

ACME MODEL FMP-350

Flow Meter on Panel, Variable Ratio Gas Blender

The FMP-350 Gas Blender is designed to mix two or more non-reactive gas streams and achieve accuracy to within +/- 2% of its components. This unit is best utilized for low pressure/low flow and explosion proof applications.

Supply gas streams are monitored by built-in flowmeters, each equipped with an integral flow controller. Since accurate mixing depends on constant fixed flows at the flowmeters, varying blended gas demands must be met by the use of an accumulator or surge tank. By varying the flow rates, blends may be obtained in numerous varieties until the limits of the flowmeters are reached. The unit is equipped with direct reading scales to simplify blending.

Although pressure downstream of the blender may vary, the gas flow controllers maintain constant flows through the meter. Constant pressure is achieved by regulating the upstream flows.

Once the desired proportions are established, the FMP-350 will assure consistent blends on a start-stop basis.



Specifications

Flow Capacity	0-350 SCFH (flowmeter/gas dependent)
Inlet Pressure	0-200 PSIG
Outlet Pressure	0-150 PSIG
Accuracy	± 2% (60-80°F)
Connections	
Supply Gas Inlets	3/8" FNPT
Blend Outlet	3/4" FNPT
Surge Vessel Size	30 gallon, painted carbon steel
Weight	140 lbs
Dimensions	60 1/2"H x 14 1/2"W x 14 1/2"D
Controls	Automatic actuated by supply gases (Regulating gas to blender is customer's responsibility)

Features

- Brass Construction with Carbon Steel Tank
- All Pneumatic (non-electric) Controls Suitable for Use in Class 1, Division II Hazardous Locations
- Visual Flowmeters for Component Gases
- Weatherproof
- Construction to Mix 2,3 or 4 Component Blends

Optional Equipment

The Model FMP-350 Gas Blender is fully customizable.

Contact Acme for additional options

- Automatic Shutdown Feature
- Inlet Filters/Regulators
- Dust Cover Enclosure