

Oxygen
generator

Elektravägen 53
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www.ozonetech.com

AS-R

Alpha-Series Oxygen Generators produce from 0.56 to 141.58 m³ (20 to 5,000 ft³) 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.



Specification

Product characteristics	
Product flow	78.86-97.27 Nm ³ /h (3,000-3,700 SCFH) ¹
Product pressure	310-448 kPa (45-65 psig) ¹
Product concentration (nominal)	93%
Product dew point	-73 °C (-100 °F)
Dimensions (W x D x H) (nominal)	290 x 185 x 399 cm (114 x 73 x 157 in)
Weight	5 854 kg (12 906 lb)
Physical connections ²	
Compressed air inlet	3" 150# ANSI Flange
Product gas outlet	1" NPT
Ambient operating conditions	
	Locate the oxygen generator in a well ventilated area that is protected from weather elements and remains between 4 °C (40 °F) and 40 °C (104 °F)
Feed air requirements	
	Flow rate: refer to chart on next page. Clean and dry "Plant Air" (Class 5.6.5 per ISO 8573.1) Pressure: 621 kPa (90 psig) minimum Temperature: 50°C (122°F) 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



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Specification

4,013 Liters/1,060 gallon oxygen receiver characteristics

Dimensions (Dia. x H)	142 x 386 cm (56 x 152 in)
Weight	907 kg (2,000 lb)

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

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

Typical applications

Medical

- Hospital systems

Manufacturing

- Thermal/chemical oxidation
- Brazing/soldering/cutting

Environmental

- Ozone (generator) feed gas
- Environmental remediation
- Waste/water treatment

Glass industry

- Glass work/manufacturing/blowing

Additional

- Fish farming

Features

- Produces oxygen from an independent compressed air source
- HMI NEMA 4 touchscreen control panel with integrated oxygen concentration monitor
- Microprocessor controlled
- Low operating cost
- Automatic and unattended operation
- Easy to install and maintain

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Ordering information

Model	Part number	Description
AS-R	AS110-7	With HMI NEMA 4 touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz ¹
	AS110-8	With HMI NEMA 4 touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz ¹
Accessories	TA082-1	4,013 Liters/1,060 gallon oxygen receiver
Shipping information	AS-R	2,498 Liters/660 gallon oxygen receiver
Class	92.5	70
Commodity classification number	8421.39.8040	7311.00.0000
Dimensions (W x D x H)	221 x 401 x 191 cm (87 x 158 x 75 in) generator (no pallet) 122 x 122 x 56 cm (48 x 48 x 22 in) filter and pallet	132 x 396 x 152 cm (52 x 156 x 60 in)
Gross weight	5,770 kg (12,720 lb) generator (no pallet) 109 kg (240 lb) filter and pallet	998 kg (2,200 lb)

¹ Specify oxygen flow and pressure at time of order.

An unprotected or inadequately ventilated environment, or improper control power may cause damage to the oxygen generator. All performance ratings based on an ambient temperature up to 38 °C (100 °F), up to 304.8 meters (1,000 feet) elevation, and 80% relative humidity.

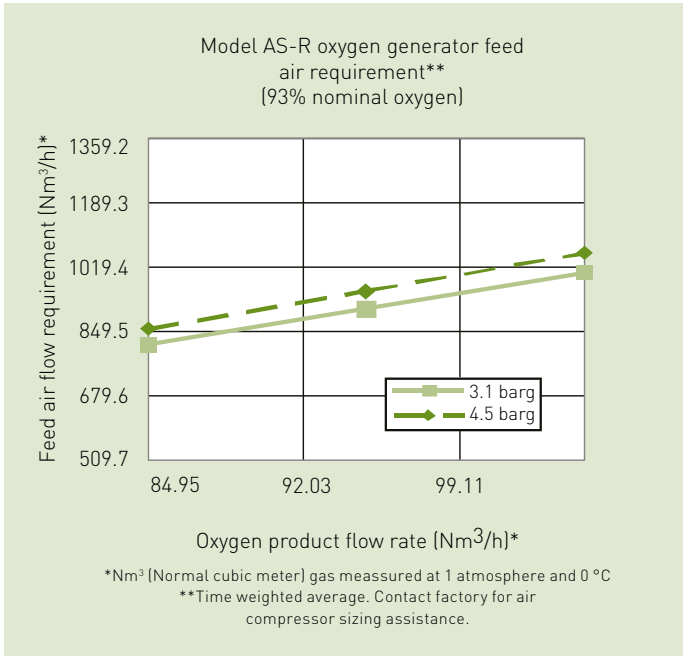
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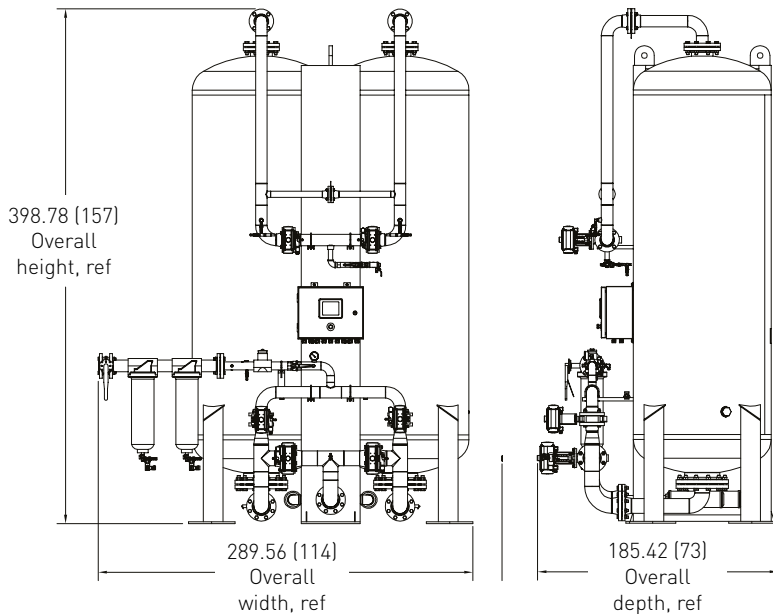
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Note: All dimensions are nominal



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