

PSA Oxygen Concentrator

Centrox



PSA Concentrator Module



Air Compressor Module

The Centrox is an oxygen concentrator ideal for use in many applications. The Centrox's ability to deliver up to 95% oxygen concentration at flows of up to 32 SCFH (0.84 Nm³/hr or 15 LPM) make it a great fit for medical and commercial uses requiring up to 50 psig (345 kPa or 3.5 barg).

Features

- Self-contained (internal air compressors)
- Microprocessor controlled
- Low operating cost
- Automatic and unattended operation
- Wall or rack mount design
- Heavy duty metal enclosures
- Oxygen concentration monitor

Typical Applications

Medical

- Medical Oxygen Supply
- Veterinary Medicine

Manufacturing

- Brazing/Soldering
- Glass Work/Blowing

Environmental

- Ozone (Generator) Feed Gas
- Environmental Remediation

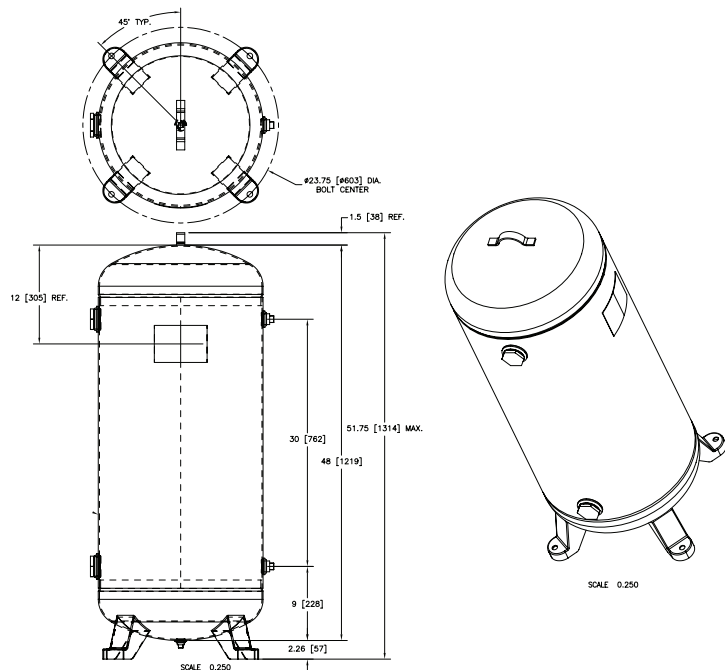
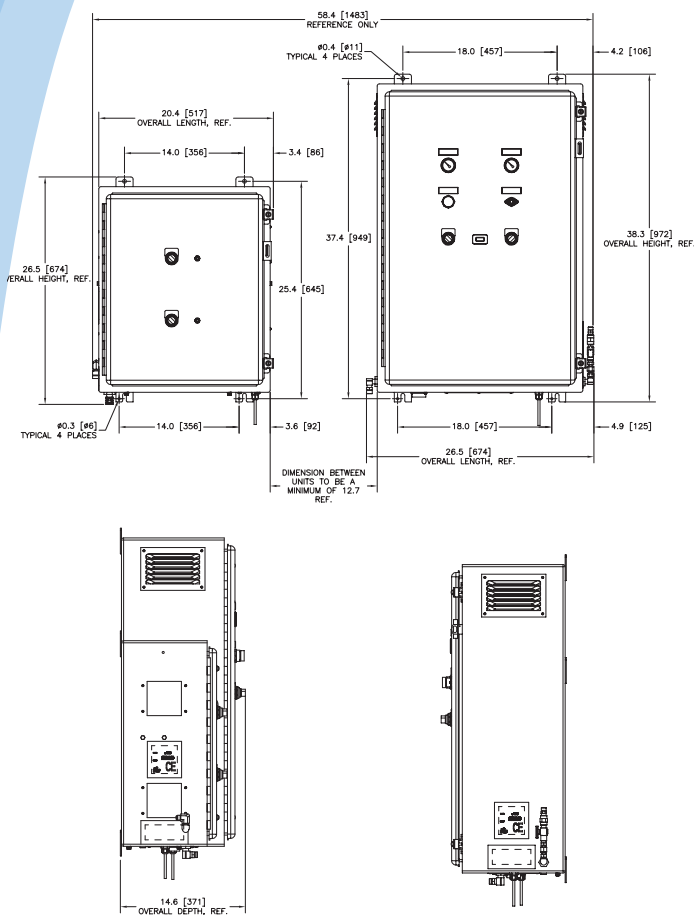
Additional

- Fish Farming

Specifications

Product Flow ¹	32 SCFH (0.84 Nm ³ /hr or 15 LPM)
Product Pressure	50 psig (345 kPa or 3.5 barg)
Product Concentration	Up to 95%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (Nominal)	
■ Air Compressor Module	21 x 13 x 27 in (52 x 32 x 68 cm)
■ PSA Concentrator Module	27 x 15 x 38 in (68 x 37 x 97 cm)
Weight	
■ Air Compressor Module	100 lb (45 kg)
■ PSA Concentrator Module	160 lb (73 kg)
Physical Connection	
Product Gas Outlet	¼" NPT x B size oxygen demand valve
Ambient Operating Conditions	Locate the oxygen generator in a well-ventilated area that is protected from weather elements and remains between 40°F (4°C) and 112°F (44°C)
Control Power Requirements (Single Phase)	120 V ~ ±10%, 60 Hz, 11.0 A or 220 V ~ ±10%, 50 Hz, 5.5 A
NRTL Certifications and Approvals	CAN/CSA-C22.2 No. 60601-1:08, AAMI ES60601-1 (120 V configurations only), Class IIa
60 Gallon Oxygen Receiver	
Dimensions (Dia. x H)	26 x 52 in (65 x 131 cm)
Weight	159 lb (72 kg)

¹ SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F / Nm³ (Normal cubic meter) gas measured at 1 atmosphere and 0°C / LPM (Liters per minute) gas measured at 1 atmosphere and 21°C



60 Gallon Receiver

Note: All dimensions are nominal.

Ordering Information

Model	Part Number	Description
Centrox ¹	AS074-1	120 V ~ ±10%, 60 Hz with oxygen concentration monitor (LED indicator)
	AS074-2	220 V ~ ±10%, 50 Hz with oxygen concentration monitor (LED indicator)
Required Accessories	TA150-1	60 Gallon Oxygen Receiver
	KI046-1	Accessory Kit (10 ft Stainless Braided Oxygen Hose & Primary/Secondary Oxygen Ball Valve Assembly)
	KI470-1	Accessory Kit (10 ft Stainless Braided Oxygen Hose & Regulator Assembly with Flowmeter)
	KI225-1	Accessory Starter Kit
Optional Accessories	TA212-1	Accessory Kit, Mini Oxygen Receiver
	AN021-1	Oxygen Analyzer (Maxtec Handi)
	AN005-1	Oxygen Analyzer (Maxtec Max O ₂ Plus)
	AN075-1	Oxygen Analyzer/Sensor (Maxtec Max O ₂ Plus)

Shipping Information	Centrox	60 Gallon Oxygen Receiver
Class	92.5	70
Commodity Classification Number	8421.39.8040	7311.00.0000
Dimensions (W x D x H)	34 x 52 x 50 in (86 x 132 x 127 cm) with Accessory Kits, Crated	28 x 30 x 56 in (71 x 76 x 142 cm)
Gross Weight	559 lb (254 kg) with Accessory Kits, Crated	177 lb (80 kg)

Warranty: 1 Year Parts and Factory Labor*

* An unprotected or inadequately ventilated environment, or improper control power may cause damage to the oxygen generator not covered under warranty.

¹ Interconnecting air hose, red included.

All performance ratings based on an ambient temperature up to 100°F (38°C), up to 1,000 feet elevation, and 80% relative humidity.



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260 Creekside Drive
Buffalo, NY 14228-2075 U.S.A.
Tel: (716) 691-0202 ■ Fax: (716) 691-1255
www.airsepcpd.com ■ info@airsep.com
ML-IND0008 C