

Gas Blending Systems



652 Series/Blendmaster 1000



652-1301 shown

The BlendMaster 1000 Series mixer precisely blends binary mixtures for the metal fabrication industry. Carbon dioxide, helium and oxygen minor component mixes are consistently delivered to those industrial applications requiring repeatability and control. Available in wall or floor mount and 120 volt or 220 volt configuration, the Blendmaster 1000 delivers the flexibility that yields a low cost of ownership.

Advanced Features

- **Pressure equalization technology**
Maintains mix accuracy under fluctuating supply conditions
- **0-100% Ratio Adjustment ensures 1,000 CFH** for all mixes
- **Gas piloted dual-dome technology**
Maintains mix accuracy by eliminating pressure decay at high flows
- **Balanced stem line regulator**
Delivers stable pressure control at high flows

Applications

Laser Welding

25-50% Argon balance He
Enables higher travel speeds

GMAW (MiG) Welding

0-10% CO₂ Mild Steel
Deep penetrating spray transfer
15-25% CO₂ Mild Steel
Spatter free short arc transfer

Materials

Case

Powder coated steel
Not designed for use outdoors

Surge Tank

Seven gallon (26.5 Liters)

Pressure Control Mechanism

Brass barstock
Gas piloted

Specifications

Flow Capacity

1000 SCFH (28.3 M³/H)

Inlet Supply Pressure Requirements

100 - 125 PSIG (7 - 8.6 BAR)

Mixed Gas Outlet Pressure

10 - 45 PSIG (.7 - 3.1 BAR)

Power Requirements

110 or 220 VAC (50 - 60 Hz)

Ambient Atmosphere and Gas Supply

Temperature

32°F to 100°F (0°C to 38°C)

Accuracy

± 1.5%

Weight

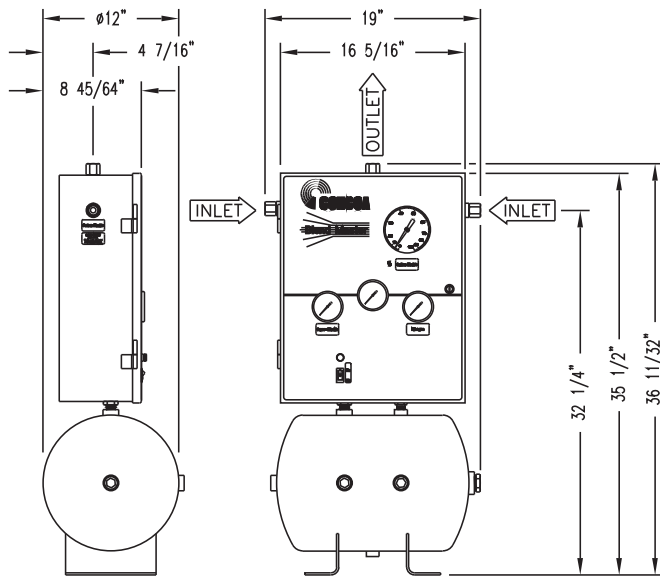
102 lbs. (kg)

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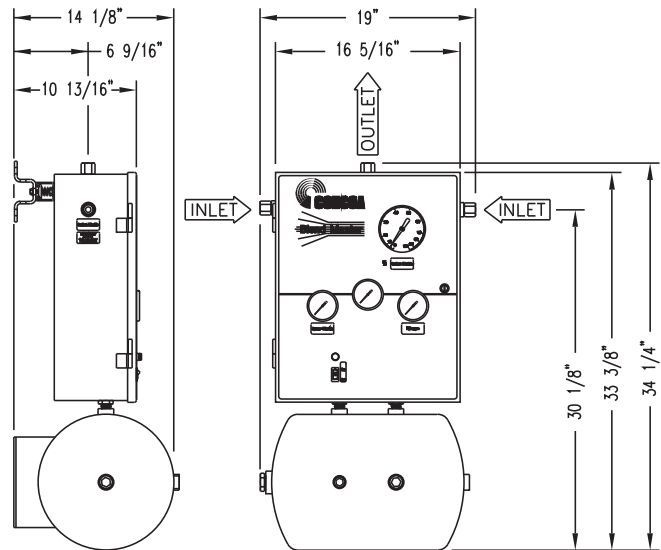


Available Mounting Information for the 652 Series/Blendmaster 1000

Gas Blending



Model 1000 Floor-Mounted



Model 1000 Wall-Mounted

Ordering Information

	A	B	C	D	E	F
Series	Major Gas	Minor Gas	Monitoring*	Assembly	Secondary Scale Major Gas	Secondary Scale Minor Gas
652	1: Argon	0: N/A	0: No Alarm	1: 110V Floor Mount	0: None	0: None
	5: Nitrogen	1: Argon	7: Low Pressure Alarm Capable*	2: 110V Wall Mount	1: Argon	1: Argon
		2: Carbon Dioxide		5: 220V Floor Mount	5: Nitrogen	2: Carbon Dioxide
		3: Helium		6: 220V Wall Mount		3: Helium
		5: Nitrogen				5: Nitrogen

* 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)