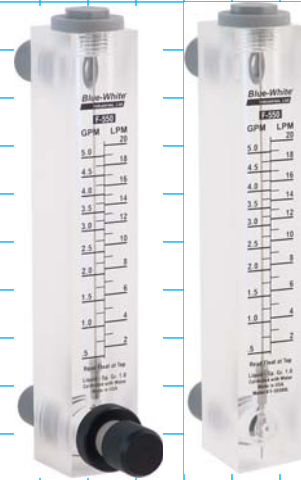


# F-550

**Panel Mount**

**Needle Valve Adjustment**



### Features:

- Durable, highly polished, one piece meter body.
- Bulkhead nuts attach directly to inside panel.
- Direct reading permanent scale.
- White back reflector for easy reading.
- Optional flow control needle-type adjustment valve.
- 316 stainless, PTFE or Hastelloy floats and float guides.
- Acceptable in direct sunlight applications.

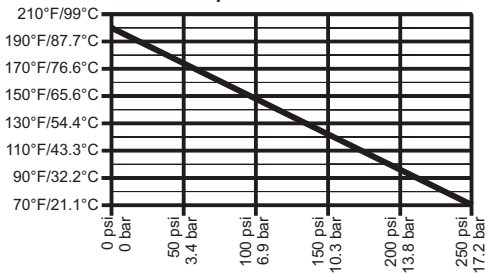
### Materials of Construction:

- Meter Body: .....Acrylic
- Adapters/valve: .....Polypropylene
- Bulkhead Nuts (non wet):.....Polypropylene
- Guide Rod Holder: .....Polysulfone
- O-ring seals: .....Viton® (optional EP)
- Float: .....316SS, Hastelloy or PTFE (per model)
- Guide Rod:
  - Standard Series .....316SS

### Specifications:

- Max. working pressure:.....250 PSI (17.2 bar) @ 70°F (21° C)
- Max. fluid temperature:.....200°F (93°C) @ 0 PSI
- Full scale accuracy:.....+/- 5%
- Calibration fluid:.....Water, specific gravity 1.0
- Scale length:.....4" (100mm) approx.
- Environment:.....Acceptable for direct sunlight exposure.
- Approximate shipping wt: ...2 lb. (.91 kg)

Maximum Temperature vs. Pressure



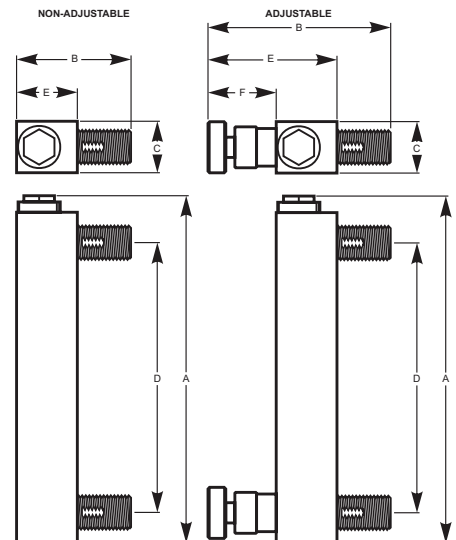
### Dimensions:

#### NON-ADJUSTABLE models

Model #	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"	11/16"
F-55376L (3/8")	8-3/8"	2-3/4"	1-11/32"	6-1/2"	1-1/2"	11/16"
F-55500L (1/2")	8-3/8"	2-3/4"	1-11/32"	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-55005L (1")	10-5/8"	4"	1-3/4"	8"	2"	1-21/64"
F-55010L (1")	10-5/8"	4"	1-3/4"	8"	2"	1-21/64"
F-55015L (1")	10-5/8"	4"	1-3/4"	8"	2"	1-21/64"
F-55200L (1")	10-5/8"	4"	1-3/4"	8"	2"	1-21/64"

#### Models with ADJUSTABLE VALVE

Model #	A	B	C	D	E	F	Mount Hole
F-55250LA (1/4")	7-1/4"	3-7/16"	1"	5-5/8"	2-7/16"	1-11/32"	9/16"
F-55375LA (3/8")	8-3/8"	4-1/2"	1-11/32"	6-1/2"	3-1/4"	1-3/4"	11/16"
F-55376LA (3/8")	8-3/8"	4-1/2"	1-11/32"	6-1/2"	3-1/4"	1-3/4"	11/16"
F-55500LA (1/2")	8-3/8"	4-1/2"	1-11/32"	6-1/2"	3-1/4"	1-3/4"	7/8"
F-55750LA (3/4")	9"	5-1/2"	1-1/2"	6-1/2"	3-1/4"	15/16"	1-1/16"
F-55010LA (1")	10-5/8"	5-1/4"	1-3/4"	8"	3-1/2"	17/16"	1-21/64"
F-55015LA (1")	10-5/8"	5-1/4"	1-3/4"	8"	3-1/2"	17/16"	1-21/64"
F-55200LA (1")	10-5/8"	5-1/4"	1-3/4"	8"	3-1/2"	17/16"	1-21/64"



### Installation Requirements:

#### 1. Misalignment will damage the meter!

Flowmeter must be installed in an exact vertical plane to ensure accuracy. Be certain of proper plumbing alignments. Misalignment may cause the o-ring seals to leak. The meterbody material can be damaged by UV rays. **Do not install in direct sunlight.**

#### 2. Pipe dope and glue will damage the meter!

Use only PTFE<sup>®</sup> tape on the threaded adapters. The meter body and plastic fittings cannot tolerate PVC Glue and/or pipe dope. Even fumes can cause severe damage. If you are installing your flowmeter to a glued pipe configuration, install the flowmeter *after* all glued fittings are dried and lines are purged of all fumes. **Never** hold the meter body with pliers or like tools. Union nuts should be hand tightened only. **DO NOT OVER-TIGHTEN!**

#### 3. Vibration and heavy loads will damage the meter!

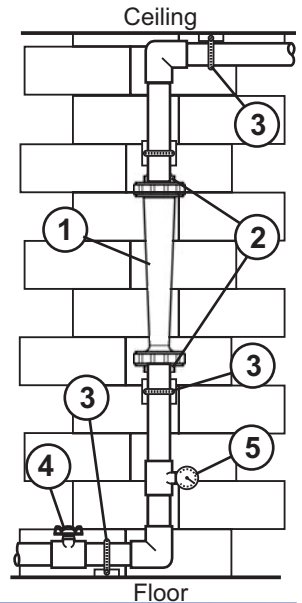
Wall, floor and ceiling mounts and supports must be carefully aligned with the meter body and sturdy enough to support the plumbing and prevent vibration. Never allow the flowmeter to support the weight of related piping.

#### 4. Solenoid valves will damage the meter!

**Avoid a system that will impose a sudden burst of flow to the meter.** Such a burst will cause the float to impact the float stop with destructive force. Solenoid valves, or other quick opening valves cannot be used unless meter is protected against sudden bursts of flow.

#### 5. High pressures and temperatures will damage the meter!

The maximum acceptable temperature and pressure is interdependent. The maximum acceptable working pressure is dependant on the actual fluid temperature. The maximum acceptable fluid temperature is dependant on the actual working pressure. (see Temperature Vs. Pressure chart).



### Flow Range and Model Options:

#### Standard Series - Equipped with 316 SS guide rod

Pipe M/NPT	Dual Scale Range		Material	NON- ADJUSTABLE MODEL NUMBER	WITH ADJUSTABLE VALVE MODEL NUMBER
	GPM	LPM			
1/4"	.025 to .250	0.1 to 1.0	316 SS	F-55250L	F-55250LA
3/8"	0.1 to 1.0	0.4 to 4.0	316 SS	F-55375L	F-55375LA
3/8"	0.2 to 2.0	0.75 to 7.5	316 SS	F-55376L	F-55376LA
1/2"	0.5 to 5.0	2.0 to 20.0	316 SS	F-55500L	F-55500LA
3/4"	1.0 to 10.0	4.0 to 40.0	316 SS	F-55750L	F-55750LA
1"	1.0 to 5.0	3.0 to 18.0	PTFE	F-55005L	not available
1"	1.0 to 10.0	4.0 to 40.0	316 SS	F-55010L	F-55010LA
1"	1.0 to 15.0	5.0 to 60.0	316 SS	F-55015L	F-55015LA
1"	2.0 to 20.0	7.5 to 75.0	316 SS	F-55200L	F-55200LA

#### K-Series - Equipped with Hastelloy guide rod

K-Series models are specially equipped for highly corrosive applications.

Material	NON- ADJUSTABLE MODEL NUMBER	WITH ADJUSTABLE VALVE MODEL NUMBER
	Hastelloy	F-55250LK
Hastelloy	F-55375LK	F-55375LKA
Hastelloy	F-55376LK	F-55376LKA
Hastelloy	F-55500LK	F-55500LKA
Hastelloy	F-55750LK	F-55750LKA
PTFE	F-55005LK	not available
Hastelloy	F-55010LK	F-55010LKA
Hastelloy	F-55015LK	F-55015LKA
Hastelloy	F-55200LK	F-55200LKA

Note: Meters calibrated with water, Sp.Gr. 1.0. Custom Sp.Gr. calibrations available. Contact the factory.