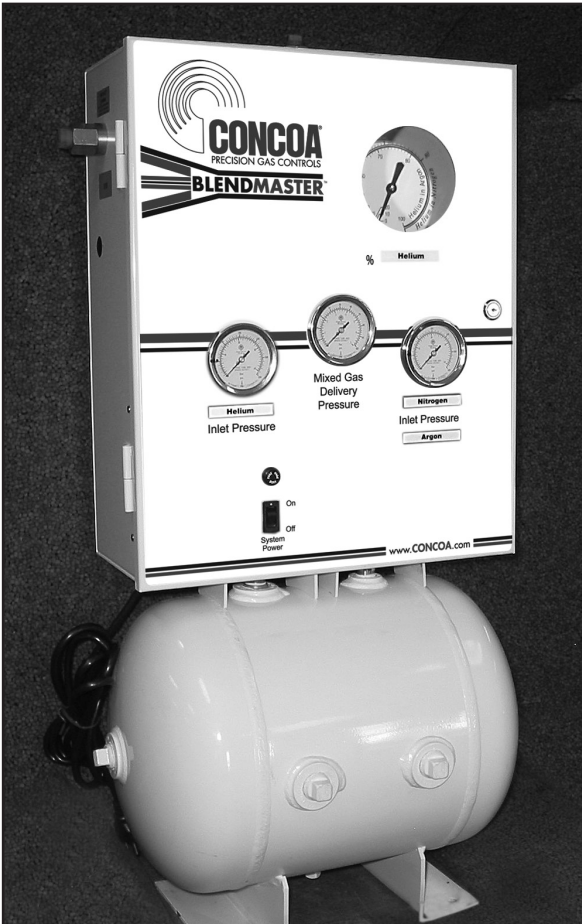**CONCOA**
PRECISION GAS CONTROLS

652 Series BlendMaster 1000

The BlendMaster 1000 Series mixer precisely blends binary mixtures for the metal fabrication industry. Carbon dioxide and helium 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% CO_2 Mild Steel
Deep penetrating spray transfer
15-25% CO_2 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
110/220 VAC (50 - 60 Hz)
Ambient Atmosphere and Gas Supply Temperature
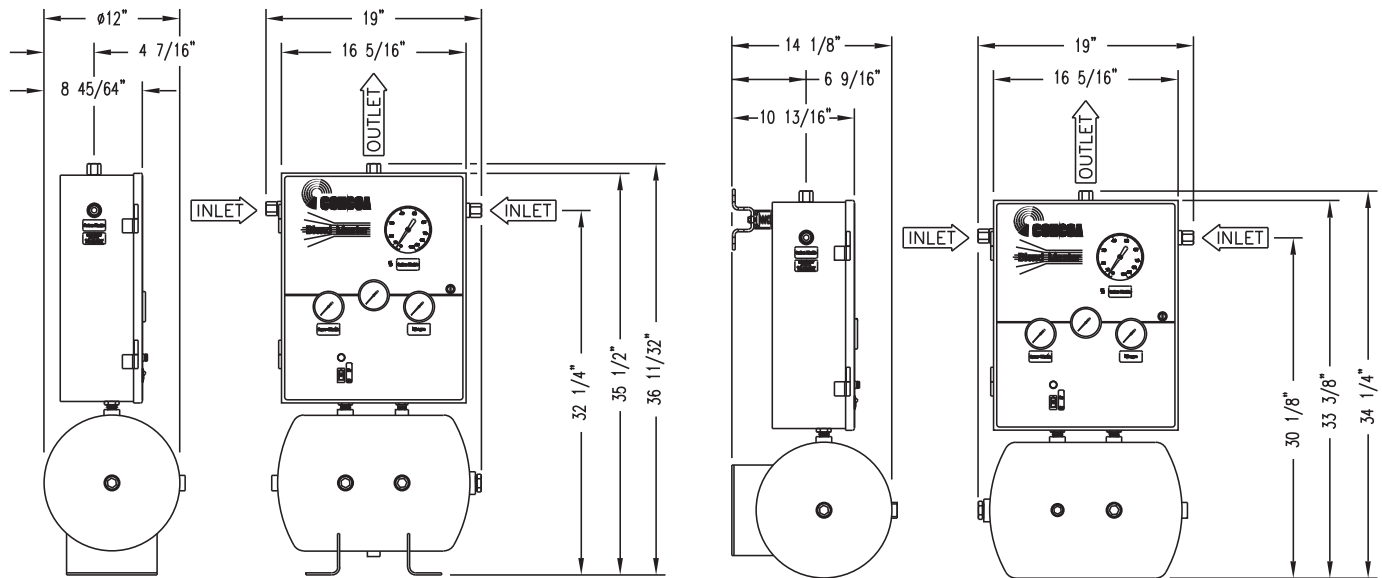32°F to 100°F (0°C to 38°C)
Accuracy
± 1.5%
Weight
102 lbs. (46 kg)

Available Mounting Information
for the 652 Series BlendMaster 1000

Floor-Mounted

Wall-Mounted

Ordering Information

	A	B	C	D	E	F
					Secondary Scale Major Gas	**Secondary Scale Minor Gas**
Series	**Major Gas**	**Minor Gas**	**Monitoring***	**Assembly**		
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	575-0023-01-000	Provides audible and visual notification of a depleted supply bank to a remote location. (See page 48 for full list of options)
Advantium Monitoring Software	529-5390	Real-time systems monitoring with email or fax notification. (See page 47 for full list of options)