

GAS BLENDING SYSTEMS



650 SERIES AUTOBLEND

The 650 Series AutoBlend allows the end-user to select from seven preset gas blends for welding applications. The blender provides 600 SCFH regardless of the selected blend. The low inlet pressure range maintains accurate mixing tolerances even during the filling of a bulk or micro-bulk supply source.



Advanced Features

Pressure Equalization System

Reduces effects of inlet pressure fluctuations

Seven Gas Blend Choices

Process flexibility

Tamper Resistant Enclosure

Process control

100 - 125 PSIG (7 - 8.5 Bar) Inlet Range

Compatible with a variety of cryogenic sources (liquid cylinder, microbulk, bulk)

MAGNEFLOW™ Technology

Non-electric cycling valve

Gas mix stability under all flow conditions

Low maintenance/simple installation

Applications

Stainless Steel

100% Carbon Dioxide fluxcore wire

Mild Steel

98/2% Carbon Dioxide spray arc thin gauge

92/8% Carbon Dioxide short arc thin gauge

75/15% Carbon Dioxide all position short arc welding

Aluminum

75% Helium/25% Argon high speed welding

Materials

Case

Powder-coated steel

Regulator Bodies

Brass barstock

Regulator Seats

PTFE seat

Inlet and Outlet Fittings

Stainless steel

Specifications

Flow Capacity

600 SCFH (17.0 M³/H)

Inlet Supply Pressure Requirements

100 - 125 PSIG (7 - 8.6 BAR)

Mixed Gas Outlet Pressure

10 - 50 PSIG (.7 - 3.5 BAR)

Inlet/Outlet Connections

½" FNPT

Temperature Range

32°F to 100°F (0°C to 38°C)


Accuracy

±2.5% Carbon Dioxide (under typical conditions)

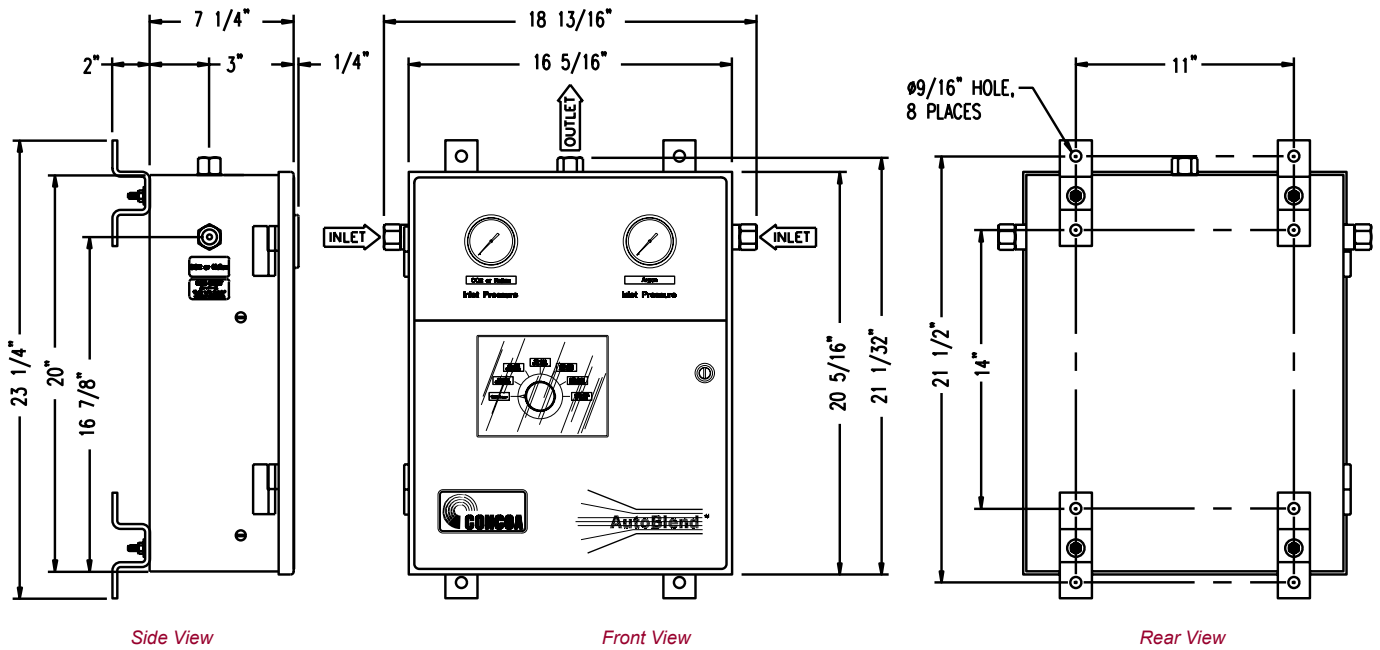
Weight

Net 102 lbs. (46 kg)

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Installation Dimensions



Ordering Information

Series	Gas Combination	Monitoring*	Assembly	-000	
650	1: Selectable • 100% Argon • 98% Argon/2% Carbon Dioxide • 92% Argon/8% Carbon Dioxide • 85% Argon/15% Carbon Dioxide • 75% Argon/25% Carbon Dioxide • 25% Argon/75% Helium • 100% Minor Gas	0: N/A	0: No Alarm 7: Low Pressure Alarm Capable*	1: Wall Mount	

* Remote alarm not included

Related Options

Part Number	Option	Description
575 0025-01-000	Altos 2 Alarm	Provides real-time cylinder pressure, audible and visual notification of a depleted supply bank to a remote location. (See page 46 for full list of options)