

ACME MODEL CF-1200 AR

Constant Flow Adjustable Ratio Gas Blender

Engineered for on-site gas blending, the Modal CF-1200AR gas blender will mix two or more non-reactive gas streams and achieve accuracy within +2% of the minor gas component.

The model CF-1200AR gas blender uses orifices and needle valves to control flow. Since accurate mixing depends on constant, fixed flows at the orifice and needle valve, the CF-1200AR gas blender is equipped with an accumulator or surge tank. As the gas in the tank is depleted, the pressure drops to a pre-determined level where constant flow blending automatically begins. When the higher pressure level is achieved, the unit automatically shuts off until the cycle is repeated.

Based on system demands, the model CF-1200AR gas blender can be custom sized and built to deliver a wide range of flow rates. This blender is equipped with inlet filters and pressure regulators, and can also be built with an automatic shutdown feature. This gas blender can be supplied with dual orifices for fixed ratio blending.

If large laboratory requirements for gas mixtures are anticipated, users should consider the CF-1200AR, as significant cost savings may be realized.



Specifications

Flow Capacity	0-4000 SCFH
Inlet Pressure	100-150 PSIG
Outlet Pressure	5-50 PSIG
Accuracy	±2% (60-80°F)
Inlet Connection	¾" FNPT connection
Outlet Connection	¾" FNPT connection
Surge Vessel Size	80 gallons, painted carbon steel
Weight	350 lbs
Dimensions	63"H x 36"W x 24"D
Min. Ambient and Process Operating Temperature	0°F
Max. Ambient and Process Operating Temperature	120°F

Features

- All Pneumatic Controls Suitable for Use in Class 1, Division II Hazardous Locations
- Weatherproof (from 0-120°F)
- ± ½% Blend Concentration Repeatability
- Continuous or Intermittent Blended Gas Delivery Flow

Optional Equipment

- Fixed Ratio (FR)
- Automatic Shutdown (optional)