

# PSA Oxygen Generator

# AS-E



AirSep Alpha-Series Oxygen Generators produce from 20 to 5,000 cubic feet of oxygen per hour at up to 95.5% oxygen concentration. When electricity and a source of compressed air is supplied, these dependable machines can provide oxygen for any application.

## Features

- Produces oxygen from an independent compressed air source
- Microprocessor controlled
- Low operating cost
- Automatic and unattended operation
- Easy to install and maintain
- Optional NEMA 4 Touchscreen control panel with integrated oxygen concentration monitor

## Typical Applications

### Manufacturing

- Cutting/Brazing/Soldering
- Thermal/Chemical Oxidation

### Medical

- Hospital Systems

### Environmental

- Ozone (Generator) Feed Gas
- Environmental Remediation
- Waste/Water Treatment

### Glass Industry

- Glass Work/Manufacturing/Blowing

### Additional

- Fish Farming

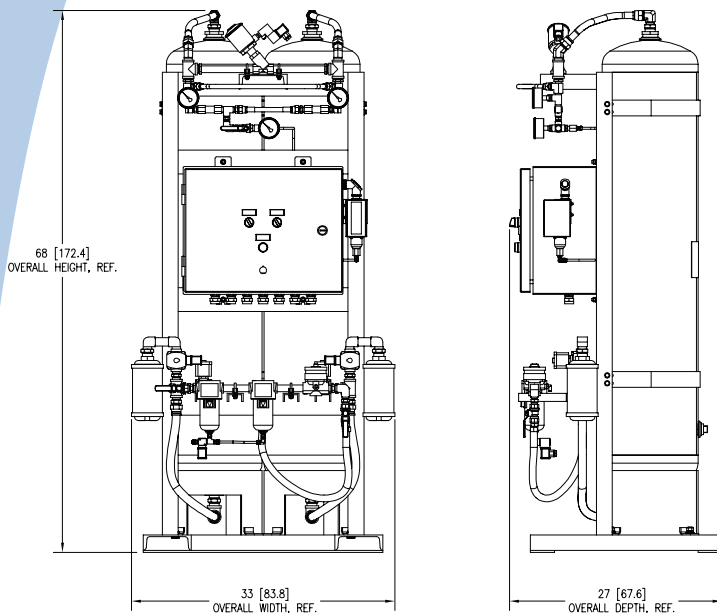
## Specifications

### AS-E

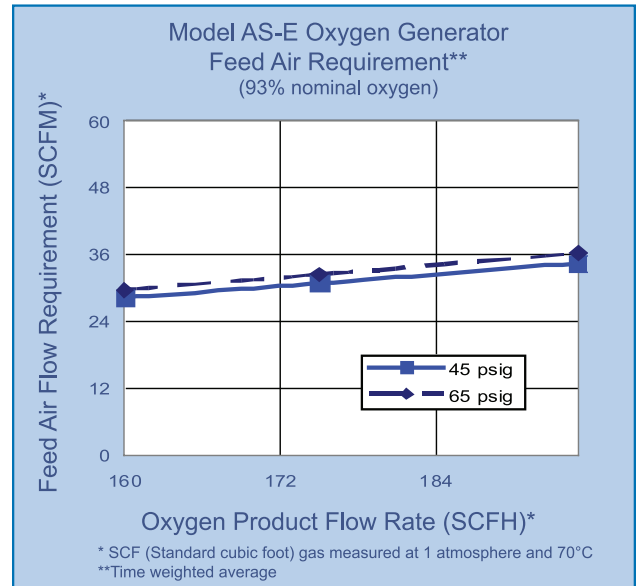
Product Characteristics	
Product Flow	160 - 195 SCFH (4.21 - 5.13 Nm <sup>3</sup> /hr) <sup>1</sup>
Product Pressure	45-65 psig (310-448 kPa) <sup>1</sup>
Product Concentration (nominal)	93%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (nominal)	33 x 27 x 68 in (84 x 69 x 173 cm)
Weight	721 lb (327 kg)
Physical Connections <sup>2</sup>	
Compressed Air Inlet	½" FNPT
Product Gas Outlet	¾" FNPT
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 104°F (40°C)
Feed Air Requirements	Flow Rate: <i>Refer to chart on reverse page.</i> Clean and Dry "Plant Air" (Class 5.6.5 per ISO 8573.1) Pressure: 90 psig (621 kPa) minimum Temperature: 122°F (50°C) maximum
Control Power Requirements (Single Phase)	120 V ~ ±10%, 50/60 Hz, 3.0 A or 240 V ~ ±10%, 50/60 Hz, 1.0 A
60 Gallon Oxygen Receiver Characteristics	
Dimensions (Dia. x H)	26 x 52 in (65 x 131 cm)
Weight	159 lb (72 kg)

<sup>1</sup> SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F / Nm<sup>3</sup> (Normal cubic meter) gas measured at 1 atmosphere and 21°C

<sup>2</sup> Hose and applicable adapters included with optional factory supplied accessory kits.



Note: All dimensions are nominal.



## Ordering Information

Model	Part Number	Description	
AS-E	AS103-1	120 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-2	240 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-3	With NEMA 4 Pressure Switch, 120 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-4	With NEMA 4 Pressure Switch, 240 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 240 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-9	With CE Vessels, 240 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-10	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 120 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-11	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 240 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-12	With oxygen concentration monitor (LED indicator), 120 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS103-13	With oxygen concentration monitor (LED indicator), 240 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	Accessories	TA150-1	60 Gallon Oxygen Receiver
		KI412-1	Accessory Kit (interconnecting hoses/fittings and oxygen regulator)
KI412-3		Accessory Kit (HMI, interconnecting hoses/fittings, isolation valves with oxygen regulator and oxygen filter)	
KI475-1		Accessory Kit (oxygen hose - oxygen regulator to use point)	
	KI404-2	Accessory Kit (mini manifold)	

Shipping Information	AS-E	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 42 x 83 in (86 x 107 x 211 cm) with Accessory Kit(s) 34 x 41 x 85 in (86 x 104 x 216 cm) with Accessory Kit(s), Crated 34 x 41 x 85 in (86 x 104 x 216 cm) with Accessory Kit(s) and CE Beds, Crated 38 x 86 x 37 in (97 x 218 x 94 cm) with CE Beds, Horizontal	28 x 30 x 56 in (71 x 76 x 142 cm)
Gross Weight	762 lb (346 kg) with Accessory Kit(s) 885 lb (401 kg) with Accessory Kit(s), Crated 916 lb (415 kg) with Accessory Kit(s) and CE Beds, Crated 1,099 lb (499 kg) with CE Beds, Horizontal	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.

<sup>1</sup> Specify oxygen flow and pressure at time of order.

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

Copyright (C) 2013 Chart Industries  
CAIRE Inc./Chart SeQual Technologies Inc./Chart Inc./AirSep Corp. reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence.  
All rights not expressly stated herein are reserved by us, as applicable.



A Chart Industries Company

260 Creekside Drive  
Buffalo, NY 14228-2075 U.S.A.

Tel: (716) 691-0202 • Fax: (716) 691-1255

www.airsepcpd.com • cpd@airsep.com

ML-IND0012 A