

PSA Oxygen Generator

AS-N



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

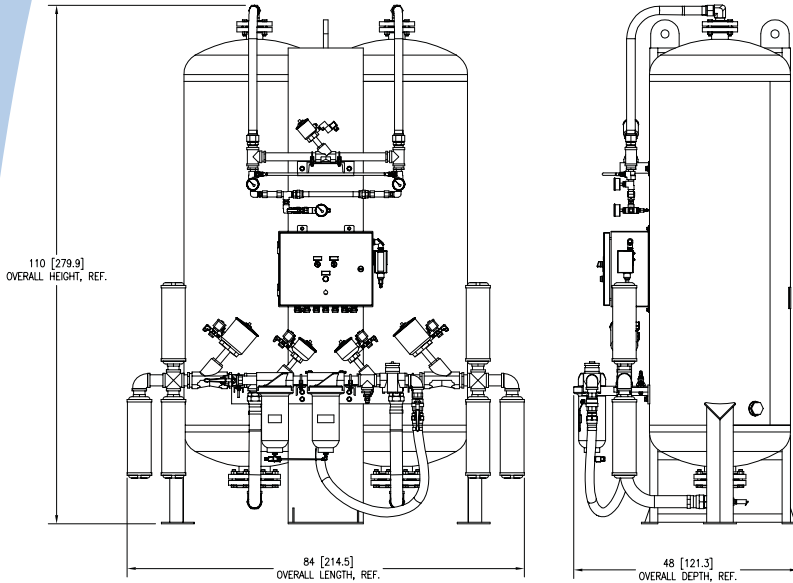
Specifications

AS-N

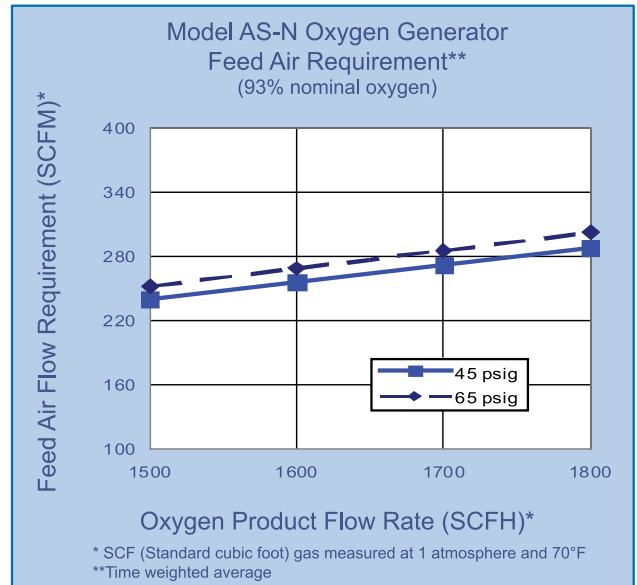
Product Characteristics	
Product Flow	1,500 - 1,800 SCFH (39.43 - 47.32 Nm ³ /hr) ¹
Product Pressure	45-65 psig (310-448 kPa) ¹
Product Concentration (nominal)	93%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (nominal)	84 x 48 x 110 in (213 x 122 x 279 cm)
Weight	4,950 lb (2,245 kg)
Physical Connections ²	
Compressed Air Inlet	1½" FNPT
Product Gas Outlet	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: <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 240 V ~ ±10%, 50/60 Hz, 1.0 A
400 Gallon Oxygen Receiver Characteristics	
Dimensions (Dia. x H)	37 x 110 in (94 x 279 cm)
Weight	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-N	AS092-1	120 V ~ ±10%, 50/60 Hz ¹
	AS092-2	240 V ~ ±10%, 50/60 Hz ¹
	AS092-3	With NEMA 4 Pressure Switch, 120 V ~ ±10%, 50/60 Hz ¹
	AS092-4	With NEMA 4 Pressure Switch, 240 V ~ ±10%, 50/60 Hz ¹
	AS092-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz ¹
	AS092-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 240 V ~ ±10%, 50/60 Hz ¹
	AS092-10	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 120 V ~ ±10%, 50/60 Hz ¹
	AS092-11	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 240 V ~ ±10%, 50/60 Hz ¹
	AS092-12	With oxygen concentration monitor (LED indicator), 120 V ~ ±10%, 50/60 Hz ¹
	AS092-13	With oxygen concentration monitor (LED indicator), 240 V ~ ±10%, 50/60 Hz ¹
	AS092-16	With China Approved Vessels, 240 V ~ ±10%, 50/60 Hz ¹

Accessories TA153-1 400 Gallon Oxygen Receiver
(contact factory)

Shipping Information	AS-N	400 Gallon Oxygen Receiver
Class	92.5	70
Commodity Classification Number	8421.39.8040	7311.00.0000
Dimensions (W x D x H)	88 x 114 x 55 in (224 x 290 x 140 cm) with Filter and Pallet	40 x 114 x 42 in (102 x 290 x 107 cm)
Gross Weight	5,430 lb (2,463 kg) with Filter and Pallet	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.