## GAS BLENDING SYSTEMS



### 655 Series Oxygen BlendMaster

The 655 Series BlendMaster is designed to supply Argon-Oxygen shielding gas mixtures on-site for mild and stainless steel MIG (GMAW) welding. The blender provides up to 850 SCFH over the range of 0-10% Oxygen, balance Argon. CONCOA 6700 Series inlet regulators maintain mix accuracy by eliminating pressure fluctuation effects encountered while filling micro-bulk and bulk supply sources.

#### **Advanced Features**

Lockable Enclosure

Process control

0-10% Ratio Adjustability

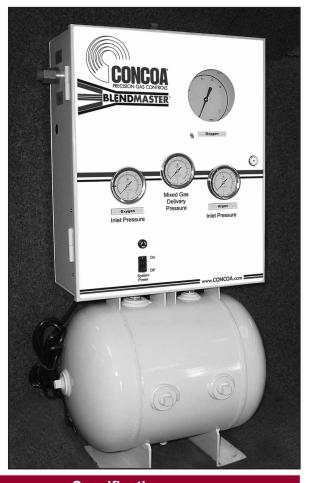
Process flexibility

**Wall or Bench Mountable** 

Installation flexibility

Integral Line Regulator

Supports flowmeter and regulator/flowmeter installations



#### **Applications**

#### **Stainless Steel**

0-1% Oxygen

Stabilized spray transfer

1-2% Oxygen

Spray transfer with enhanced wetting action

#### Mild Steel

2-3% Oxygen

Spray transfer with enhanced wetting action

3-5% Oxygen

High travel speeds with fluid weld puddle

#### **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

850 SCFH (24.1 M<sup>3</sup>/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**

± 0.5%

#### Weight

102 lbs. (46 kg)

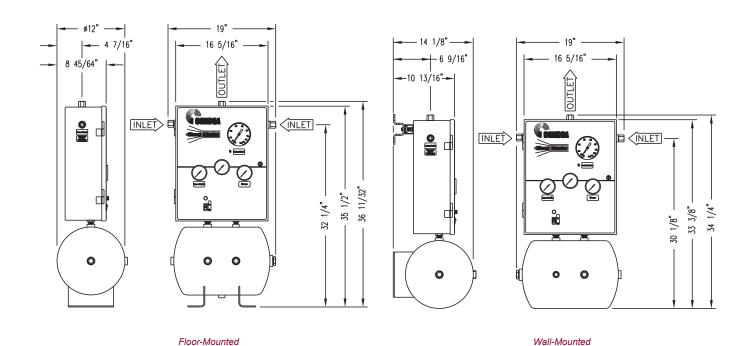
#### Surge Tank

7 gallon (26.5 liters)

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#### **Installation Dimensions**



Ordering Information					
Series	Major Gas	Minor Gas	Monitoring*	Assembly	
655	1: Argon	1: Oxygen	0: No Alarm	1: 110V Floor Mount	
			7: Low Pressure Alarm Capability*	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)		