

PSA Oxygen Concentrator

Reliant



Shown with optional Medical Grade Air Module

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 grade 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 grade air without an interruption to the flow of oxygen.

Features

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

Medical Applications

- Anesthesia
- Oxygen Therapy
- Veterinary Medicine

Available Options

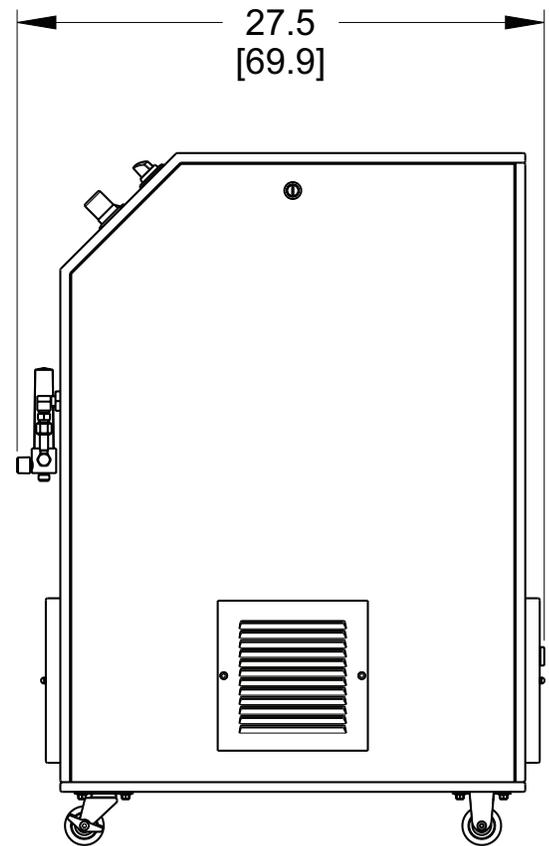
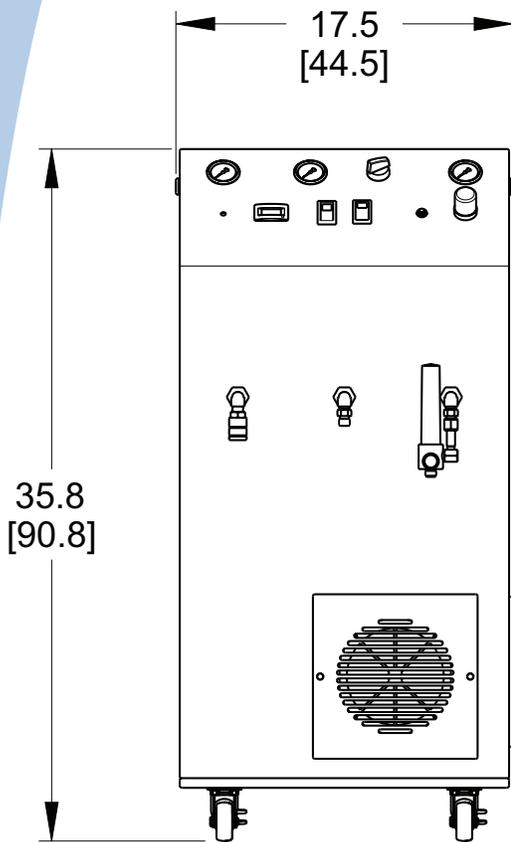
- Medical Grade Air Module (Factory-Installed)
- Auxiliary Oxygen Receiver (Free Standing)

Specifications

Reliant

Product Characteristics	
Product Flow ¹	8 LPM (17 SCFH)
Product Pressure	50 psig (345 kPa)
Product Concentration (nominal)	93%
Product Dew Point	-100°F (-73°C)
Dimensions (W x D x H) (nominal)	17 x 27 x 36 in (44 x 67 x 91 cm) with Flowmeter Mounted
Weight	176 lb (80 kg); 181 lb (82 kg) with optional Medical Grade Air Module
Physical Connections	
Product Gas Outlet	¼" FNPT x ¼ NPSM
Physical Connection Optional Medical Air Outlet	¼" FNPT JIC-8
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 112°F (44°C)
Control Power Requirements (Single Phase)	120 V ±10%, 60 Hz, 6.0 A or 240 V ±10%, 50 Hz, 3.0 A
60 Gallon Oxygen Receiver (Optional) Characteristics	
Dimensions (Dia. x H) (nominal)	26 x 52 in (65 x 131 cm)
Weight	159 lb (72 kg)

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



Note: All dimensions are nominal.

Ordering Information

Model	Part Number	Description
Reliant	AS072-3	240 V ~ ±10%, 50/60 Hz
	AS072-4	120 V ~ ±10%, 50/60 Hz
	KI046-1	Reliant Standard Accessory Kit—Includes the following: <ul style="list-style-type: none"> • 10 ft Stainless Braided Oxygen Hose • Primary/Secondary Oxygen Ball Valve Assembly
	TA150-1	60 Gallon Oxygen Receiver
	KI048-1	Oxygen Receiver Standard Accessory Kit—Includes the following: <ul style="list-style-type: none"> • 7 ft Stainless Braided Oxygen Hose • Oxygen Isolation Ball Valve Assembly • Oxygen Purge Ball Valve
	(contact factory)	Medical Air Outlet (Factory-Installed)

Shipping Information	Reliant	60 Gallon Oxygen Receiver [Optional]
Class	92.5	70
Commodity Classification Number	8421.39.8040	7311.00.0000
Dimensions (W x D x H)	28 x 30 x 45 in (71 x 76 x 114 cm) with Accessory Kit	28 x 30 x 56 in (71 x 76 x 142 cm)
Gross Weight	233 lb (106 kg) with Accessory Kit	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.

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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