

# PSA Oxygen Generator

# AS-K



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

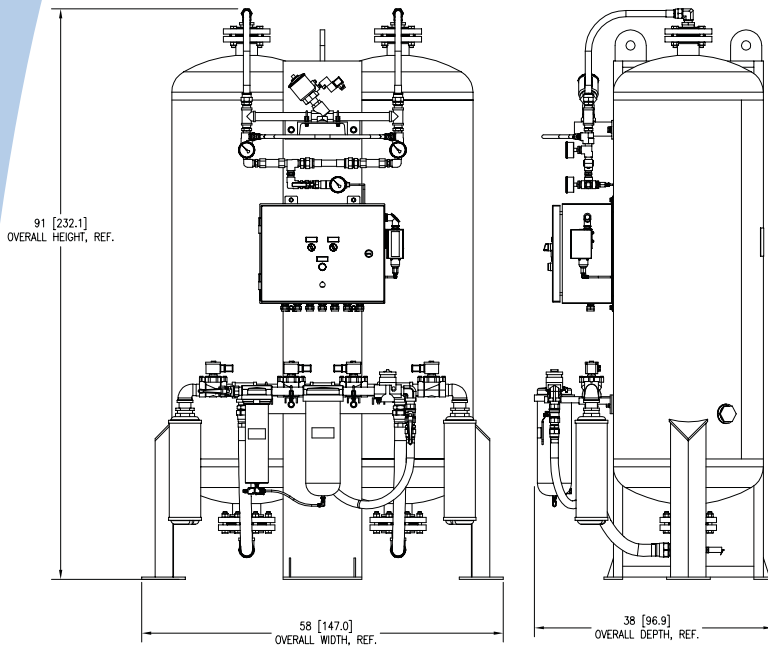
## Specifications

### AS-K

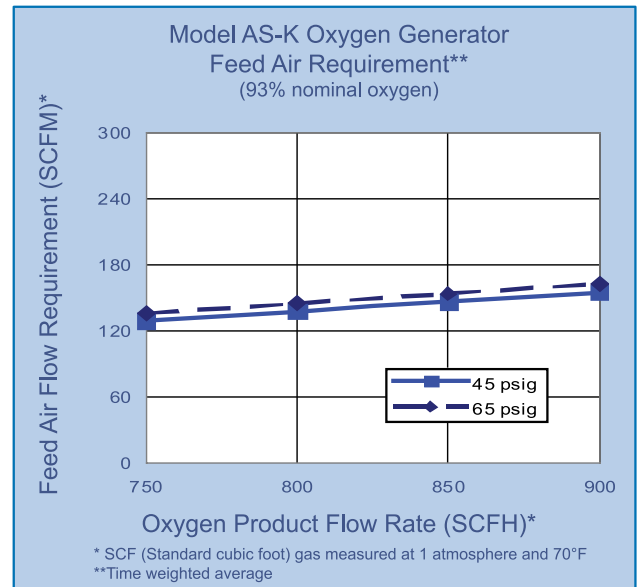
Product Characteristics	
Product Flow	750 - 900 SCFH (19.72 - 23.66 Nm <sup>3</sup> /hr) <sup>1</sup>
Product Pressure	45-65 psig (310-448 kPa) <sup>1</sup>
Product Concentration (nominal)	93%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (nominal)	58 x 38 x 91 in (147 x 97 x 231 cm)
Weight	2,690 lb (1,220 kg)
Physical Connections <sup>2</sup>	
Compressed Air Inlet	¾" 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
290 Gallon Oxygen Receiver Characteristics	
Dimensions (Dia. x H)	37 x 80 in (94 x 202 cm)
Weight	500 lb (227 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
	AS106-1	120 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-2	240 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-3	With NEMA 4 Pressure Switch, 120 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-4	With NEMA 4 Pressure Switch, 240 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz <sup>1</sup>
AS-K	AS106-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 240 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-10	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 120 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-11	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 240 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-12	With oxygen concentration monitor (LED indicator), 120 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-13	With oxygen concentration monitor (LED indicator), 240 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS106-16	With China Approved Vessels, 240 V ~ ±10%, 50/60 Hz <sup>1</sup>
	TA152-1	290 Gallon Oxygen Receiver
Accessories	KI414-1	Accessory Kit (interconnecting hoses/fittings and oxygen regulator)
	KI414-3	Accessory Kit (HMI, interconnecting hoses/fittings, isolation valves with oxygen regulator and oxygen filter)
	KI477-1	Accessory Kit (oxygen hose - oxygen regulator to use point)
Shipping Information		AS-K
Class	92.5	70
Commodity Classification Number	8421.39.8040	7311.00.0000
Dimensions (W x D x H)	60 x 96 x 50 in (152 x 234 x 127 cm) with Accessory Kit(s) and Filter with Pallet 61 x 97 x 56 in (155 x 246 x 142 cm) with Accessory Kit(s) and Filter with Pallet, Crated	48 x 48 x 86 in (122 x 122 x 218 cm)
Gross Weight	2,990 lb (1,356 kg) with Accessory Kit(s) and Filter with Pallet 3,238 lb (1,469 kg) with Accessory Kit(s) and Filter with Pallet, Crated	600 lb (272 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.

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