

PSA Oxygen Generator

AS-Q



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

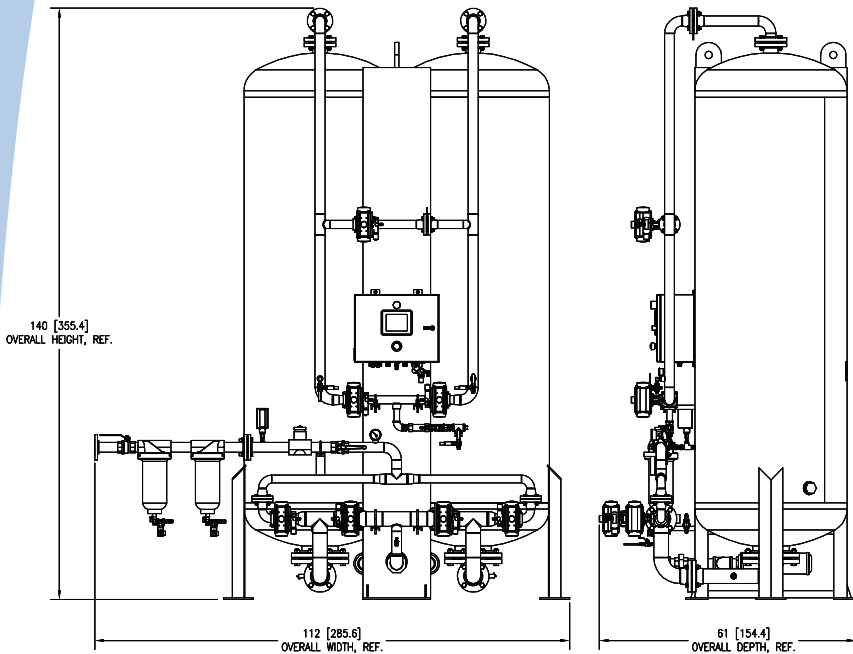
Specifications

AS-Q

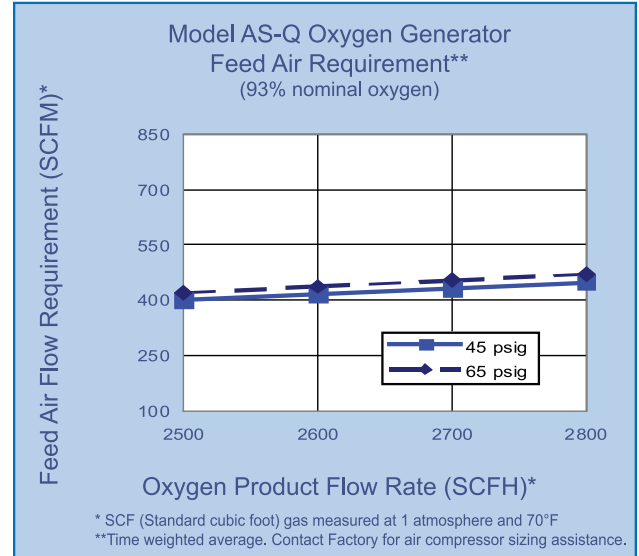
Product Characteristics	
Product Flow	2,500 - 2,800 SCFH (65.72 - 73.61 Nm ³ /hr or 1,179 - 1,321 LPM) ¹
Product Pressure	45-65 psig (310-448 kPa) ¹
Product Concentration	95% ±1%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) ² (nominal)	112 x 61 x 140 in (284 x 155 x 356 cm)
Weight ²	8,025 lb (3,640 kg)
Physical Connections Compressed Air Inlet Product Gas Outlet	2" 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)
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
660 Gallon Oxygen Receiver Characteristics	
Dimensions (Dia. x H)	49 x 129 in (125 x 328 cm)
Weight	1,300 lb (590 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 Includes filter assembly which is shipped separately, field assembly (by others) required.



Note: All dimensions are nominal.



Ordering Information

Model	Part Number	Description
AS-Q	AS109-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz ¹
	AS109-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz ¹
Accessories	TA079-1	660 Gallon Oxygen Receiver
Shipping Information		AS-Q
		660 Gallon Oxygen Receiver
Class		92.5
Commodity Classification Number		8421.39.8040
Dimensions (W x D x H)		84 x 144 x 68 in (213 x 366 x 173 cm) Generator (No Pallet) 48 x 48 x 16 in (122 x 122 x 41 cm) Filter(s) and Pallet
Gross Weight		7,950 lb (3,606 kg) Generator (No Pallet) 128 lb (58 kg) Filter(s) and 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.

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.

AIRSEP[®]

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-IND0019 D