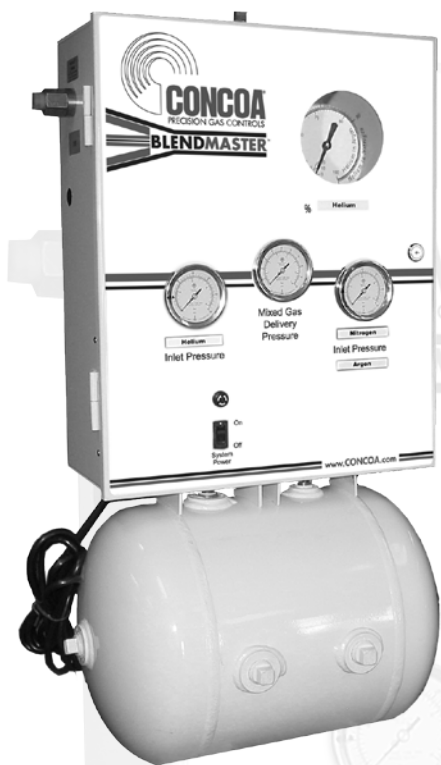


# 652 SERIES

## 652 SERIES BLENDMASTER 1000



The 652 Series BlendMaster is designed to supply two component blended shielding gases for laser welding applications. The blender provides 1000 SCFH (472 lpm) regardless of the blend ratio, and the mixture may be changed without reducing capacity. Accurate mixing tolerances are maintained during the filling of bulk or microbulk supply sources.

### Advanced Features

- LOCKABLE ENCLOSURE** Process control
- 0-100% RATIO ADJUSTABILITY** Process flexibility
- WALL- OR BENCH-MOUNTABLE** Installation flexibility
- 100-125 PSIG (7-8.5 BAR) INLET RANGE** Compatible with a variety of cryogenic sources (liquid cylinder, microbulk, bulk)
- INTEGRAL LINE REGULATOR** Supports flowmeter and regulator plus flowmeter installations
- EQUIBLEND™ TECHNOLOGY** Exceeds 1000 SCFH (472 lpm) for all mixes
- PRESSURE EQUALIZATION SYSTEM** Reduces the effects of inlet pressure fluctuations

6521202-01-000 shown

### Applications

**On-site Shielding Gas Blending**  
Argon-Helium mixtures

**Process Applications**  
Hybrid laser welding  
Remote laser welding (RLW)

### Materials

**Case**  
Powder-coated steel  
Not designed for use outdoors

**Surge Tank**  
7 gal. (26.5 liters)

**Pressure Control Mechanism**  
Brass barstock  
Gas piloted

### Specifications

**Flow Capacity**  
1000 SCFH (472 lpm)

**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)

**Temperature Range**  
32°F to 100°F (0°C to 38°C)

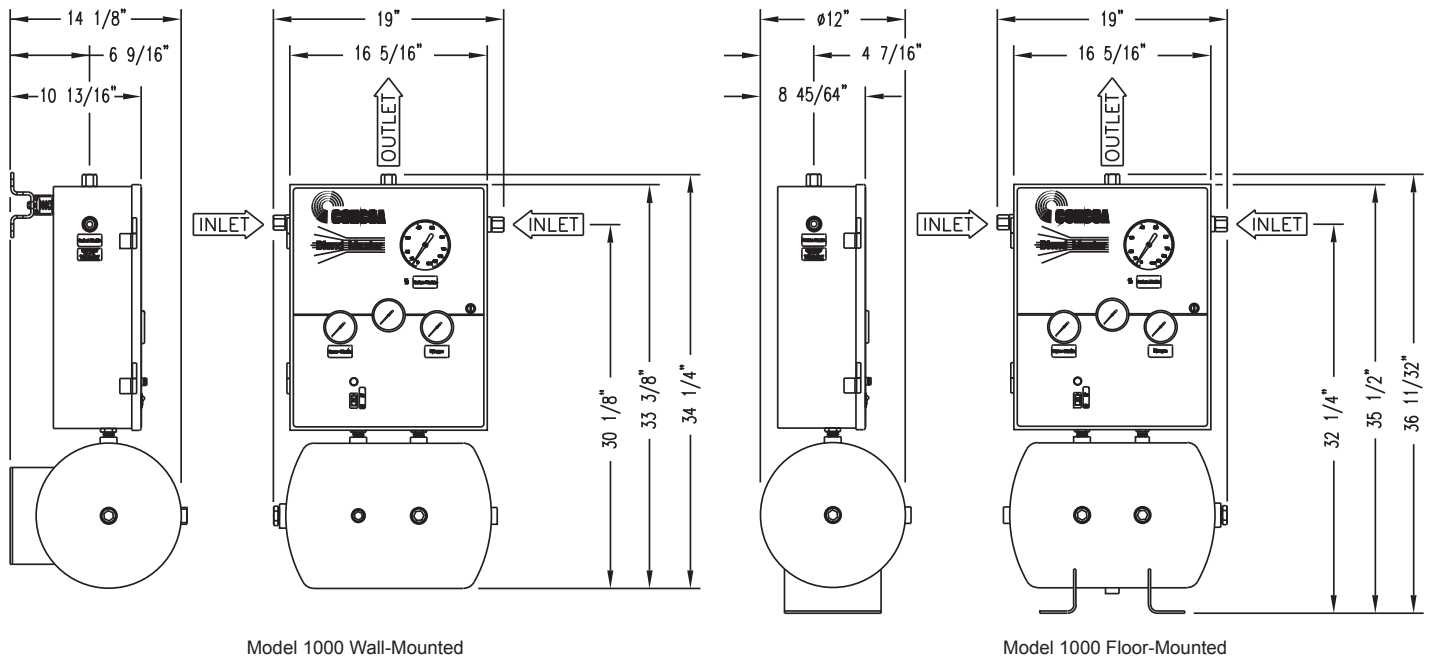
**Accuracy**  
± 1.5%

**Weight**  
102 lbs. (46.27 kg)

# Laser Welding Supply

# 652 SERIES

## Installation Dimensions



Laser Welding Supply

## Ordering Information

652	A	B	C	D	E	F
Series 652	Primary Scale Major Gas	Primary Scale Minor Gas	Monitoring	Assembly	Secondary Scale Major Gas	Secondary Scale Minor Gas
	1: Argon	1: Argon	0: No Alarm	1: 110V, Floor mount	0: None	0: None
	5: Nitrogen	2: Carbon Dioxide	7: Low pressure alarm capability*	2: 110V, Wall mount	1: Argon	1: Argon
		3: Helium		5: 220V, Floor mount	5: Nitrogen	2: Carbon Dioxide
		5: Nitrogen		6: 220V, Wall mount		3: Helium
						5: Nitrogen

\*Alarm sold separately

## Related Options

Option	Series	Description
Advantium 2 Plus Remote Alarm	5750023-01-000 (100-240V)	Provides audible and visual notification of a depleted supply bank to a remote location