

PSA Oxygen Generator

AS-P



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

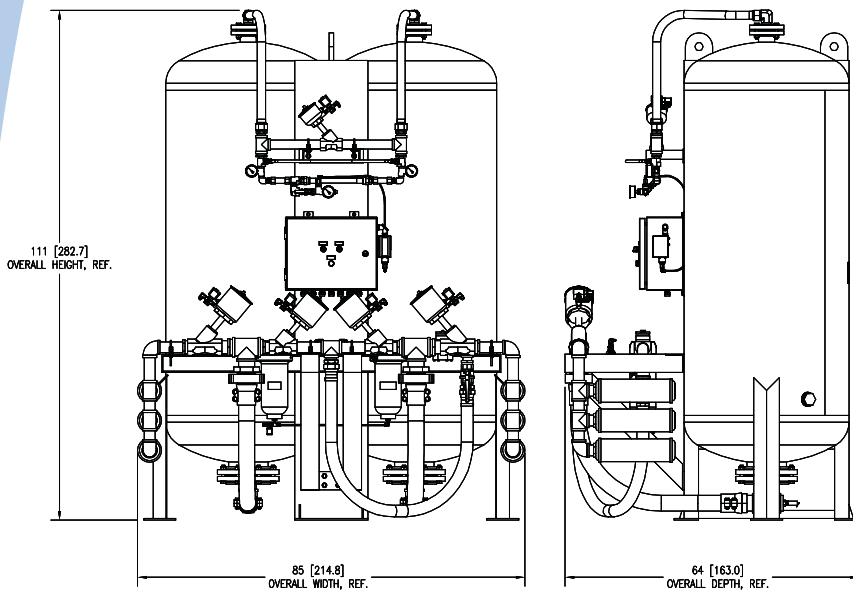
- Fish Farming

Specifications

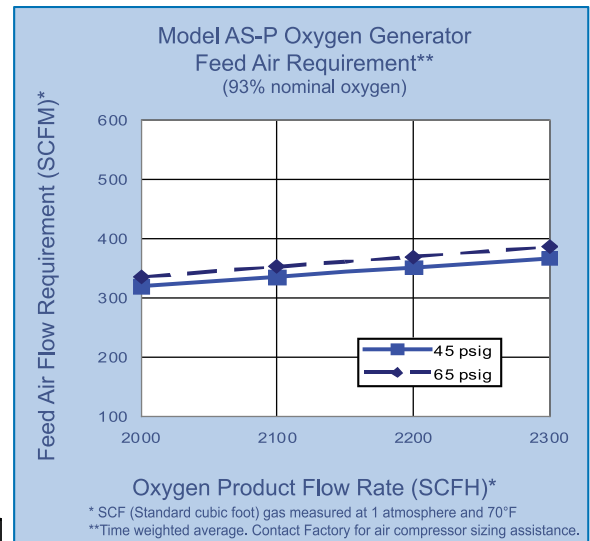
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Product Characteristics	
Product Flow	2,000 - 2,300 SCFH (52.58 - 60.46 Nm ³ /hr or 943 - 1,085 LPM) ¹
Product Pressure	45-65 psig (310-448 kPa) ¹
Product Concentration (nominal)	93%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (nominal)	85 x 64 x 111 in (216 x 163 x 282 cm)
Weight	6,250 lb (2,835 kg)
Physical Connections	
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 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 / LPM (Liters per minute) gas measured at 1 atmosphere and 21°C



Note: All dimensions are nominal.



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	
	Accessories	TA079-1	660 Gallon Oxygen Receiver
	Shipping Information		AS-P
			660 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 72 in (224 x 290 x 183 cm) with Filter and Pallet	44 x 132 x 50 in (112 x 335 x 127 cm)	
Gross Weight	6,710 lb (3,044 kg) with Filter and Pallet	1,500 lb (680 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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