

### 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.

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

Use only Teflon® 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. **DO NOT OVER-TIGHTEN!**

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

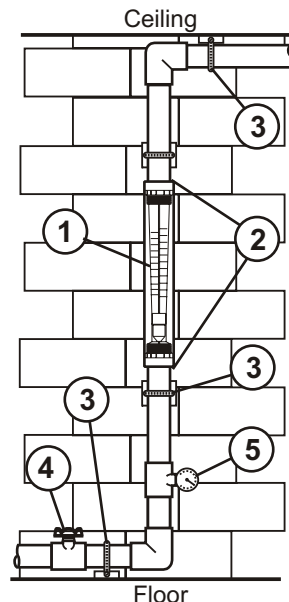
Wall, floor and ceiling mounts and supports must be carefully aligned with the meter body and sturdy enough to support the plumbing and prevent vibration. Never allow the flowmeter to support the weight of related piping.

#### 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

#### Models for Liquid

MODEL NUMBER	Dual Scale Range		Adapter F/NPT	Adapter Material	Float Material
	GPM	LPM			
F-40250LN-4	0.025 to 0.250	0.1 to 1.0	1/4"	PVC	PVC
F-40250LN-6	0.025 to 0.250	0.1 to 1.0	3/8"	Polypropylene	PVC
F-40050LN-4	0.050 to 0.500	0.2 to 2.0	1/4"	PVC	316 SS
F-40050LN-6	0.050 to 0.500	0.2 to 2.0	3/8"	Polypropylene	316 SS
F-40375LN-6	0.1 to 1.0	0.4 to 4.0	3/8"	Polypropylene	PVC
F-40375LN-8	0.1 to 1.0	0.4 to 4.0	1/2"	Polypropylene	PVC
F-40376LN-6	0.2 to 2.0	1.0 to 7.5	3/8"	Polypropylene	316 SS
F-40376LN-8	0.2 to 2.0	1.0 to 7.5	1/2"	Polypropylene	316 SS
F-40377LN-6	0.3 to 3.0	1.5 to 11	3/8"	Polypropylene	316 SS
F-40377LN-8	0.3 to 3.0	1.5 to 11	1/2"	Polypropylene	316 SS
F-40500LN-6	0.5 to 5.0	2.0 to 20	3/8"	Polypropylene	316 SS
F-40500LN-8	0.5 to 5.0	2.0 to 20	1/2"	Polypropylene	316 SS

#### Models for Air

MODEL NUMBER	Dual Scale Range		Adapter F/NPT	Adapter Material	Float Material
	SCFM	M <sup>3</sup> HR			
F-40250GN-4	0.20 to 2.0	0.4 to 3.2	1/4"	PVC	PVC
F-40250GN-6	0.20 to 2.0	0.4 to 3.2	3/8"	Polypropylene	PVC
F-40376GN-6	0.75 to 7.5	1.0 to 10	3/8"	Polypropylene	316 SS
F-40376GN-8	0.75 to 7.5	1.0 to 10	1/2"	Polypropylene	316 SS
F-40377GN-6	1.0 to 12	2.0 to 20	3/8"	Polypropylene	316 SS
F-40377GN-8	1.0 to 12	2.0 to 20	1/2"	Polypropylene	316 SS
F-40500GN-6	2.0 to 20	4.0 to 34	3/8"	Polypropylene	316 SS
F-40500GN-8	2.0 to 20	4.0 to 34	1/2"	Polypropylene	316 SS

#### K-Series

- Equipped with Hastelloy guide rod

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

#### Models for Liquid

MODEL NUMBER	Dual Scale Range		Adapter F/NPT	Adapter Material	Float Material
	GPM	LPM			
F-40250LK-4	0.025 to 0.250	0.1 to 1.0	1/4"	PVC	PVC
F-40250LK-6	0.025 to 0.250	0.1 to 1.0	3/8"	Polypropylene	PVC
F-40050LK-4	0.050 to 0.500	0.2 to 2.0	1/4"	PVC	Hastelloy
F-40050LK-6	0.050 to 0.500	0.2 to 2.0	3/8"	Polypropylene	Hastelloy
F-40375LK-6	0.1 to 1.0	0.4 to 4.0	3/8"	Polypropylene	PVC
F-40375LK-8	0.1 to 1.0	0.4 to 4.0	1/2"	Polypropylene	PVC
F-40376LK-6	0.2 to 2.0	1.0 to 7.5	3/8"	Polypropylene	Hastelloy
F-40376LK-8	0.2 to 2.0	1.0 to 7.5	1/2"	Polypropylene	Hastelloy
F-40377LK-6	0.3 to 3.0	1.5 to 11	3/8"	Polypropylene	Hastelloy
F-40377LK-8	0.3 to 3.0	1.5 to 11	1/2"	Polypropylene	Hastelloy
F-40500LK-6	0.5 to 5.0	2.0 to 20	3/8"	Polypropylene	Hastelloy
F-40500LK-8	0.5 to 5.0	2.0 to 20	1/2"	Polypropylene	Hastelloy

#### Correction factor formulas for AIR models

##### PRESSURE CORRECTION

$$\sqrt{\frac{14.7 + \text{Working PSIG}}{14.7}}$$

##### TEMPERATURE CORRECTION

$$\sqrt{\frac{520}{460 + \text{Working Temp } ^\circ\text{F}}}$$

Notes:

1) Liquid models calibrated with water, Sp.Gr. 1.0. Custom Sp.Gr. calibrations available. Contact the factory.

2) Air models calibrated at standard Conditions (70°F @ 14.7 PSia). Temperature and pressure correction may be required. Contact the factory for custom calibrations.