CONCOA
PRECISION GAS CONTROLS

652 Series BlendMaster 1000

The 652 Series BlendMaster is designed to supply two component blended shielding gases for laser welding applications. The blender provides 1,000 SCFH 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 can, microbulk, bulk)

- *Integral Line Regulator*
  Supports flowmeter and regulator plus flowmeter installations

- *EquiBlend™ Technology*
  Exceeds 1,000 SCFH for all mixes

- *Pressure Equalization System*
  Reduces the effects of inlet pressure fluctuations

652-1201 shown

Ask About Our

EXTENDED
WARRANTY
On This CONCOA Product

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
Seven gallon (26.5 Liters)

Pressure Control Mechanism
Brass barstock
Gas piloted

Specifications

Flow Capacity
1,000 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)
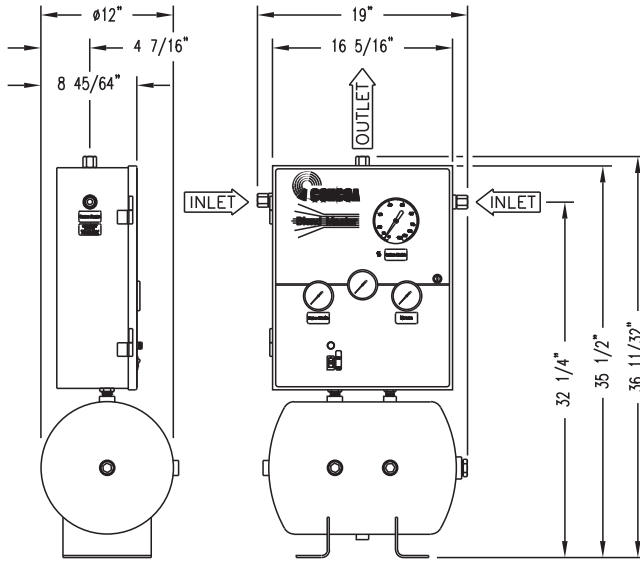
Power Requirements
110 or 220 VAC (50 - 60 Hz)

Ambient Atmosphere and Gas Supply Temperature
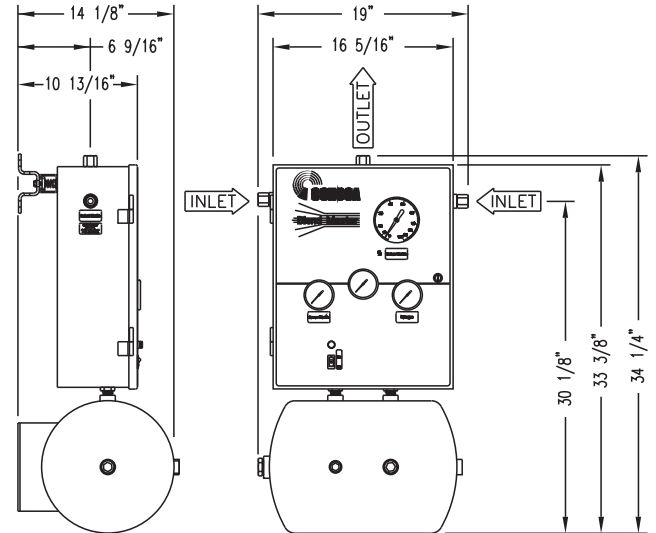32°F to 100°F (0°C to 38°C)

Accuracy
± 1.5%

Weight
102 lbs. (46.27 kg)

Laser Welding Supply

Laser Welding Supply

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Available Mounting

Model 1000 Floor-Mounted

Model 1000 Wall-Mounted

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

Options	Order No.	Description
Advantium *2Plus* Remote Alarm	575-0023 (120/220 Volt)	Provides audible and visual notification of a depleted supply bank to a remote location
Advantium Monitoring Software	529-5390	Real-time systems monitoring with email or fax notification.
Instruction Manual	ADI 3186	Installation and Instruction Manual