

## PSA Oxygen Generator

# AS-Z



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
- HMI 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

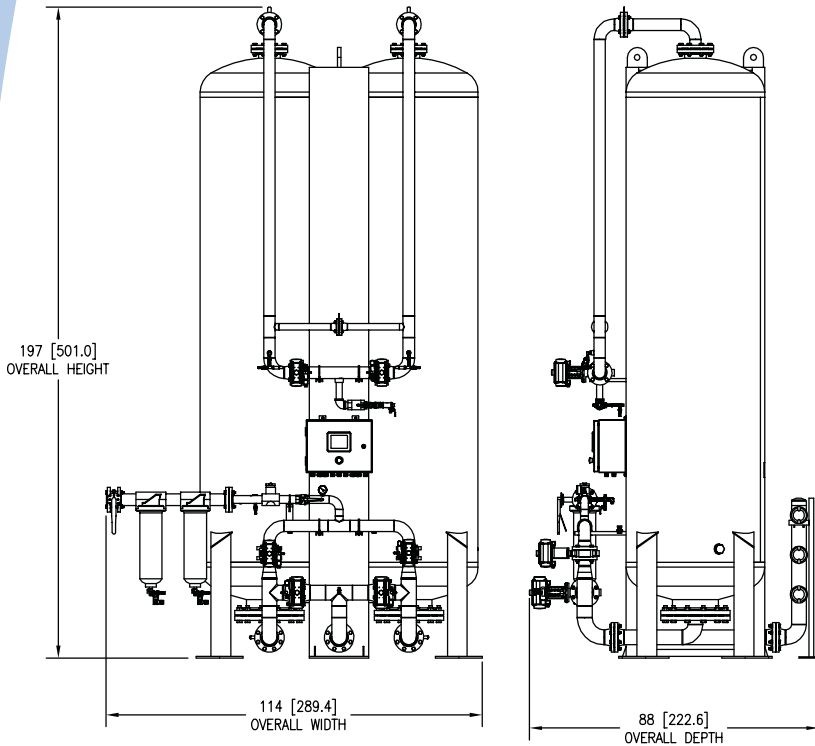
## Specifications

### AS-Z

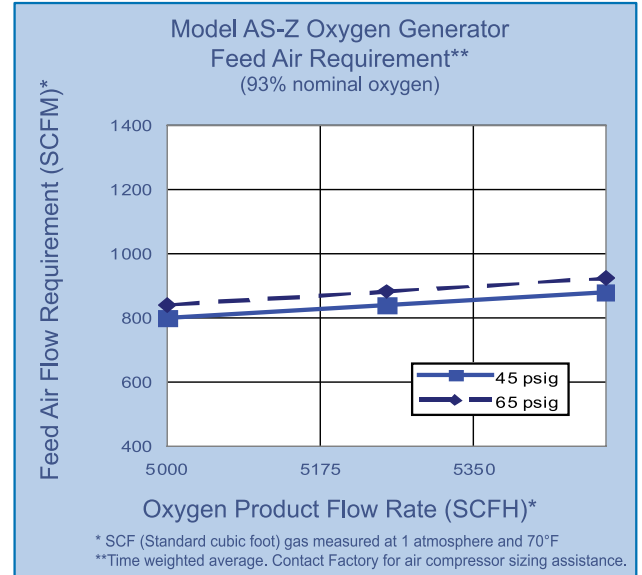
Product Characteristics	
Product Flow	5,000 - 5,500 SCFH (131.44 - 144.59 Nm <sup>3</sup> /hr) <sup>1</sup>
Product Pressure	45-65 psig (310-448 kPa) <sup>1</sup>
Product Concentration (nominal)	93%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) <sup>2</sup> (nominal)	114 x 88 x 197 in (290 x 224 x 500 cm)
Weight <sup>2</sup>	20,002 lb (9,073 kg)
Physical Connections Compressed Air Inlet Product Gas Outlet	3" 150# ANSI Flange 1½" 150# ANSI Flange
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 220 V ~ ±10%, 50/60 Hz, 1.0 A
1,550 Gallon Oxygen Receiver Characteristics	
Dimensions (Dia. x H)	62 x 180 in (157 x 457 cm)
Weight	2,500 lb (1,134 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> Includes filter and silencer assemblies which is shipped separately, field assembly (by others) required.



Note: All dimensions are nominal.



## Ordering Information

Model	Part Number	Description
AS-Z	AS122-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS122-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz <sup>1</sup>
Accessories	TA085-1	1,550 Gallon Oxygen Receiver
<b>Shipping Information</b>		<b>AS-Z</b>
		<b>1,550 Gallon Oxygen Receiver</b>
Class		92.5
Commodity Classification Number		8421.39.8040
Dimensions (W x D x H)		88 x 220 x 76 in (224 x 559 x 193 cm) Generator (No Pallet) 40 x 48 x 20 in (102 x 122 x 51 cm) Filter and Pallet 48 x 48 x 20 in (102 x 102 x 51 cm) Silencer and Pallet 48 x 48 x 20 in (102 x 102 x 51 cm) Silencer Bracket Pallet
Gross Weight		19,300 lb (8,754 kg) Generator (No Pallet) 250 lb (113 kg) Filter and Pallet 200 lb (91 kg) Silencer and Pallet 400 lb (181 kg) Silencer Bracket Pallet

### 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.