

PSA Oxygen Generator

AS-P



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
- NEMA 4 Touchscreen control panel with integrated oxygen concentration monitor (available on some models)

Typical Applications

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

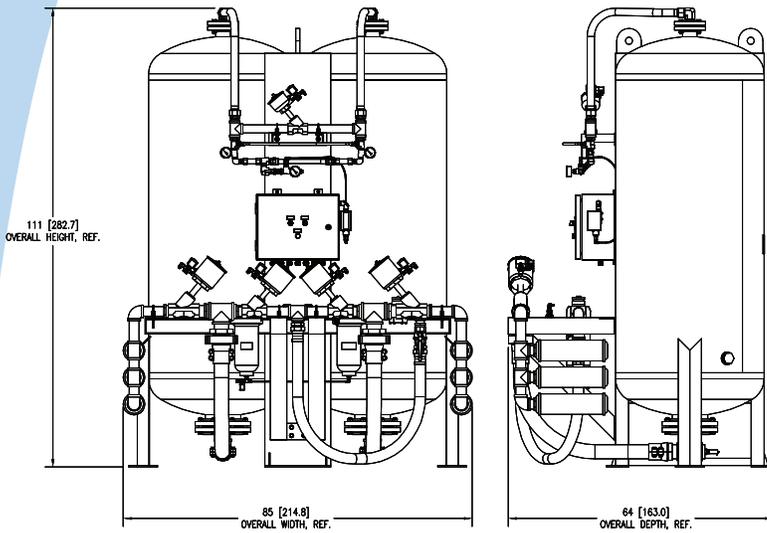
Specifications

Product Flow	2,000 – 2,300 SCFH (52.58 – 60.46 Nm ³ /hr or 943 – 1,085 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) (Nominal)	85 x 64 x 111 in (216 x 163 x 282 cm)
Weight	6,250 lb (2,835 kg)
Physical Connections Compressed Air Inlet Product Gas Outlet	1½" FNPT 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)
Storage Temperature Humidity	-13°F (-25°C) to 131°F (55°C) 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, 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)

660 Gallon Oxygen Receiver

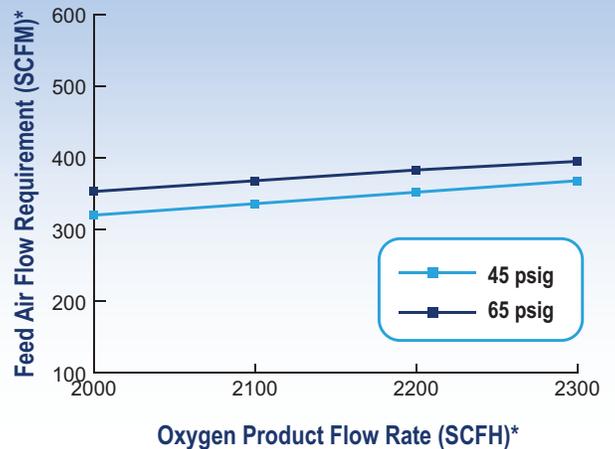
Dimensions (Dia. x H)	42 x 128 in (107 x 325 cm)
Weight	1,300 lb (590 kg)

¹ SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F (21°C) / Nm³ (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)



Note: All dimensions are nominal.

Model AS-P Oxygen Generator Feed Air Requirement**



* 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-P	AS093-1	120 V ~ ±10%, 50/60 Hz ¹
	AS093-2	220 V ~ ±10%, 50/60 Hz ¹
	AS093-3	With NEMA 4 Pressure Switch, 120 V ~ ±10%, 50/60 Hz ¹
	AS093-4	With NEMA 4 Pressure Switch, 220 V ~ ±10%, 50/60 Hz ¹
	AS093-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz ¹
	AS093-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz ¹
	AS093-10	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 120 V ~ ±10%, 50/60 Hz ¹
	AS093-11	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 220 V ~ ±10%, 50/60 Hz ¹
	AS093-12	With oxygen concentration monitor (LED indicator), 120 V ~ ±10%, 50/60 Hz ¹
	AS093-13	With oxygen concentration monitor (LED indicator), 220 V ~ ±10%, 50/60 Hz ¹
	AS093-21	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz ¹
Required Accessories	TA079-1	660 Gallon Oxygen Receiver
Optional Accessories	RG086-1	Regulator, Oxygen, 1" (30 – 80 psig, 2,000 – 5,000 SCFH)
	KI375-8	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-P	660 Gallon Oxygen Receiver
Class	92.5	70
Commodity Classification Number	8421.39.8040	7311.00.0000
Dimensions (L x W x H)	114 x 88 x 72 in (290 x 224 x 183 cm) with Filter and Pallet	134 x 48 x 47 in (340 x 122 x 119 cm)
Approximate Gross Weight	6,710 lb (3,044 kg) with Filter and Pallet	1,520 lb (689 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.



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260 Creekside Drive
Buffalo, NY 14228-2075 U.S.A.
Tel: (716) 691-0202 ■ Fax: (716) 691-1255
www.airsep.com ■ info@airsep.com
ML-IND0018 E