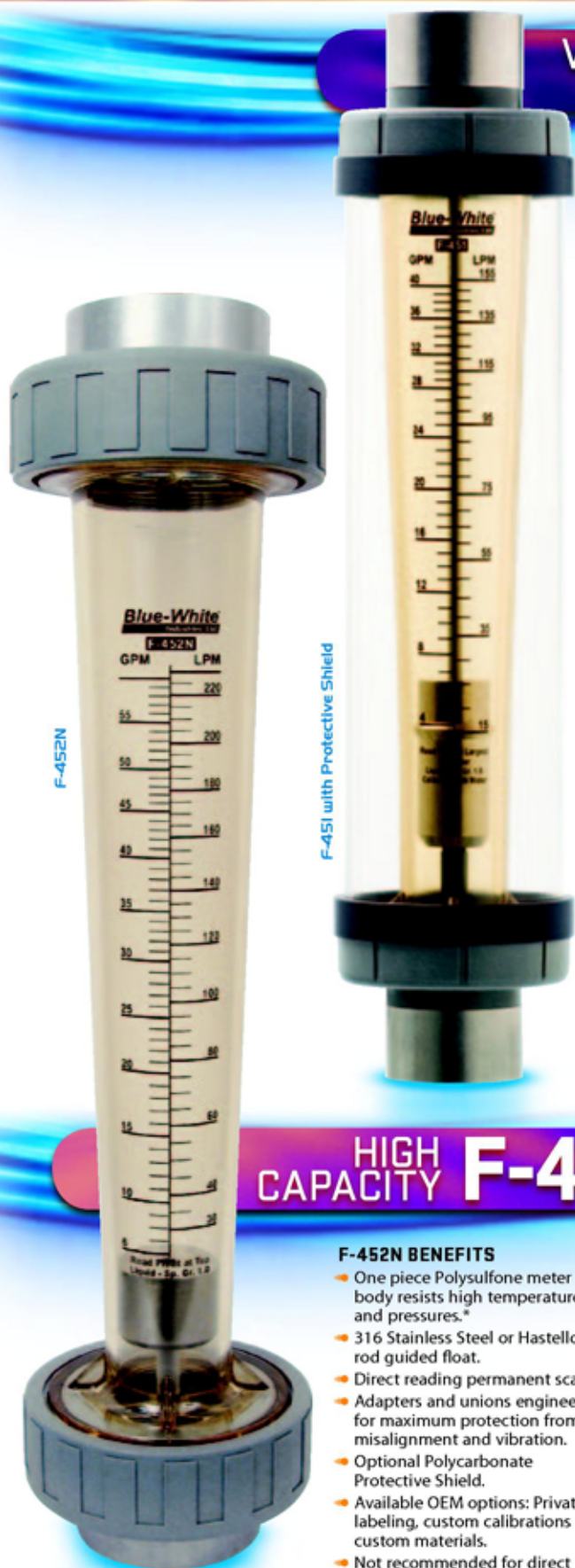
MODEL NUMBER	CALIBRATION GPM	LPM	ADAPTER SIZE
F-451006LHN	0.5 to 6	to 22	1" F/NPT
F-451001LHN	1.0 to 10	4 to 40	1" F/NPT
F-451002LHN	2.0 to 20	7.5 to 75	1" F/NPT
F-451003LHN	3.0 to 30	12 to 115	1" F/NPT
F-451004LHN	4.0 to 40	15 to 155	1" F/NPT

1-1/2" F/NPT PVC Adapters

MODEL NUMBER	CALIBRATION GPM	LPM	ADAPTER SIZE
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

Models calibrated for Air

MODEL NUMBER	CALIBRATION GPM	LPM	ADAPTER SIZE
F-451001GHN	4 to 40	7 to 70	1" F/NPT
F-451001GHN-24	4 to 40	7 to 70	1-1/2" F/NPT
F-451002GHN	8 to 80	14 to 140	1" F/NPT
F-451002GHN-24	8 to 80	14 to 140	1-1/2" F/NPT



HIGH CAPACITY F-452N SERIES

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.

F-452N 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..... $\pm 2\%$
 Meter Body Material..... Polysulfone
 Union Nuts..... Glass fiber reinforced Nylon
 Guide Rod Material..... 316 Stainless Steel
 Options: Hastelloy C-276
 O-Ring Material..... Viton®; Options: EPDM
 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 U.S. GPM
 8 to 675 LPM
 4 to 240 SCFM
 7 to 400 M3/Hr

F-452 ORDERING GUIDELINES

MODEL NUMBER	DUAL SCALE RANGE GPM	LPM	ADAPTER SIZE
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

Models calibrated for Air

MODEL NUMBER	DUAL SCALE RANGE SCFM	M3/hr	ADAPTER SIZE
F-452040GHN	4 to 40	7 to 67	2" F/NPT
F-452250GHN	40 to 240	70 to 400	2" F/NPT

* Viton® is a registered trademark of DuPont.

* 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.

ECONOMIC F-440 SERIES

F-440 BENEFITS

- Now with Adjustable Flow Indicating Marker.
- Increased meter body wall thickness.
- Reengineered, larger half union connections.
- Oversized o-rings for Superior seal.
- All wetted parts are now 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, Teflon or PVC float. (Optional K-series Hastelloy C-276 or PVC).
- Not recommended for direct sunlight.

F-440 SPECIFICATIONS

Max. Working Pressure 150 psig (10.3 bar) @ 70°F (21°C)
 Max. Fluid Temperature 212°F (100°C) @ 0 PSI
 Models with PVC Float .. 130°F (54°C) @ 0 PSI
 Full Scale Accuracy +/- 5%
 Meter Body Material Polysulfone
 Adapter Material Polysulfone
 O-Ring Material Viton®
 Max. Pressure Drop 2 psi
 Approx. Shipping Weight... 1/2lb. (.23 kg)

F-440 ORDERING GUIDELINES

STANDARD LIQUID MODELS

MODEL NUMBER	Pipe Size M/NPT	DUAL SCALE RANGE GPM	LPM	Float Material
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

MODEL Variations

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

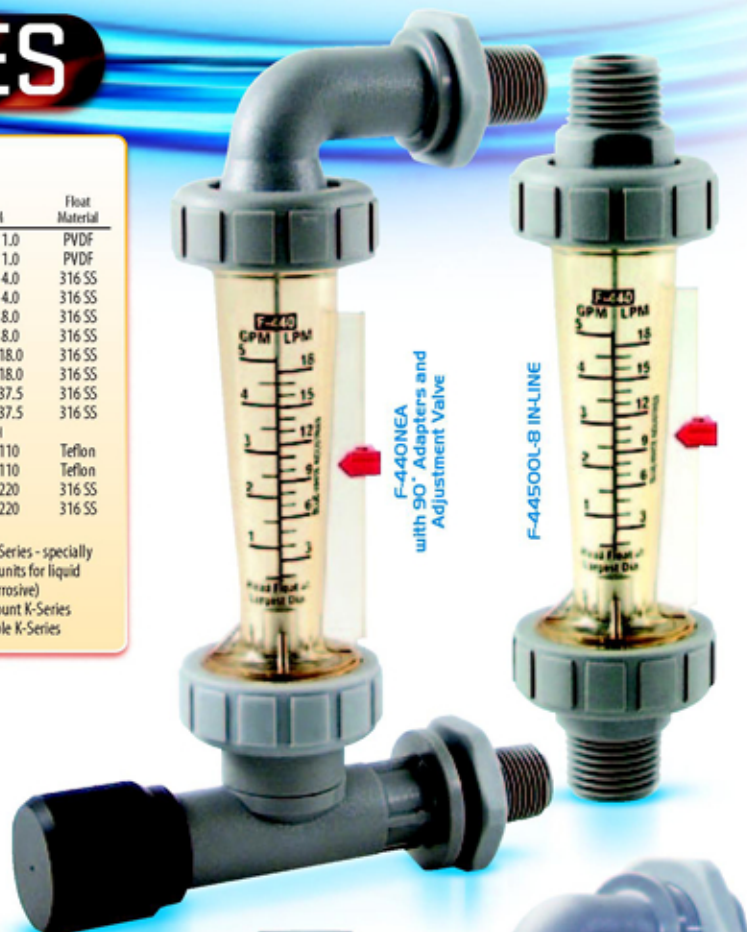
*LK = In-Line K-Series - specially equipped units for liquid (highly corrosive)
 *LKE = Panel Mount K-Series
 *LKA = Adjustable K-Series

PIPE SIZES

3/8" F/NPT; 1/2", 3/4" M/NPT

FLOW RATES

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



VERSATILE F-450N SERIES

F-450N BENEFITS

- Now with Adjustable Flow Indicating Marker.
- Increased meter body wall thickness.
- Reengineered, larger half union connections.
- Oversized o-rings for Superior seal.
- All wetted parts are now 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 Teflon float. (Optional K-series Hastelloy C-276 or Teflon).
- Available OEM options: Private labeling, custom calibrations, custom materials.
- Not recommended for direct sunlight.

F-450N SPECIFICATIONS

Max. Working Pressure 150 psig (10.3 bar) @ 70°F (21°C)
 Max. Fluid Temperature 212°F (100°C) @ 0 PSI
 Models with PVC Float .. 130°F (54°C) @ 0 PSI
 Full Scale Accuracy +/- 5%
 Meter Body Material Polysulfone
 Adapter Material Polysulfone
 O-Ring Material Viton®
 Max. Pressure Drop 2 psi
 Approx. Shipping Weight... 1/2lb. (.23 kg)

PIPE SIZES

3/8" F/NPT; 1/2", 3/4" M/NPT

FLOW RATES

0.1 to 10 U.S. GPM
 4 to 40 LPM
 1 to 48 SCFM
 2 to 80 M3/Hr

F-450N ORDERING GUIDELINES

STANDARD LIQUID MODELS

MODEL NUMBER	Pipe Size	DUAL SCALE RANGE GPM	LPM	Float Material
F-45375(*)-6	3/8" F/NPT	.1 to 1	.4 to 4	Teflon
F-45375(*)-8	1/2" M/NPT	.1 to 1	.4 to 4	Teflon
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

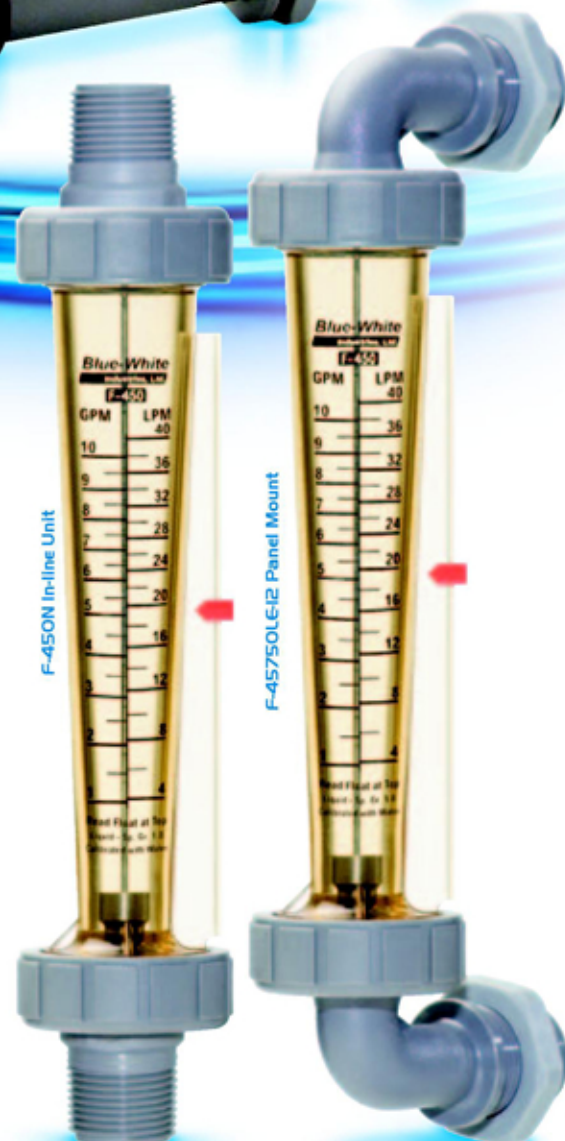
STANDARD AIR MODELS

MODEL NUMBER	Pipe Size	DUAL SCALE RANGE GPM	LPM	Float Material
F-45376G-6	3/8" F/NPT	1 to 12	2 to 20	316 SS
F-45376G-8	1/2" M/NPT	1 to 12	2 to 20	316 SS
F-45750G-12	3/4" M/NPT	4 to 48	8 to 80	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



F-460 & F-461 SERIES with



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..... Teflon
 O-ring Seals..... Viton®
 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", 3/4", and 1" F/NPT

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

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

F-461 FLOW RATES

1 to 35 U.S. GPM
 4 to 130 LPM

F-461 DIMENSIONS

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

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"

Butt Fusion & Socket Fusion Fittings



Available for F-460 and F-461
 Polypropylene or PVDF Butt Fusion & Socket Fusion Fittings for ULTRA PURE APPLICATIONS

F-462 SERIES with RIB GUIDED FLOAT

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..... Teflon
 O-ring Seals..... Viton®
 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 80 GPM
 8 to 30 LPM

F-462 ORDERING GUIDELINES

STANDARD F-462 LIQUID MODELS with 2" F/NPT Adapters

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

STANDARD F-462 LIQUID MODELS with 2" Socket Fusion Adapters

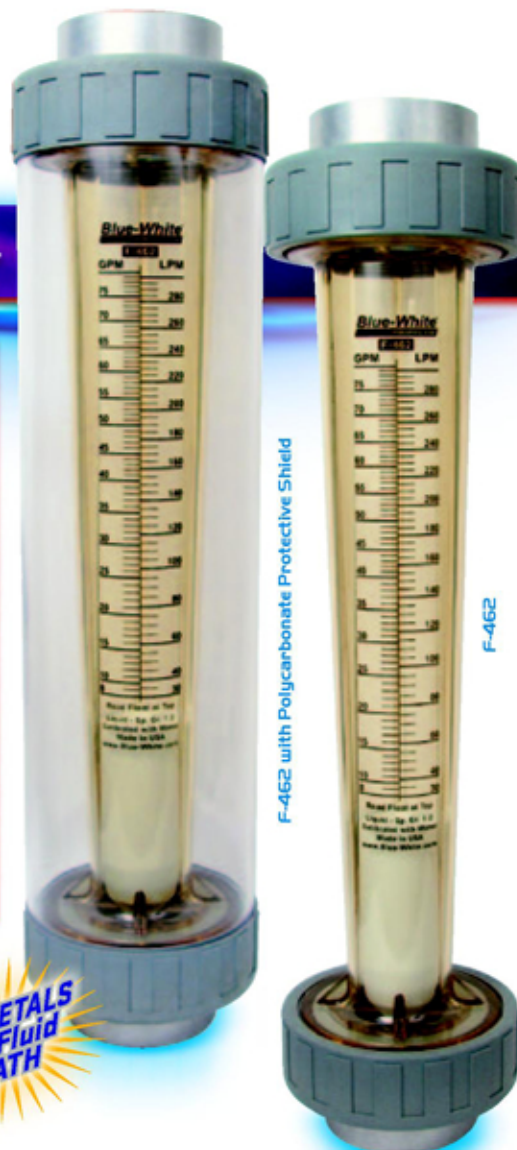
MODEL NUMBER	Pipe Size	DUAL SCALE RANGE GPM	LPM	Adapter Material	Float Material
F-462200LX-33G	2" S.F.	2 to 20	8 to 80	Polypropylene	Teflon
F-462500LX-33G	2" S.F.	5 to 50	20 to 200	Polypropylene	Teflon
F-462800LX-33G	2" S.F.	8 to 80	30 to 300	Polypropylene	Teflon
F-462200LX-33K	2" S.F.	2 to 20	8 to 80	PVDF	Teflon
F-462500LX-33K	2" S.F.	5 to 50	20 to 200	PVDF	Teflon
F-462800LX-33K	2" S.F.	8 to 80	30 to 300	PVD	Teflon

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

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

MODEL Variations

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



F-462 with Polycarbonate Protective Shield

F-462

Butt Fusion & Socket Fusion Fittings

Available for F-462

Polypropylene or PVDF Butt Fusion & Socket Fusion Fittings for ULTRA PURE APPLICATIONS