

Oxygen
generator

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AS-B

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 | 1,18-1,45 Nm ³ /h (20-25 SCFH) ¹ |
| Product pressure | 310-345 kPa (45-50 psig) ¹ |
| Product concentration (nominal) | 93% |
| Product dew point | -73 °C (-100 °F) |
| Dimensions (W x D x H) (nominal) | 43 x 38 x 147 cm (17 x 15 x 58 in) |
| Weight | 112 kg (246 lb) |
| Physical connections ² | |
| Compressed air inlet | ¼" FNPT |
| Product gas outlet | ¼" FNPT |
| Ambient operating conditions | |
| | Locate the oxygen generator in a wellventilated 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, 1.0 A or 220 V ~ ±10%, 50/60 Hz, 0.5 A |



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Specification

227 Liters/60 Gallon Oxygen Receiver Characteristics

Dimensions (Dia. x H) 65 x 131 cm (26 x 52 in)

Weight 72 kg (159 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

- Cutting/brazing/soldering
- Thermal/chemical oxidation

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
- 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-B | AS101-1 | 120 V ~ ±10%, 50/60 Hz ¹ |
| | AS101-2 | 220 V ~ ±10%, 50/60 Hz ¹ |
| Accessories | TA150-1 | 227 Liter/60 gallon syrgasmottagare |
| | KI410-1 | Tillbehörspaket (sammanbindande slangar/kopplingar och syrgasregulator) |
| | KI474-1 | Tillbehörspaket (syrgasslang – syrgasregulator till användningspunkt) |
| | KI404-1 | Tillbehörspaket (manuell omkoppling grenrör för cylinderbackup) |
| Shipping information | AS-B | 227 Liters/60 gallon oxygen receiver |
| Class | 92.5 | 70 |
| Commodity classification number | 8421.39.8040 | 7311.00.0000 |
| Dimensions (W x D x H) | 61 x 165 x 58 cm (24 x 65 x 23 in) with accessory kit(s), boxed 75 x 165 x 64 cm (29 x 65 x 25 in) with accessory kit(s), crated 64 x 165 x 61 cm (25 x 65 x 24 in) with accessory kit(s) and CE beds, crated | 71 x 76 x 142 cm (28 x 30 x 56 in) |
| Gross weight | 134 kg (295 lb) with accessory kit(s), boxed 171 kg (378 lb) with accessory kit(s), crated 149 kg (328 lb) with accessory kit(s) and CE beds, crated | 80 kg (177 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.

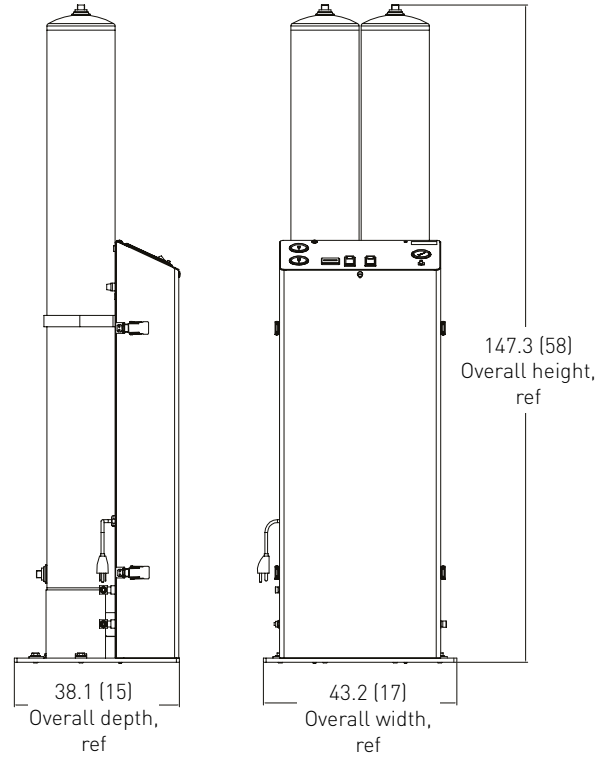
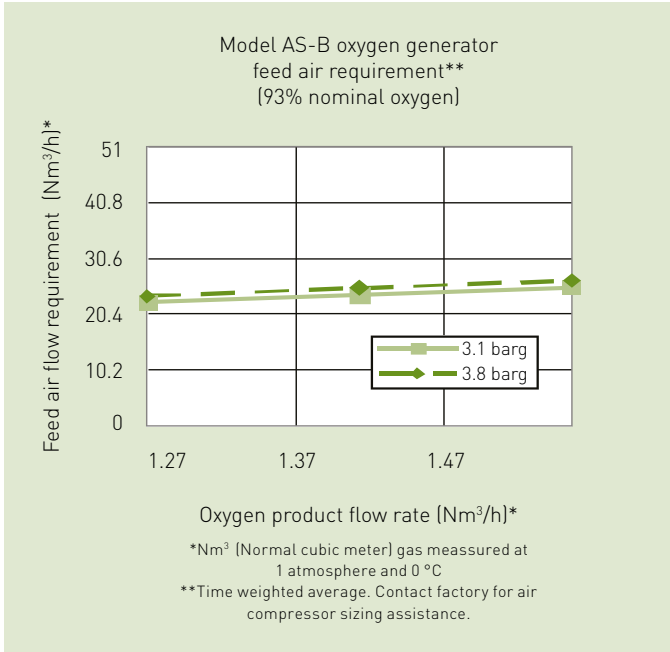
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Note: All dimensions are nominal

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