

GAS PROPORTIONING ROTAMETERS

Back Pressure Compensated

FL-1GP Series
Starts at

\$426

Complete Assemblies



- ✓ **±2%FS Accuracy**
- ✓ **Back Pressure Compensated for Accurate Blending—Up to 50 psi Only**
- ✓ **Blend Up to Three Gases**
- ✓ **Save on Cost of Custom Gas Mixtures**
- ✓ **Vary Concentrations with Operating System**
- ✓ **For Use with 150 mm Flow Tubes**
- ✓ **Bench Mount Tripod Base Optional**
- ✓ **Standard 6-Turn Valves or Precision 16-Turn Valves Available**

To blend two or three gases in homogeneous infinitely variable concentrations, directly at the end use point, these rotameters are unsurpassed in convenience and economy. Gas proportioning rotameters pay for themselves in a short period of time since their use eliminates the need for expensive custom blended gas mixtures from outside sources. This series of rotameters lend flexibility and economy to the efficient utilization of component gas cylinders and piped in supply lines. Another significant advantage in laboratory use is the freedom to reproducibly increase or decrease concentrations during the course of an experiment.

The flowrates of component gases are not affected by downstream pressure variations as long as back pressures do not exceed or approach the input pressure.

SPECIFICATIONS

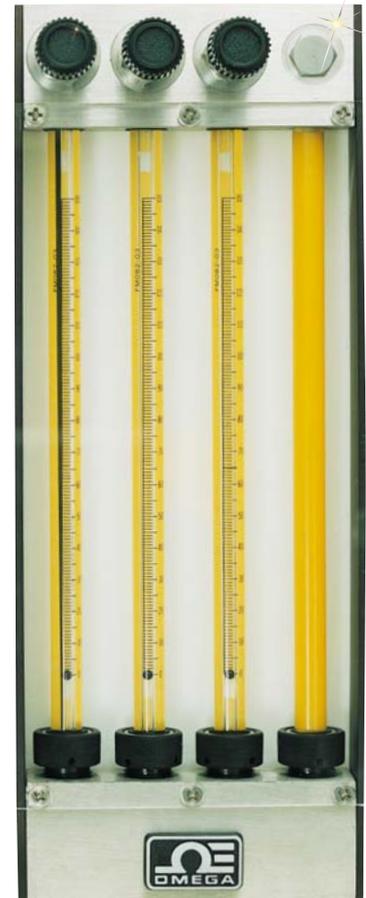
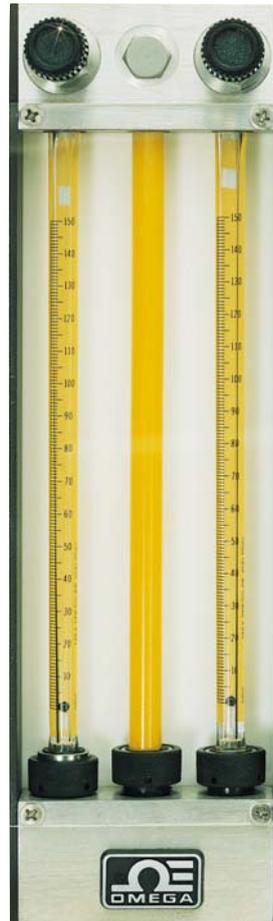
Accuracy: ±2% FS, from 10% to 100% of scale

Repeatability: ±0.25% FS

Max Pressure: 200 psig

Max Temperature: 250°F (180°F for water)

Flow Tube: Borosilicate glass



Shown smaller than actual size.

End Fittings: Black and anodized aluminum or 316 SS

Packing and O-Rings:

Buna in aluminum models, FKM-A in 316 SS models

Side Panels: Black anodized aluminum

Connections: 1/8 FNPT

CUSTOM BUILT TO ORDER!

To Order (Specify Model Number)

For Two Tubes

Model No.	Price	Valve Type	End Fittings
FL-1GP-(*)-(*)	\$294	Standard	Aluminum
FL-2GP-(*)-(*)	345	Precision	Aluminum
FL-3GP-(*)-(*)	482	Standard	316 SS
FL-4GP-(*)-(*)	541	Precision	316 SS

For Three Tubes

FL-5GP-(*)-(*)-(*)	\$377	Standard	Aluminum
FL-6GP-(*)-(*)-(*)	483	Precision	Aluminum
FL-7GP-(*)-(*)-(*)	629	Standard	316 SS
FL-8GP-(*)-(*)-(*)	818	Precision	316 SS
FW-337	92	Reference Book: Industrial Flow Measurement	

Comes complete with air correlation sheet for each tube and operator's manual.

* Select the desired 150 mm flow tube from those listed on page B-34. Delete the FLT-prefix and insert the remaining suffix from the flow tube into the model numbers above.

† For NIST calibration, add suffix “-NIST AIR” to model number and \$225 per tube, per gas, per float to the price. Add suffix “-NIST WATER” to model number and \$275 per tube to the price.

Ordering Example: FL-5GP-61G-41SA-03C calls out a 3 tube gas proportioner with standard valves and aluminum end fittings with tubes FLT-61G, FLT-61ST, and FLT-03C installed, \$377 + 66 + 66 + 66 = \$575.

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

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• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters