Oxygen generator

Elektravägen 53
SE-126 30 Hägersten, Sweden
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www.ozonetech.com

AS-K

Alpha-Series Oxygen Generators produce from 0.56 to 141.58 m^3 (20 to 5,000 ft^3) 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	19.72-23.66 Nm^3/h (750-900 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)	147 x 97 x 231 cm (58 x 38 x 91 in)
Weight	1,220 kg (2,690 lb)
Physical connections[2]	
Compressed air inlet	¾" 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 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

1,098 Liters/290 gallon oxygen receiver characteristics	
Dimensions (Dia. x H)	94 x 202 cm (37 x 80 in)
Weight	227 kg (500 lb)

[1] Nm^3 (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
- Optional 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-K	AS106-1	120 V ~ ±10%, 50/60 Hz[1]
	AS106-2	220 V ~ ±10%, 50/60 Hz[1]
	AS106-3	With NEMA 4 pressure switch, 120 V ~ ±10%, 50/60 Hz[1]
	AS106-4	With NEMA 4 pressure switch, 220 V ~ ±10%, 50/60 Hz[1]
	AS106-7	With HMI NEMA 4 touchscreen and oxygen concentration monitor, 120 V ~ ±10%, 50/60 Hz[1]
	AS106-8	With HMI NEMA 4 touchscreen and oxygen concentration monitor, 220 V ~ ±10%, 50/60 Hz[1]
	AS106-10	With NEMA 4 pressure switch/local remote ON/OFF, 120 V ~ ±10%, 50/60 Hz[1]
	AS106-11	With NEMA 4 pressure switch/local remote ON/OFF, 220 V ~ ±10%, 50/60 Hz[1]
	AS106-12	With oxygen concentration monitor (LED indicator), 120 V ~ ±10%, 50/60 Hz[1]
	AS106-13	With oxygen concentration monitor (LED indicator), 220 V ~ ±10%, 50/60 Hz[1]
	AS106-16	With China approved vessels, 220 V ~ ±10%, 50/60 Hz[1]
Accessories	TA152-1	1,098 Liters/290 gallon oxygen receiver
	KI414-1	Accessory kit (interconnecting hoses/ fittings and oxygen regulator)
	KI414-3	Accessory kit (HMI, interconnecting hoses/fittings, isolation valves with oxygen regulator and oxygen filter)
	KI477-1	Accessory kit (oxygen hose - oxygen regulator to use point)

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Ordering information

Shipping information	AS-K	1 098 Liters/290 gallon oxygen receiver
Class	92.5	70
Commodity classification number	8421.39.8040	7311.00.0000
Dimensions (W x D x H)	152 x 234 x 127 cm (60 x 96 x 50 in) with accessory kit(s) and filter with pallet 155 x 246 x 142 cm (61 x 97 x 56 in) with accessory kit(s) and filter with pallet, crated	122 x 122 x 218 cm (48 x 48 x 86 in)
Gross weight	1,356 kg (2,990 lb) with accessory kit(s) and filter with pallet 1,469 kg (3,238 lb) with accessory kit(s) and filter with pallet, crated	272 kg (600 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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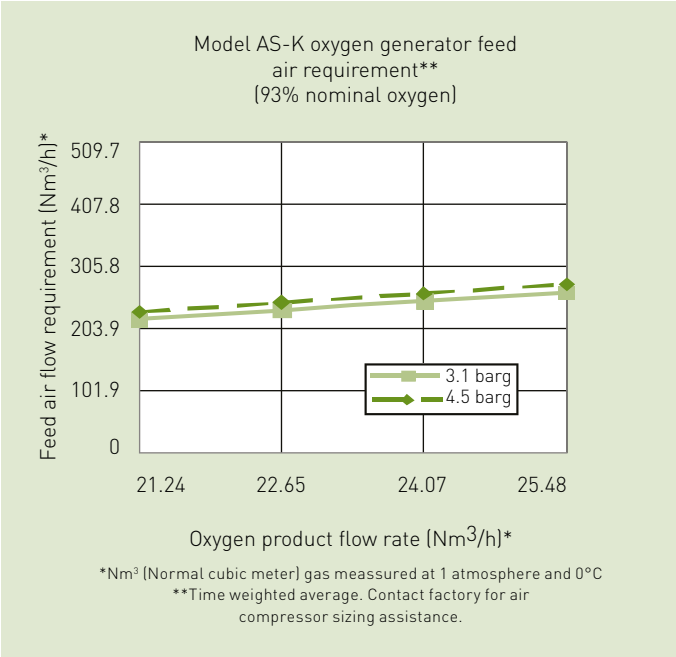
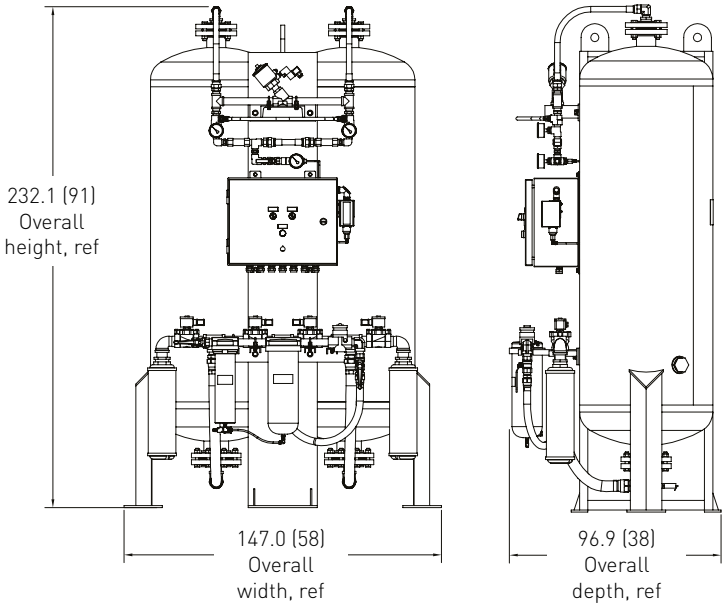


*Nm³ (Normal cubic meter) gas meassured at 1 atmosphere and 0°C
**Time weighted average. Contact factory for air compressor sizing assistance.

Note: All dimensions are nominal



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