

# PSA Oxygen Generator

# AS-D



AirSep Alpha Series Oxygen Generators produce from 20 to 5,500 cubic feet of oxygen per hour at up to 95% oxygen concentration. When electricity and a source of compressed air is supplied, these dependable machines can provide oxygen for practically 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

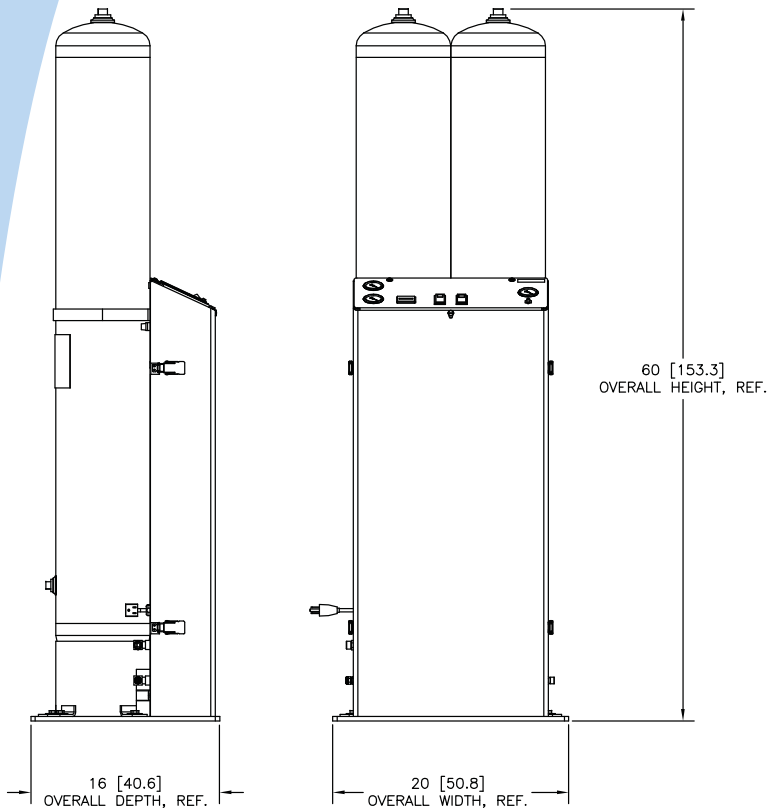
- Cutting/Brazing/Soldering
- Environmental Remediation
- Fish Farming
- Glass Work/Blowing
- Ozone (Generator) Feed Gas
- Thermal/Chemical Oxidation
- Waste/Water Treatment

## Specifications

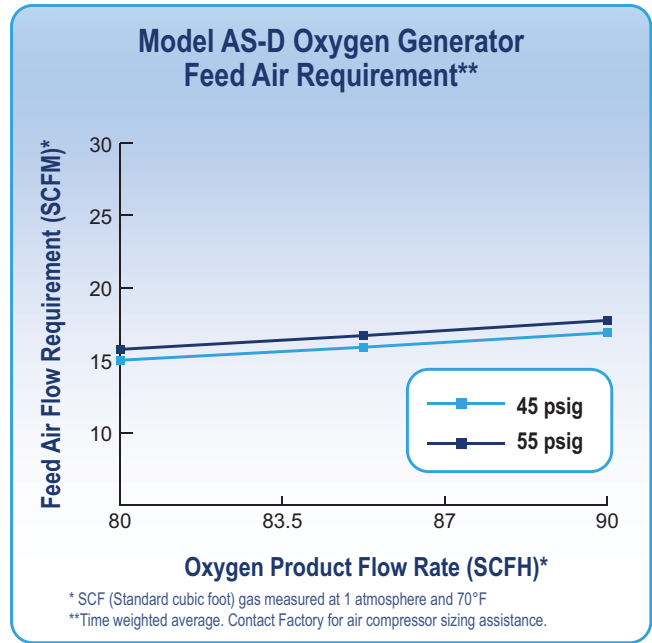
Product Flow	80 – 90 SCFH (2.10 – 2.37 Nm <sup>3</sup> /hr or 37 – 42 SLPM) <sup>1</sup>
Product Pressure	45 – 55 psig (310 – 379 kPa or 3.0 – 3.7 barg) <sup>1</sup>
Product Concentration	Up to 95%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (Nominal)	20 x 16 x 60 in (51 x 41 x 152 cm)
Weight	361 lb (164 kg)
Physical Connections <sup>2</sup>	
Compressed Air Inlet	¼" FNPT
Product Gas Outlet	¼" 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)
Storage	
Temperature	-13°F (-25°C) to 131°F (55°C)
Humidity	0-90% (non-condensing)
Feed Air Requirements	Flow Rate: <i>Refer to chart on reverse page.</i> Clean and Dry "Plant Air" (Class 5.6.4 per ISO 8573.1) Pressure: 90 psig (621 kPa or 6.2 barg) minimum Temperature: 122°F (50°C) maximum
Control Power Requirements (Single Phase)	120 V ~ ±10%, 50/60 Hz, 1.0 A or 220 V ~ ±10%, 50/60 Hz, 0.5 A
NRTL Certifications and Approvals	ASME Section VIII Division 1, CAN/CSA-C22.2 No. 61010-1-12, ANSI/UL Std. No. 61010-1:2012 (120 V configurations only)
<b>60 Gallon Oxygen Receiver</b>	
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 (21°C) / Nm<sup>3</sup> (Normal cubic meter) gas measured at 1 atmosphere and 32°F (0°C) / SLPM (Standard liters per minute) gas measured at 1 atmosphere and 70°F (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-D	AS102-1	120 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS102-2	220 V ~ ±10%, 50/60 Hz <sup>1</sup>
	AS102-9	With CE Approved Vessels, 220 V ~ ±10%, 50/60 Hz <sup>1</sup>
Required Accessories	TA150-1	60 Gallon Oxygen Receiver
	KI411-1	Accessory Kit (interconnecting hoses/fittings and oxygen regulator)
Optional Accessories	TA150-2	60 Gallon Oxygen Receiver, CE-PED
	KI411-2	Accessory Kit (interconnecting hoses/fittings, oxygen regulator and oxygen filter)
	KI474-1	Accessory Kit (10 ft stainless braided oxygen hose - from oxygen regulator to use point)
	KI404-1	Accessory Kit (manual switch-over manifold for cylinder backup)
	AN021-1	Oxygen Analyzer (Maxtec Handi)
	AN005-1	Oxygen Analyzer (Maxtec Max O <sub>2</sub> Plus)
	AN075-1	Oxygen Analyzer/Sensor (Maxtec Max O <sub>2</sub> Plus)
<b>Shipping Information</b>	<b>AS-D</b>	<b>60 Gallon Oxygen Receiver</b>
Class	92.5	70
Commodity Classification Number	8421.39.8040	7311.00.0000
Dimensions (L x W x H)	69 x 29 x 25 in (175 x 74 x 64 cm) with Accessory Kit(s), Crated 69 x 29 x 25 in (175 x 74 x 64 cm) with Accessory Kit(s) and CE Beds, Crated	30 x 28 x 56 in (76 x 71 x 142 cm)
Approximate Gross Weight	458 lb (208 kg) with Accessory Kit(s), Crated 490 lb (222 kg) with Accessory Kit(s) and CE Beds, Crated	174 lb (79 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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1533 SW 1st Way, Suite F19  
 Deerfield Beach, FL 33441  
 Office: 954-725-1470  
 Email: orders@medicalgassupplier.com