

Two-Gas PROPORTIONAL GAS BLENDERS

Description: These Two-Gas Blenders with a capacity to blend up to 700 SCFH are used to blend gases used for controlled and modified atmospheric packaging of food products. These blenders eliminates the need for premixed gases. Blending gases eliminates the percent variations found in premixed gases. Lower cost individual gases can be blended to specific percentages for the product being packaged. Controlling the blended gases will result in lower cost and more flexibility in your packaging process. On-site gas blending eliminates the need to change cylinders, regulators, flowmeters, and hoses when changing from one mixture percentage to another. Changing the percentage setting is accomplished by the simple movement of a dial. On-site gas blending also eliminates gas separation just prior to use and also eliminates gas stratification or separation that can occur when premixed cylinders are allowed to stand for periods of time before use. The blender will automatically shut down if any one of the incoming gases fall below a certain pressure level. This eliminates the possibility of operating with only one gas. Our gas blender is easy to install and operate – there are no electrical connections. It is a completely mechanical device that is adjusted by simply turning a dial. This makes quick and easy percent mixture changes possible. Tamper resistant, these blenders have a transparent Lexan™ door to protect the dial from accidental movement. This also allows the operator to monitor the setting.

Note: The photos in this catalog depict examples of food products that may be packaged using the CAP/MAP process. Not all of the food products shown were packaged using these processes or the Airgas blender.

Design Features

- Select from a variety of gas percentages to meet your packaging needs
- Mixtures are maintained with any selected proportion with no gas separation
- Mixture accuracy is unaffected when inlet pressure remains within specified limits
- Reduced set-up time eliminates the need for premixed gases
- Ideal for mixture development for food packaging
- Laboratory and research applications
- Easy to operate

PPLC Fully Automatic

GAS BLENDERS



Proportional - Two-Gas Blender - 700 SCFH/330 LPM

Specifications	
Inlet Pressure Minimum	105 PSIG
Inlet Pressure Maximum	115 PSIG
Inlet Pressure Minimum	7.23 Bar
Inlet Pressure Maximum	7.92 Bar
Outlet Pressure, Factory Set At No Flow	80 PSIG, 5.5 Bar
Flow Rate	20-700 SCFH, 9.4-330 LPM
Inlet Connection	¼" NPT
Outlet Connection	½" NPT
Inlet Filters, Blender Protection Only PN: 803	60 Micron Nominal
Case Material	304 Stainless Steel
Weight	17 lbs./7.5 kg
Size (W x D x H)	14" x 11" x 7" (356 mm x 279 mm x 179 mm)

Two-Gas Blender with Automatic Shutdown 700 SCFH/330LM

Stock No.	Gases	Adjustment %Range	Required Inlet Pressure/Gas	Outlet Pressure Without Flow
299-029F	Nitrogen	0-100%	105 to 115 PSIG	80 PSIG
	CO ₂	100-0%	7.3-7.9 Bar	5.5 Bar

Proportional - Three-Gas Blender - 180 SCFH/85 LPM

Specifications	
Inlet Pressure Minimum 105 PSIG Maximum 115 PSIG	7.23 Bar 7.92 Bar
Outlet Pressure, Factory Set At No Flow	50 PSIG, 3.45 Bar
Flow Rate	10-180 SCFH, 4.8-85.7 LPM
Inlet and Outlet Connections	½" NPT RH Internal
Inlet Filters, Blender Protection Only PN: 3291	60 Micron Nominal
Case Material	304 Stainless Steel
Weight	17 lbs./7.5 kg
Size (W x D x H)	14" x 11" x 7" (356 mm x 279 mm x 179 mm)

Three-Gas Blenders with Automatic Shutdown 180 SCFH/85LM

Stock No.	Gases	Adjustment %Range	Required Inlet Pressure/Gas	Outlet Pressure Without Flow
299-037F	Nitrogen	0-100%	105 to 115 PSIG	50 PSIG
	Oxygen	100-0%	7.3-7.9 Bar	3.45 Bar
	CO ₂	100-0%		

Ordering Information

Model	Description	Delivery Pressure
Y11-SLP120(CGA)	brass electronic high purity changeover manifold, 2 cylinder (1x1)	25-200 psig
Y11-SLP140(CGA)	brass electronic high purity changeover manifold, 4 cylinder (2x2)	25-200 psig
Y11-SLP420(CGA)	SS electronic high purity changeover manifold, 2 cylinder (1x1)	25-200 psig
Y11-SLP440(CGA)	SS electronic high purity changeover manifold, 4 cylinder (2x2)	25-200 psig