

GAS PROPORTIONING VARIABLE AREA FLOW METER

Back Pressure Compensated

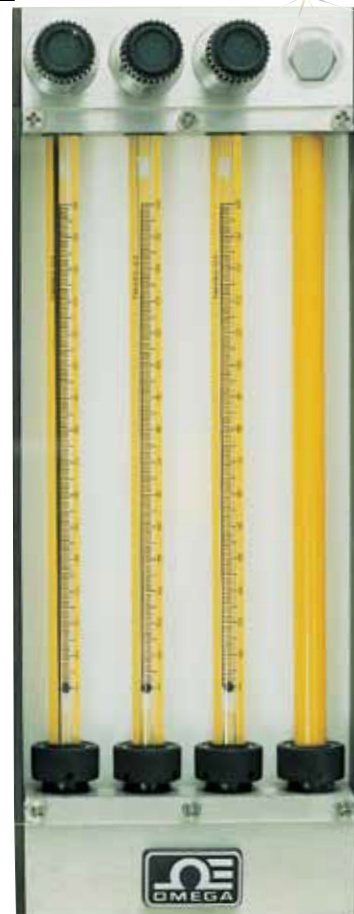
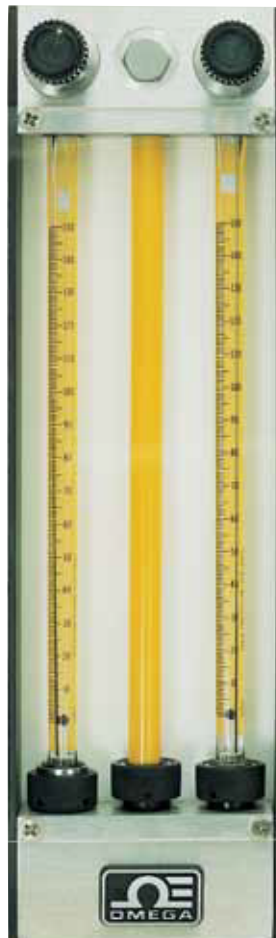
FL-1GP Series



Optional

- ✓ ±2% Full Scale 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 variable area flow meter are unsurpassed in convenience and economy. Gas proportioning variable area flow meter 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 variable area flow meter 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.



Shown smaller than actual size.

SPECIFICATIONS

Accuracy: ±2% full scale, from 10% to 100% of scale
Repeatability: ±0.25% full scale
Maximum Pressure: 200 psig
Maximum Temperature: 250°F (180°F for water)
Flow Tube: Borosilicate glass

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: ½ FNPT

CUSTOM BUILT TO ORDER!

To Order		
For Two Tubes		
Model No.	Valve Type	End Fittings
FL-1GP-(*)-(*)	Standard	Aluminum
FL-2GP-(*)-(*)	Precision	Aluminum
FL-3GP-(*)-(*)	Standard	316 SS
FL-4GP-(*)-(*)	Precision	316 SS
For Three Tubes		
FL-5GP-(*)-(*)-(*)	Standard	Aluminum
FL-6GP-(*)-(*)-(*)	Precision	Aluminum
FL-7GP-(*)-(*)-(*)	Standard	316 SS
FL-8GP-(*)-(*)-(*)	Precision	316 SS

Comes complete with air correlation sheet for each tube and operator's manual.
 * Select the desired 150 mm flow tube from those listed online. 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" or "-NIST WATER" to model number, for additional cost.
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-41SA and FLT-03C installed.