

PSA Oxygen Generator

AS-L



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

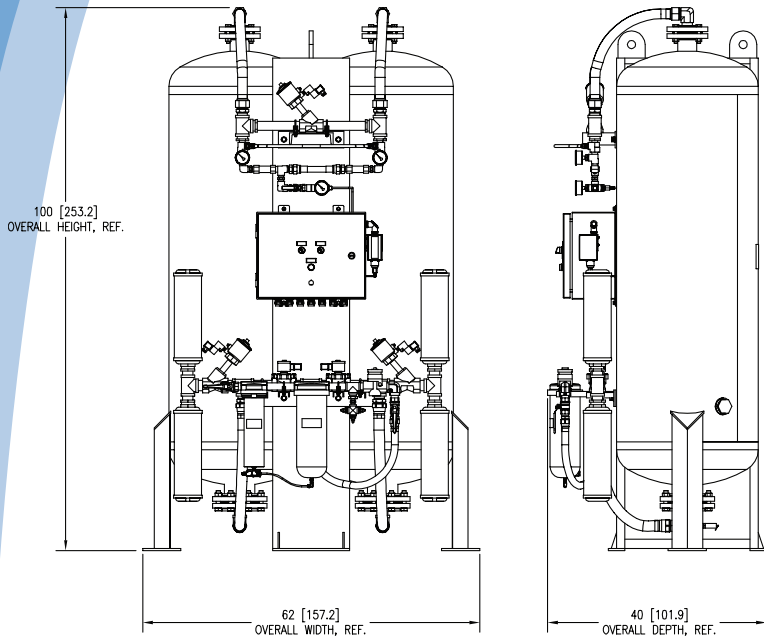
Specifications

AS-L

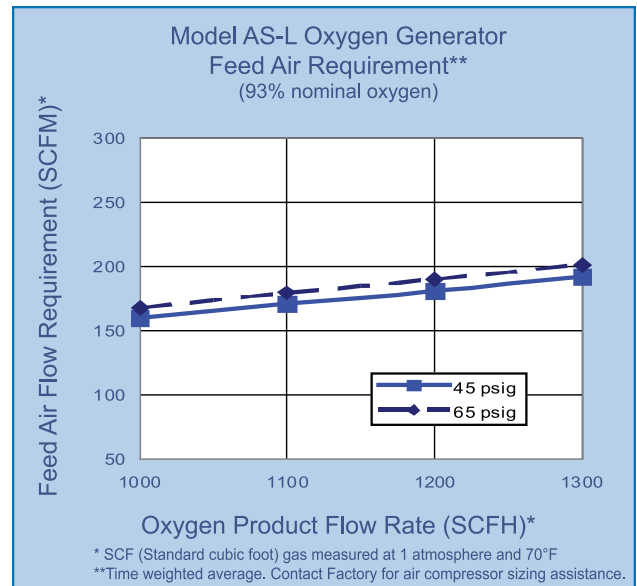
Product Characteristics	
Product Flow	1,000 - 1,300 SCFH (26.29 - 34.18 Nm ³ /hr or 471 - 613 LPM) ¹
Product Pressure	45-65 psig (310-448 kPa) ¹
Product Concentration	95% ±1%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (nominal)	62 x 40 x 100 in (158 x 102 x 254 cm)
Weight	3,400 lb (1,542 kg)
Physical Connections ² Compressed Air Inlet Product Gas Outlet	1" 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)
Feed Air Requirements	Flow Rate: Refer to chart on reverse page. 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
290 Gallon Oxygen Receiver Characteristics	
400 Gallon Oxygen Receiver Characteristics	
Sizing Requirement	For flows up to 1,199 SCFH (31.52 Nm ³ /hr) ¹
Dimensions (Dia. x H)	37 x 80 in (94 x 202 cm)
Weight	500 lb (227 kg)
	For flows above 1,199 SCFH (31.52 Nm ³ /hr) ¹
	37 x 110 in (94 x 279 cm)
	600 lb (272 kg)

¹ SCF (Standard cubic foot) gas measured at 1 atmosphere and 70°F / Nm³ (Normal cubic meter) gas measured at 1 atmosphere and 0°C

² Hose and applicable adapters included with optional Factory-supplied accessory kits.



Note: All dimensions are nominal.



Ordering Information

Model	Part Number	Description	
AS-L	AS107-1	120 V ~ ±10%, 50/60 Hz ¹	
	AS107-2	220 V ~ ±10%, 50/60 Hz ¹	
	AS107-3	With NEMA 4 Pressure Switch, 120 V ~ ±10%, 50/60 Hz ¹	
	AS107-4	With NEMA 4 Pressure Switch, 220 V ~ ±10%, 50/60 Hz ¹	
	AS107-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz ¹	
	AS107-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz ¹	
	AS107-10	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 120 V ~ ±10%, 50/60 Hz ¹	
	AS107-11	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 220 V ~ ±10%, 50/60 Hz ¹	
	AS107-12	With oxygen concentration monitor (LED indicator), 120 V ~ ±10%, 50/60 Hz ¹	
	AS107-13	With oxygen concentration monitor (LED indicator), 220 V ~ ±10%, 50/60 Hz ¹	
	AS107-16	With China Approved Vessels, 220 V ~ ±10%, 50/60 Hz ¹	
	Accessories	TA152-1	290 Gallon Oxygen Receiver
		TA153-1	400 Gallon Oxygen Receiver
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-L	290 Gallon Oxygen Receiver	400 Gallon Oxygen Receiver
Class	92.5	70	70
Commodity Classification Number	8421.39.8040	7311.00.0000	7311.00.0000
Dimensions (W x D x H)	66 x 105 x 50 in (168 x 267 x 127 cm) with Accessory Kit(s) and Filter with Pallet 67 x 106 x 56 in (170 x 269 x 142 cm) with Accessory Kit(s) and Filter with Pallet, Crated	48 x 48 x 86 in (122 x 122 x 218 cm)	40 x 114 x 42 in (102 x 290 x 107 cm)
Gross Weight	3,750 lb (1,701 kg) with Accessory Kit(s) and Filter with Pallet 4,135 lb (1,876 kg) with Accessory Kit(s) and Filter with Pallet, Crated	600 lb (272 kg)	700 lb (318 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.

Copyright (C) 2014 Chart Industries
CAIRE Inc./Chart SeQual Technologies Inc./Chart Inc./AirSep Corp. reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence.
All rights not expressly stated herein are reserved by us, as applicable.



A Chart Industries Company

260 Creekside Drive
Buffalo, NY 14228-2075 U.S.A.

Tel: (716) 691-0202 • Fax: (716) 691-1255

www.airsepcpd.com • cpd@airsep.com

ML-IND0016 E