

PSA Oxygen Generator

AS-D+



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

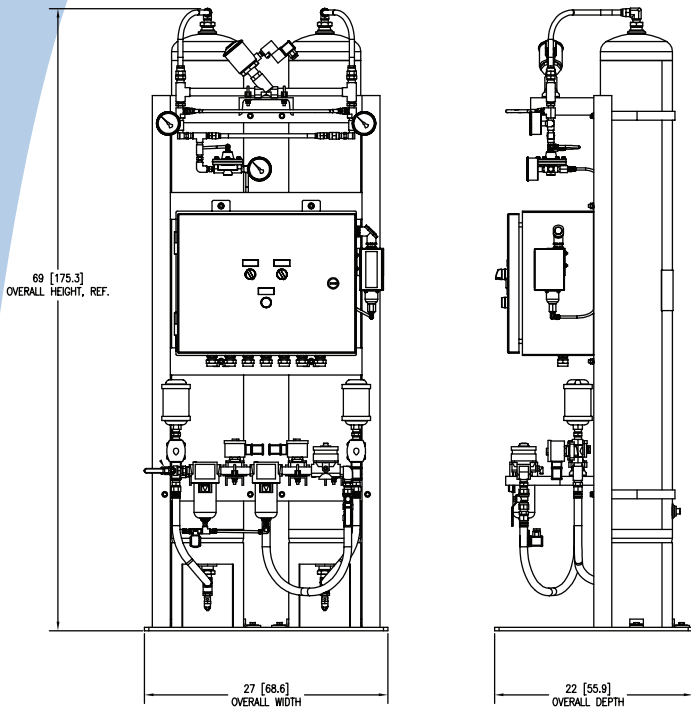
Specifications

AS-D+

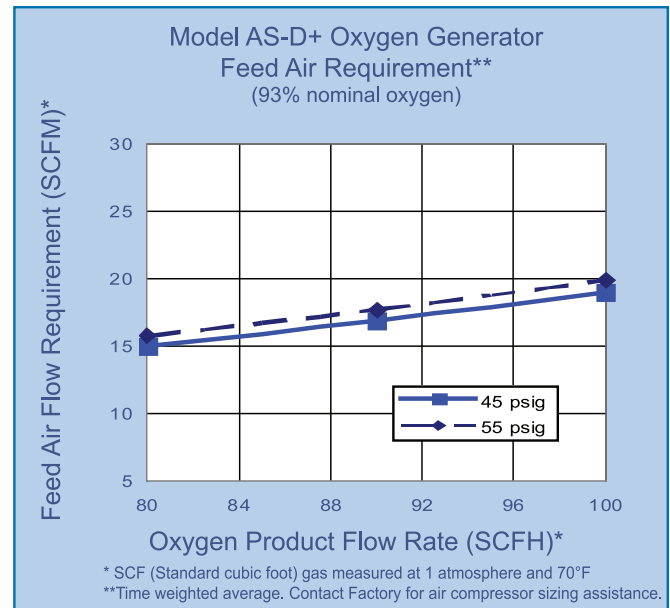
Product Characteristics	
Product Flow	80 - 100 SCFH (2.10 - 2.63 Nm ³ /hr) ¹
Product Pressure	45-65 psig (310-448 kPa) ¹
Product Concentration (nominal)	93%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (nominal)	27 x 22 x 69 in (69 x 56 x 175 cm)
Weight	498 lb (226 kg)
Physical Connections ²	
Compressed Air Inlet	3/8" FNPT
Product Gas Outlet	1/4" 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
60 Gallon Oxygen Receiver Characteristics	
Dimensions (Dia. x H)	26 x 52 in (65 x 131 cm)
Weight	159 lb (72 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	
	AS097-1	120 V ~ ±10%, 50/60 Hz ¹	
	AS097-2	220 V ~ ±10%, 50/60 Hz ¹	
	AS097-3	With NEMA 4 Pressure Switch, 120 V ~ ±10%, 50/60 Hz ¹	
	AS097-4	With NEMA 4 Pressure Switch, 220 V ~ ±10%, 50/60 Hz ¹	
	AS097-7	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz ¹	
AS-D+	AS097-8	With HMI NEMA 4 Touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz ¹	
	AS097-9	With CE Vessels, 220 V ~ ±10%, 50/60 Hz ¹	
	AS097-10	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 120 V ~ ±10%, 50/60 Hz ¹	
	AS097-11	With NEMA 4 Pressure Switch/ Local Remote ON/OFF, 220 V ~ ±10%, 50/60 Hz ¹	
	AS097-12	With oxygen concentration monitor (LED indicator), 120 V ~ ±10%, 50/60 Hz ¹	
	AS097-13	With oxygen concentration monitor (LED indicator), 220 V ~ ±10%, 50/60 Hz ¹	
	TA150-1	60 Gallon Oxygen Receiver	
Accessories	KI425-1	Accessory Kit (interconnecting hoses/fittings and oxygen regulator)	
	KI425-3	Accessory Kit (HMI, interconnecting hoses/fittings, isolation valves with oxygen regulator and oxygen filter)	
	KI474-1	Accessory Kit (oxygen hose - oxygen regulator to use point)	
	KI404-1	Accessory Kit (manual switch-over manifold for cylinder backup)	
Shipping Information		AS-D+	60 Gallon Oxygen Receiver
Class		92.5	70
Commodity Classification Number		8421.39.8040	7311.00.0000
Dimensions (W x D x H)		34 x 41 x 83 in (86 x 104 x 211 cm) with Accessory Kit(s), Boxed 34 x 41 x 85 in (86 x 104 x 216 cm) with Accessory Kit(s), Crated	28 x 30 x 56 in (71 x 76 x 142 cm)
Gross Weight		549 lb (249 kg) with Accessory Kit(s), Boxed 605 lb (274 kg) with Accessory Kit(s), Crated	177 lb (80 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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