PSA Oxygen Generator

AS-W

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
- HMI NEMA 4 Touchscreen control panel with integrated oxygen concentration monitor

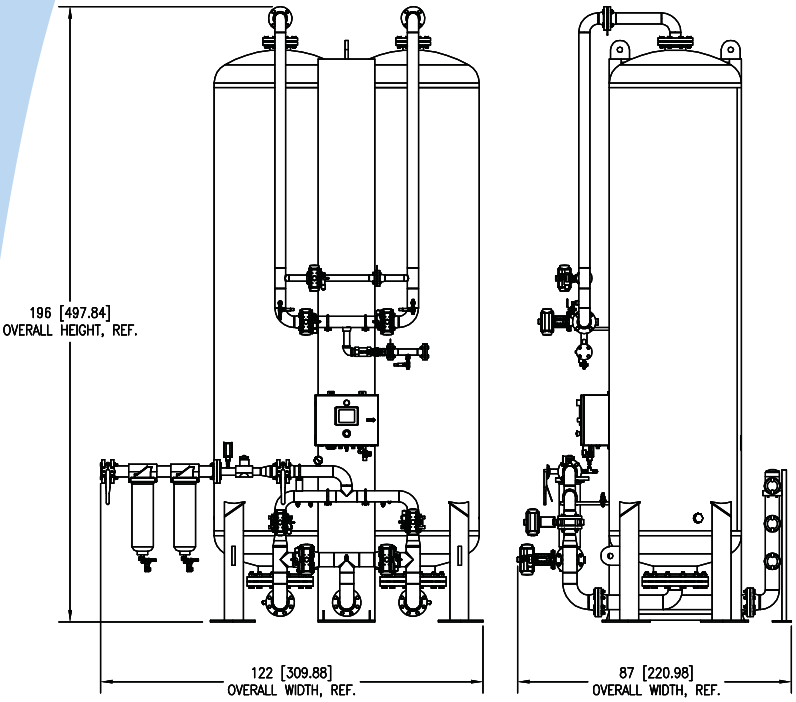
Typical Applications

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

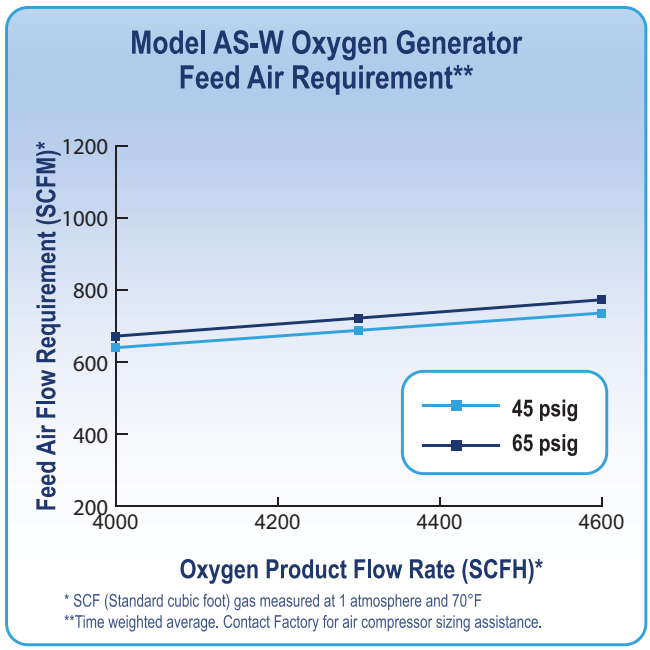
Specifications

Product Flow	4,000 – 4,600 SCFH (105.15 – 120.93 Nm^3/hr or 1,887 – 2,170 SLPM)[1]
Product Pressure	45 – 65 psig (310 – 448 kPa or 3.0 – 4.4 barg)[1]
Product Concentration	Up to 95%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H)[2] (Nominal)	122 x 87 x 196 in (310 x 221 x 498 cm)
Weight[2]	17,012 lb (7,717 kg)
Physical Connections Compressed Air Inlet Product Gas Outlet	 3" 150# ANSI Flange 1" NPT
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 Humidity	 -13ºF (-25ºC) to 131ºF (55ºC) 0-90% (non-condensing)
Feed Air Requirements	Flow Rate: *Refer to chart on reverse page.* 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, 3.0 A or 220 V ~ ±10%, 50/60 Hz, 1.0 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 (for 120 V configurations only)
1,550 Gallon Oxygen Receiver	
Dimensions (Dia. x H)	62 x 180 in (157 x 457 cm)
Weight	2,500 lb (1,134 kg)

[1] SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F (21ºC) / Nm^3 (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)
[2] Includes filter assembly which is shipped separately, field assembly (by others) required.



Note: All dimensions are nominal.



* SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F
**Time weighted average. Contact Factory for air compressor sizing assistance.

Ordering Information

Model	Part Number	Description
AS-W	AS111-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz[1]
	AS111-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz[1]
	AS111-21	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz[1]
Required Accessories	TA085-1	1,550 Gallon Oxygen Receiver
Optional Accessories	RG106-1	Regulator, Oxygen, 1½" (30 – 80 psig, 2,400 – 8,000 SCFH)
	KI375-12	Carbon Filter Add-On Kit
	AN021-1	Oxygen Analyzer (Maxtec Handi)
	AN005-1	Oxygen Analyzer (Maxtec Max O_2 Plus)
	AN075-1	Oxygen Analyzer/Sensor (Maxtec Max O_2 Plus)

Shipping Information	AS-W	1,550 Gallon Oxygen Receiver
Class	92.5	70
Commodity Classification Number	8421.39.8040	7311.00.0000
Dimensions (L x W x H)	204 x 88 x 88 in (518 x 224 x 224 cm) Generator (No Pallet) 48 x 48 x 22 in (122 x 122 x 56 cm) Filter and Pallet 48 x 48 x 22 in (122 x 122 x 56 cm) Silencer and Pallet 48 x 48 x 22 in (122 x 122 x 56 cm) Silencer Bracket Pallet	182 x 72 x 69 in (462 x 183 x 406 cm)
Approximate Gross Weight	16,310 lb (7,398 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	3,170 lb (1,438 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.

[1] 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.

MADE IN USA