

GAS PROPORTIONING ROTAMETERS

Back Pressure Compensated

FL-1GP Series
Starts at

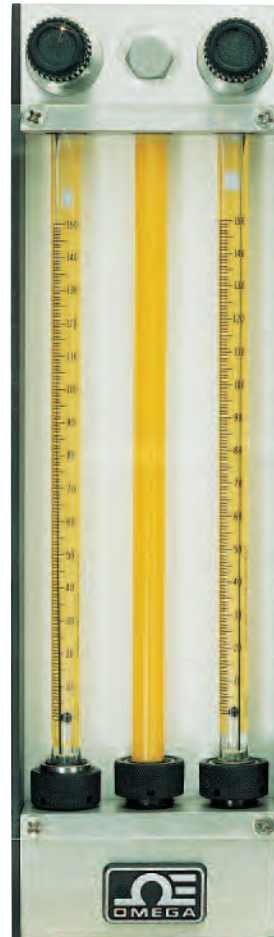
\$426

Complete Assemblies



Optional †

- ✓ ±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



Shown smaller than actual size.

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

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.	Frame Price	Valve Type	End Fittings
FL-1GP-(*)-(*)	\$286	Standard	Aluminum
FL-2GP-(*)-(*)	337	Precision	Aluminum
FL-3GP-(*)-(*)	474	Standard	316 SS
FL-4GP-(*)-(*)	533	Precision	316 SS
For Three Tubes			
FL-5GP-(*)-(*)-(*)	\$365	Standard	Aluminum
FL-6GP-(*)-(*)-(*)	471	Precision	Aluminum
FL-7GP-(*)-(*)-(*)	617	Standard	316 SS
FL-8GP-(*)-(*)-(*)	806	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 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-41SA and FLT-03C installed, \$365 + 70 + 70 + 70 = \$575.



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