

Oxygen  
concentrator

Elektravägen 53  
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# Reliant

The Reliant is an oxygen concentrator ideal for use in small clinics. The Reliant's ability to deliver up to 95.5% oxygen concentration at flows of up to 8 LPM (17 SCFH) make it a great fit for many applications requiring up to 50 psig (345 kPa). An optional module enables the Reliant to supply 8 LPM of compressed, dried, and filtered medical air. Under normal operation, the Reliant is toggled between supplying either oxygen or compressed medical air. The presence of an internal oxygen storage tank and an optional auxiliary oxygen receiver, allows the Reliant to temporarily supply oxygen while simultaneously producing medical air. The duration for such dual mode operation is limited by the size of oxygen storage tanks and the oxygen use rate. This simultaneous dual-supply mode enables the Reliant to briefly provide medical air without an interruption to the flow of oxygen.



## Features

- Self-contained (internal air compressor)
- Microprocessor controlled
- Low operating cost
- Oxygen concentration monitor
- Automatic and unattended operation
- Transportable design
- Easy to install and maintain

## Typical applications

### Medical

- Anesthesia
- Oxygen therapy
- Veterinary medicine

### Available options

- Medical air outlet (factory-installed)
- Auxiliary oxygen receiver (free standing)



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## Specification

| Product characteristics   |   |
|---|---|
| Product flow <sup>1</sup>   | 8 LPM (17 SCFH)   |
| Product pressure  | 345 kPa (50 psig)   |
| Product concentration (nominal)   | 93%   |
| Product dew point   | -73 °C (-100 °F)  |
| Dimensions (W x D x H) (nominal)  | 44 x 67 x 91 cm (17 x 27 x 36 in) with flowmeter mounted        |
| Weight  | 80 kg (176 lb); 82 kg (181 lb) with optional medical air outlet |
| Physical connections  |   |
| Product gas outlet  | 1/4" FNPT x 1/4 NPSM  |
| Physical connection optional medical air outlet   | 1/4" FNPT JIC-8   |
| Ambient operating conditions  |   |
| Locate the oxygen concentrator system in a well-ventilated area that is protected from weather elements and remains between 4 °C (40 °F) and 44 °C (112 °F) |   |
| Control power requirements (single phase)   |   |
| 120 V ±10%, 60 Hz, 6.0 A or 220 V ±10%, 50 Hz, 3.0 A  |   |

<sup>1</sup> LPM (Liters per minute) gas measured at 1 atmosphere and 21 °C / SCF (Standard cubic foot) gas measured at 1 atmosphere and 70 °F

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## Ordering information

| Model                           | Part number   | Description   |
|---------------------------------|---|---|
| Reliant                         | AS132-1   | 120 V ~ ±10%, 60 Hz   |
|                                 | AS132-2   | 220 V ~ ±10%, 50 Hz   |
|                                 | AS133-1   | 120 V ~ ±10%, 60 Hz with medical air outlet (factory-installed)   |
|                                 | AS133-2   | 220 V ~ ±10%, 50 Hz with medical air outlet (factory-installed)   |
| Accessories                     | KI046-1   | Reliant Standard accessory kit<br>—includes the following: <ul style="list-style-type: none"> <li>• 10 ft stainless braided oxygen hose</li> <li>• primary/secondary oxygen ball valve assembly</li> </ul>                                  |
|                                 | TA150-1   | 227 Liters/60 gallon oxygen receiver  |
|                                 | KI048-1   | Oxygen Reliant Standard accessory kit<br>—includes the following: <ul style="list-style-type: none"> <li>• 7 ft stainless braided oxygen hose</li> <li>• oxygen isolation ball valve assembly</li> <li>• oxygen purge ball valve</li> </ul> |
| <b>Shipping information</b>     | <b>Reliant</b>  | <b>227 Liter/60 gallon oxygen receiver</b>  |
| Class                           | 92.5  | 92.5  |
| Commodity classification number | 8421.39.8040  | 7311.00.0000  |
| Dimensions (W x D x H)          | 71 x 76 x 114 cm (28 x 30 x 45 in) with accessory kit | 71 x 76 x 142 cm (28 x 30 x 56 in)  |
| Gross weight                    | 106 kg (233 lb) with accessory kit                    | 80 kg (177 lb)  |

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.

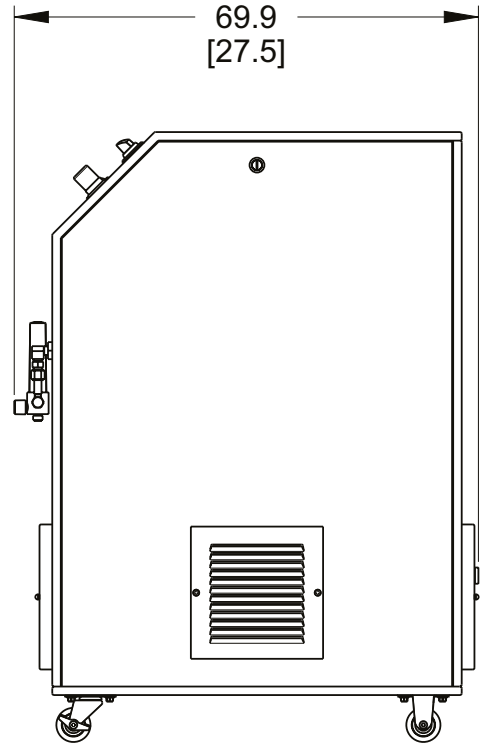
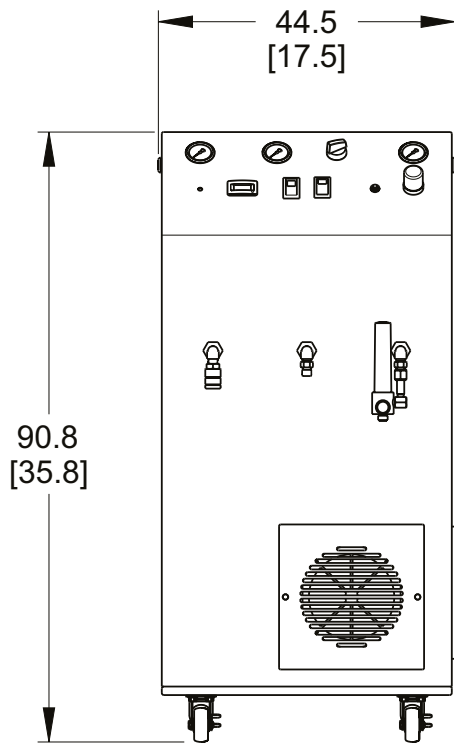
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Note: All dimensions are nominal.

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