Airgas
an Air Liquide company

Tri-Mix Blender

Meat Packaging

GAS MIXING SYSTEMS

Description: The Airgas Tri-Mix Blender is designed for customers utilizing carbon monoxide mixtures for meat packaging operations. The mass flow controller based system is capable of producing a 4000 ppm carbon monoxide, 35% carbon dioxide balance nitrogen mixture that is evaluated by an integrated process analyzer.

The blender also features data logging capabilities, a PLC control system and gas detectors. Options such as gas cabinets or outdoor storage buildings for carbon monoxide, changeover manifolds and back-up mass flow controllers are also available.

Specifications	
Mixture Concentrations	Nitrogen 65%, Carbon Dioxide 0-40%, Carbon Monoxide 0-4500 parts per million
Maximum Flow Rate	4000 scfh
Outlet Pressure	150 psi
Analyzer Type	Infrared for CO2 and CO analysis
System Operation	Tank filling (always ready) with flow matching for improved mix accuracy
Mixing method	Mass flow controllers

Design Features

Mass flow controller based mixing for accurate and repeatable blends.
PLC-based controls
Integrated process analyzer to assure important process variables
Automated, weekly calibration to a NIST traceable calibration gas
Data logging of 15 key parameters every 60 seconds
Storage tanks with flow matching capability for improved mix accuracy
Local and remote gas detection capabilities

Gas Mixing Systems

Ordering Information			
Product Number	**Mixture Range**	**Outlet Pressure**	**Maximum Flow**
V89 ES2255	0-4500 ppm carbon monoxide, 0-40% carbon dioxide, 65% nitrogen	150 psi	4000 scfh

Please call 1-800-282-1524 for technical sales and support of this product.