Gas Blending Systems

CONCOA PRECISION GAS CONTROLS

657 Series BlendMaster 1750

The BlendMaster 1750 Series mixer precisely blends shielding gas for GMAW (MIG) and GTAW (TIG) welding. Argon-Carbon Dioxide 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 1750 delivers the flexibility that yields a low cost of ownership.

Advanced Features

Pressure Equalization Technology
Maintains mix accuracy under fluctuating supply conditions

0-25% Ratio Adjustment
Ensures 1,750 SCFH for all mixes

Gas Piloted Dual-Dome Technology
Maintains mix accuracy by eliminating pressure decay at high-flows

6700 Series Line Regulator
Delivers stable pressure control at high-flows

Applications

GMAW (MIG) Welding
0-10% Carbon Dioxide Mild Steel
Deep penetrating spray transfer

15-25% Carbon Dioxide Mild Steel
Spatter-free short arc transfer

Materials

Case
Powder-coated steel

Surge Tank
Powder-coated steel

Regulator
Brass barstock

Seals
Neoprene

40-Micron Inlet Filter
316L stainless steel

Inlet and Outlet Fittings
Brass

Specifications

Flow Capacity
1750 SCFH (50.0 M^3/H)

Inlet Supply Pressure Requirements
100 - 125 PSIG (7 - 8.6 BAR)

Mixed Gas Outlet Pressure
10 - 50 PSIG (.7 - 3.5 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 kg)

Surge Tank
7 gallon (26.5 Liters)

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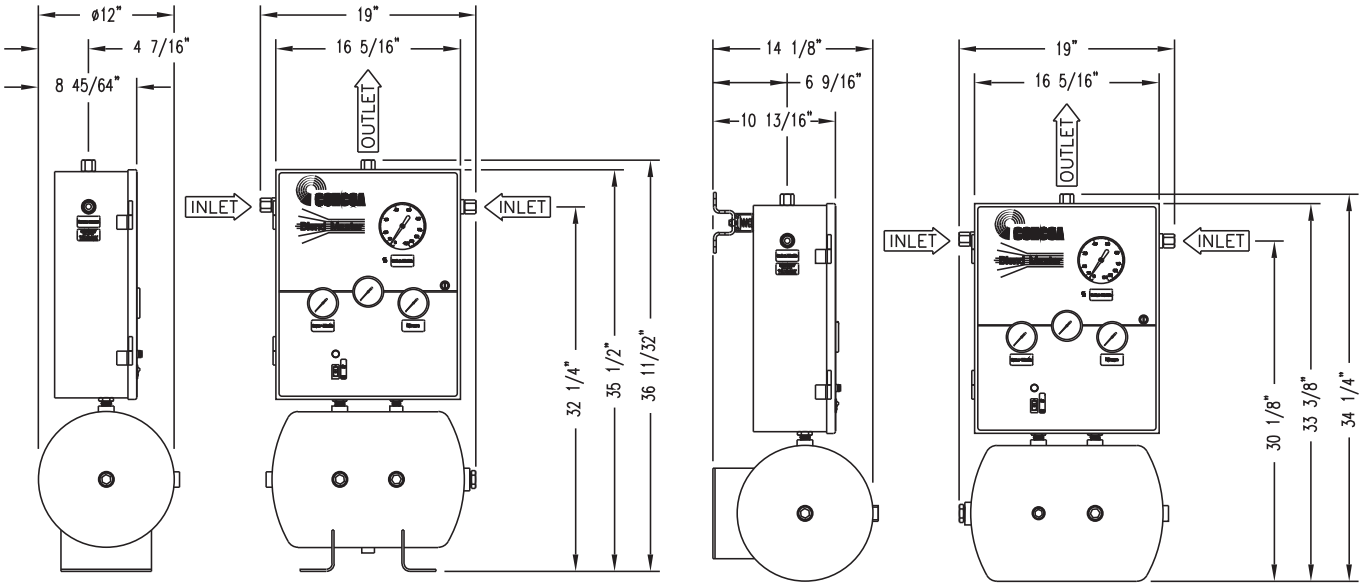
Installation Dimensions



Floor-Mounted *Wall-Mounted*

Ordering Information

Series	Major Gas	Minor Gas	Monitoring*	Assembly
657	1: Argon	2: Carbon Dioxide	0: No Alarm	1: 110V Floor Mount
			7: Low Pressure Alarm Capable*	2: 110V Wall Mount
				5: 220V Floor Mount
				6: 220V Wall Mount
			** Remote alarm not included.*	

Related Options

Part Number	Option	Description
575 0025-01-000	Altos 2 Alarm	Provides real-time cylinder pressure, audible and visual notification of a depleted supply bank to a remote location. (See page 46 for full list of options)