

# Gas Blending Systems



## 650 Series AutoBlend



650-1071 shown

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

- **Seven Gas Blend Choices**  
Process flexibility
- **Pressure Equalization System**  
Reduces effects of inlet pressure fluctuations
- **Tamper Resistant Enclosure**  
Process control
- **100 - 125 PSIG (7 - 8.5 BAR) Inlet Range**  
Compatible with a variety of cryogenic sources (liquid can, microbulk, bulk)
- **MAGNEFLOW™ Technology**  
Non-electric cycling valve  
Gas mix stability under all flow conditions  
Low maintenance/Simple installation

### Applications

#### Stainless Steel

100% CO<sub>2</sub> Fluxcore wire

#### Mild Steel

98/2% CO<sub>2</sub> Spray arc thin gauge  
92/8% CO<sub>2</sub> Short Circuit thin gauge  
Spray arc thick material high speed welding  
75/15% CO<sub>2</sub> All position short arc welding

#### Aluminum

75% He/25% Argon  
Thick material high speed welding

### Materials

#### Case

Powder coated steel  
Not designed for use outdoors

### Specifications

#### Flow Capacity

450 SCFH  
(12.74 NM<sup>3</sup>/H)

#### Accuracy\*

±2.5% carbon dioxide  
*\*under typical conditions*

#### Inlet Supply Pressure

100 - 125 PSIG  
(7 - 8.6 BAR)

#### Mixed Gas Outlet Pressure

10 - 45 PSIG  
(.7 - 3.1 BAR)

#### Inlet/Outlet Connections

1/2" Female NPT

#### Ambient Atmosphere and Gas

Supply Temperature  
32°F to 100°F (0°C to 38°C)

#### Weight

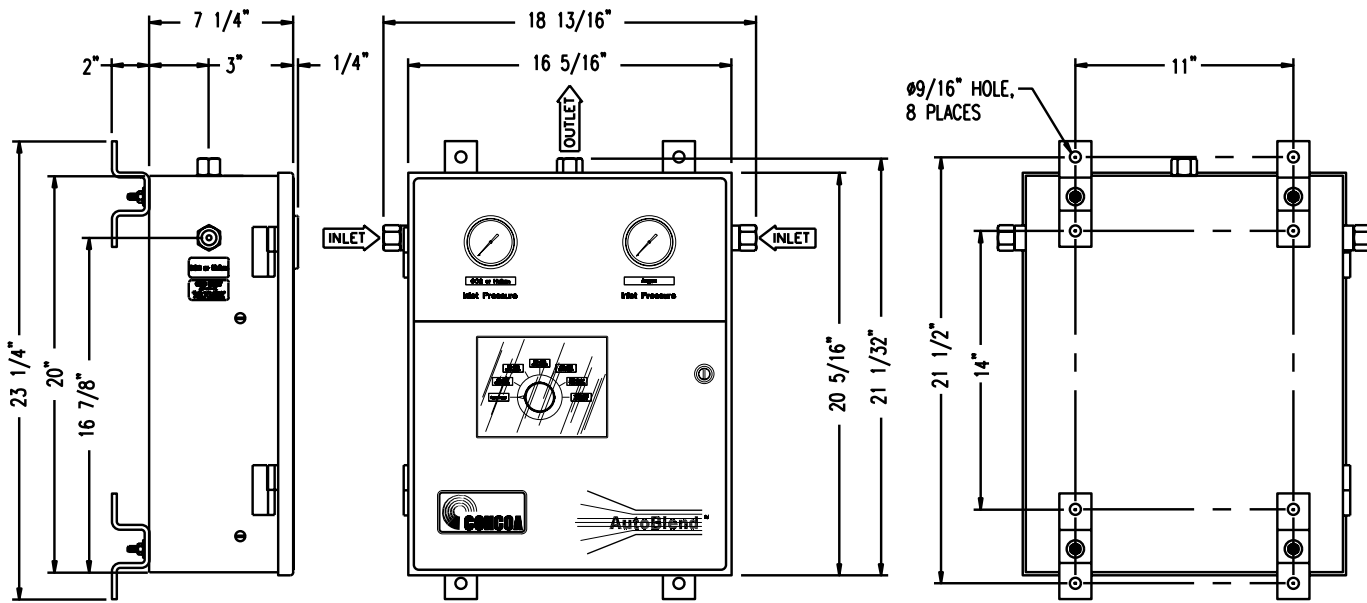
Packed 108 lbs.  
Net 102 lbs.

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## Available Mounting Information for the 650 Series AutoBlend

Gas Blending



Side View

Front View

Rear View

### Ordering Information

A	B	C	D	-000
Series	Gas Combination	Monitoring*	Assembly	
650	1: Selectable • 100% Argon • 98% Argon/2% CO2 • 92% Argon/8% CO2 • 85% Argon/15% CO2 • 75% Argon/25% CO2 • 25% Argon/75% Helium • 100% Minor Gas	0: No Alarm 7: Low Pressure Alarm Capable*	1: Wall Mount	

\* Remote Alarm Not Included

### Related Options

Option	Order Number	Description
Advantium 2 Remote Alarm	529-5106	Provides audible and visual notification of a depleted supply bank to a remote location. (See page 46 for full list of options)
Advantium Monitoring Software	529-5390	Real-time systems monitoring with email or fax notification. (See page 45 for full list of options)

\*Contact CONCOA for availability of analyzer options.