

# 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 M<sup>3</sup>/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)

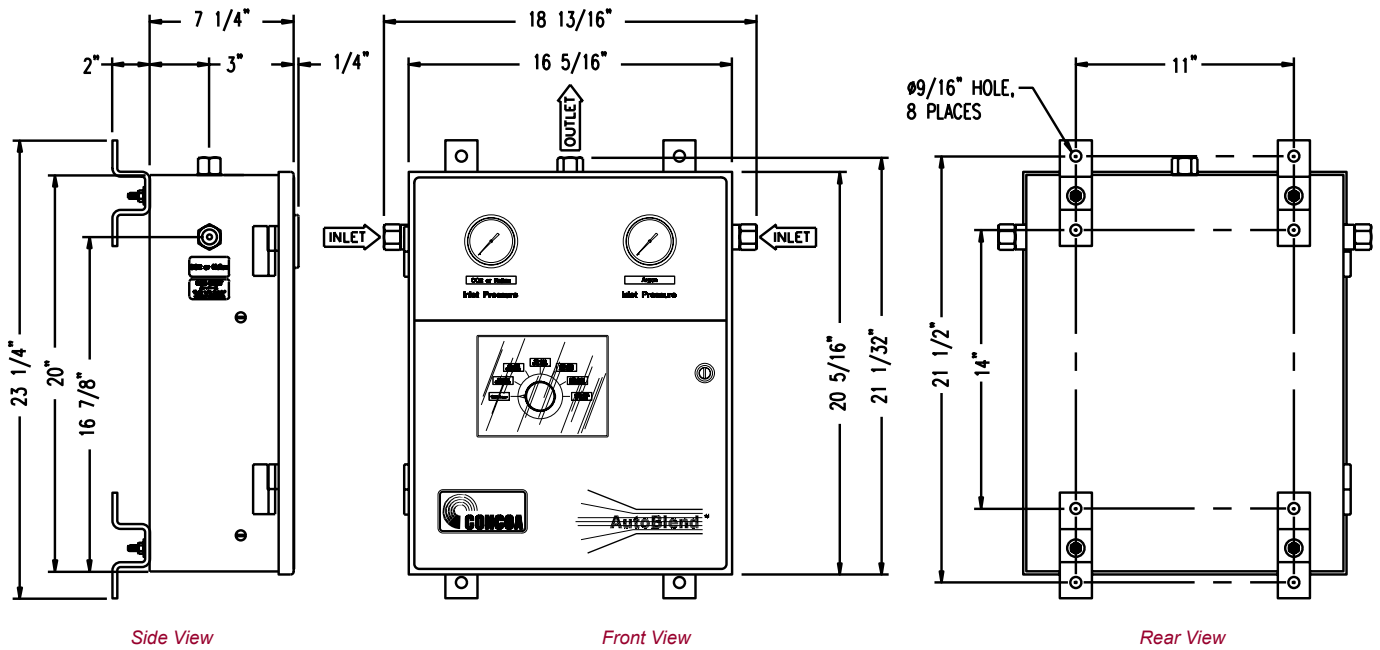
#### Weight

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  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)