

Oxygen
concentrator

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Centrox

The Centrox is an oxygen concentrator ideal for use in many applications. The Centrox's ability to deliver up to 95.5% oxygen concentration at flows of up to 15 LPM (32 SCFH) make it a great fit for medical and commercial uses requiring up to 345 kPa (50 psig).



Specification

Product characteristics

Product flow ¹	15 LPM (32 SCFH)
Product pressure	345 kPa (50 psig)
Product concentration (nominal)	93%
Product dew point	-73 °C (-100 °F)
Sound level	65 dBA at 1 m distance

Dimensions (W x D x H) (nominal)

Air compressor module	52 x 32 x 68 cm (21 x 13 x 27 in)
PSA concentrator module	68 x 37 x 97 cm (27 x 15 x 38 in)

Weight

Air compressor module	45 kg (100 lb)
PSA concentrator module	73 kg (160 lb)

Physical connections²

Product gas outlet	1/4" NPT x B size oxygen demand valve
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Typical applications

Medical

- Anesthesia
- Oxygen therapy
- Veterinary medicine

Manufacturing

- Glass work/blowing
- Brazing/soldering

Environmental

- Ozone (generator) feed gas
- Environmental remediation

Additional

- Fish farming



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Oxygen concentrator

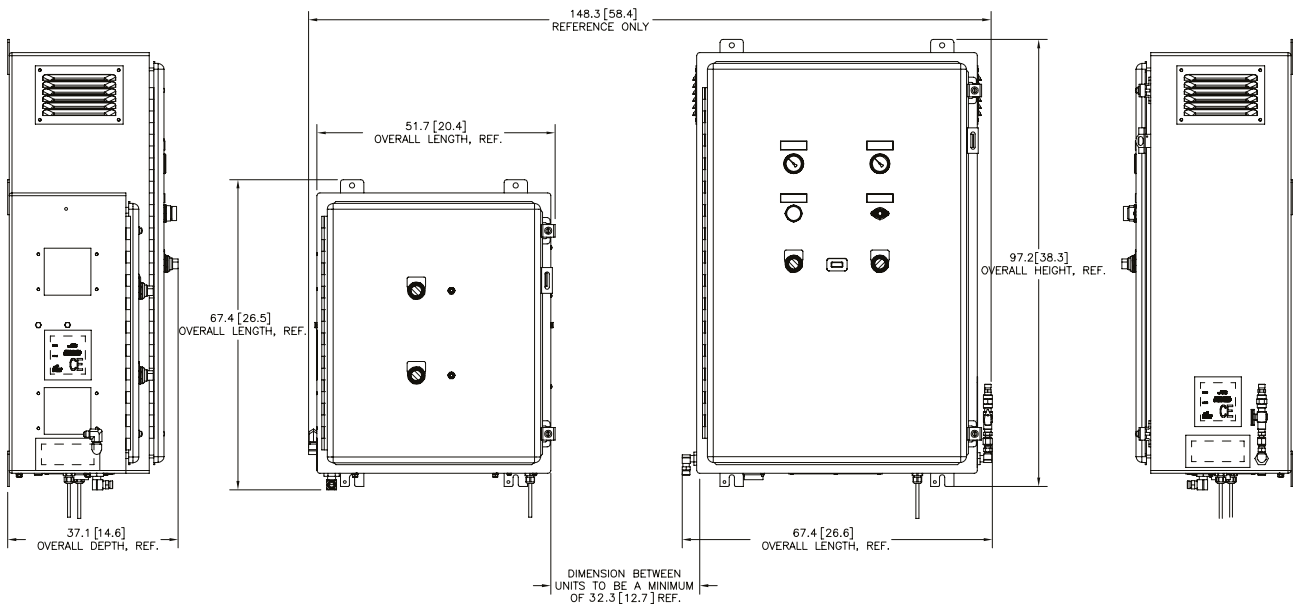
Specification

Ambient operating conditions	Locate the oxygen generator in a well-ventilated area that is protected from weather elements and remains between 4 °C (40 °F) and 44 °C (112 °F)
Control power requirements (single phase)	120V~±10%,60Hz,11.0A or 220V~±10%,50Hz,5.5A
227 Liter/60 gallon oxygen receiver characteristics (optional)	
Dimensions (Dia. x H)	65 x 131 cm (26 x 52 in)
Weight	72 kg (159 lb)

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

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



Note: All dimensions are nominal

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Ordering information

Model	Part number	Description
Centrox ¹	AS074-1	120 V ~ ±10%, 60 Hz
	AS074-2	220 V ~ ±10%, 50 Hz
Accessories	TA150-1	227 Liters/60 gallon oxygen receiver
	KI046-1	Accessory kit—includes the following: <ul style="list-style-type: none"> • 10 ft stainless braided oxygen hose • primary/secondary oxygen ball valve assembly
	KI470-1	Accessory kit—includes the following: <ul style="list-style-type: none"> • 10 ft stainless braided oxygen hose • regulator assembly with flowmeter
Shipping Information	Centrox	227 Liters/60 Gallon oxygen receiver
Class	92.5	70
Commodity classification number	8421.39.8040	7311.00.0000
Dimensions (W x D x H)	112 x 130 x 69 cm (44 x 51 x 27 in) with accessory kits, boxed 86 x 132 x 127 cm (34 x 52 x 50 in) with accessory kits, crated	71 x 76 x 142 cm (28 x 30 x 56 in)
Gross Weight	164 kg (362 lb) with accessory Kits, boxed 254 kg (559 lb) with accessory Kits, crated	80 kg (177 lb)

¹ Interconnecting air hose, red included.

An unprotected or inadequately ventilated environment, or improper control power may cause damage to the oxygen generator. All performance ratings based on an ambient temperature up to 38 °C (100 °F), up to 304.8 meters (1,000 feet) elevation, and 80% relative humidity.

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