

# PSA Oxygen Generator

# AS-A



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

## 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

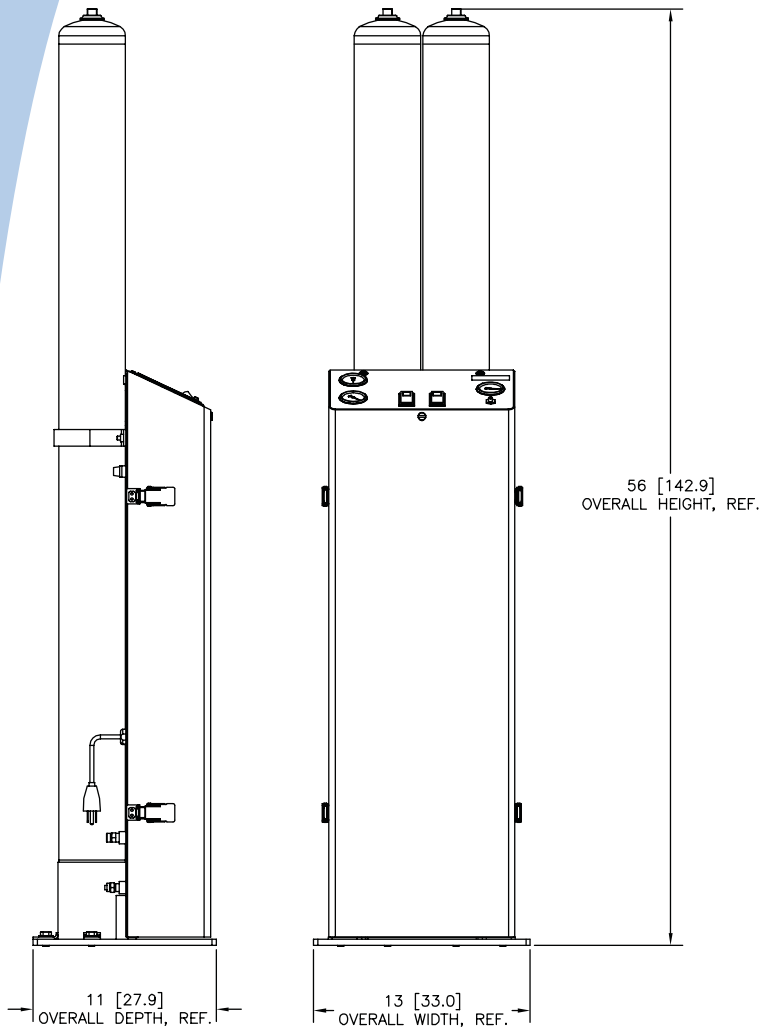
## Specifications

### AS-A

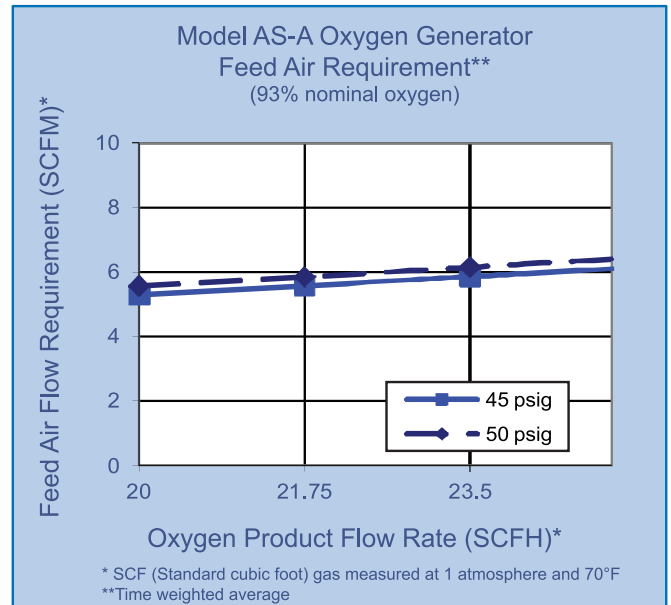
Product Characteristics	
Product Flow	20 - 25 SCFH (0.53 - 0.66 Nm <sup>3</sup> /hr) <sup>1</sup>
Product Pressure	45-50 psig (310-345 kPa) <sup>1</sup>
Product Concentration (nominal)	93%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (nominal)	13 x 11 x 56 in (33 x 28 x 142 cm)
Weight	140 lb (64 kg)
Physical Connections <sup>2</sup>	
Compressed Air Inlet	¼" FNPT x ¼ NPSM
Product Gas Outlet	¼" FNPT x JIC-8
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, 1.0 A or 240 V ~ ±10%, 50/60 Hz, 0.5 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 0°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-A	AS100-1	120 V ~ ±10%, 50/60 Hz <sup>1</sup>	
	AS100-2	240 V ~ ±10%, 50/60 Hz <sup>1</sup>	
Accessories	TA150-1	60 Gallon Oxygen Receiver	
	KI410-1	Accessory Kit (interconnecting hoses/fittings and oxygen regulator)	
	KI474-1	Accessory Kit (oxygen hose - oxygen regulator to use point)	
	KI404-1	Accessory Kit (mini manifold)	
Shipping Information		AS-A	60 Gallon Oxygen Receiver
Class		92.5	70
Commodity Classification Number		8421.39.8040	7311.00.0000
Dimensions (W x D x H)		24 x 65 x 23 in (61 x 165 x 58 cm) with Accessory Kit(s), Boxed 25 x 65 x 29 in (64 x 165 x 74 cm) with Accessory Kit(s), Crated	28 x 30 x 56 in (71 x 76 x 142 cm)
Gross Weight		188 lb (85 kg) with Accessory Kit(s), Boxed 273 lb (124 kg) with Accessory Kit(s), Crated	177 lb (80 kg)

### Warranty: 1 Year Parts and Factory Labor<sup>\*\*\*</sup>

<sup>\*\*\*</sup> 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.

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