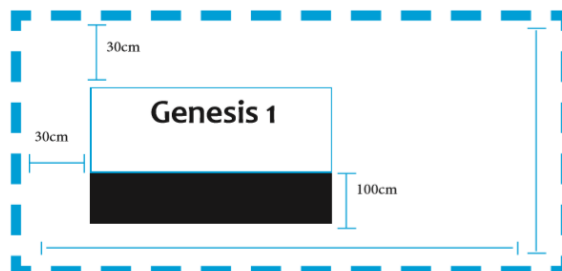


## Features

- Small Size
- Auto-diagnostics and control of flow, pressure and oxygen purity
- Visual and Audible Alarms
- Fewer moving parts enable the Oxygen Generator more reliable, and less maintenance jobs
- The Oxygen Generator is very easy to be operated, unmanned operation can be realized
- The Oxygen Generator is energy efficient (5.9 Wh/ E Cylinder), save energy
- Low Maintenance
- Interface Touch Screen 10''

## Specifications

- Oxygen purity: 93%+/- 3%
  - Product Flow: 64 SCFH (1.68 Nm<sup>3</sup> /hr or 30 LPM)
  - Oxygen production capacity: 20-30 liters/min
  - Outlet Oxygen Pressure: up to 50 psi
  - Dimensions: 840x1630x1200 mm
  - Weight: 295kg
  - Electrical: 220 VAC 50/60 Hz, 27 Amps, 5.9 kW
  - 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)
  - Alarms:
    - High and Low Pressure
    - Low Purity
    - Power Failure
    - Low Flow
    - Sensor Failure
  - Temperature/Humidity Range -5 to 60 C ( 23 to 135 F ), H < 95%
- 
- Genesis 1 needs to be placed at least 30cm away from any obstruction to maintain ideal ventilation. As well at least 1meter space in the front, so doors and canopy can be open and access easily.



## Shipping Information

Class: 92.5

Commodity Classification Number: 8421.39.8040

Dimensions (W x D x H) 33 x 64 x 47 in (840x1630x1200 mm)

Gross Weight 650 lb (295 kg)

### Single-Phase Power

Number of power cords: 1 Input voltage: 200–240 V  $\pm$ 10%  
(two wires and protective earth) Input frequency: 50 / 60  
Maximum load current (per power cord): 35 A

Genesis 1 requires the following electrical components to be supplied and installed by the customer, according to the Electrical Code requirements of the local jurisdiction of the country where the equipment is installed.

### CGA Valve

The CGA 540 outlet is located on the left side panel of Genesis 1. A door must be removed to have access and be able to connect the Hospital Oxygen pipeline or Distribution line

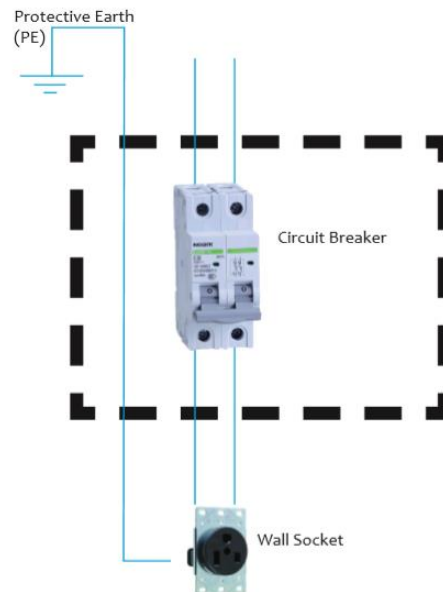
### Drain

The Drainer is located on the back bottom right side of Genesis 1. The Yellow tube that comes with Genesis 1 is only for transportation it MUST be replaced or be used to extend an existing Water drain Tube Press the outer black ring to remove or connect a draining tube.

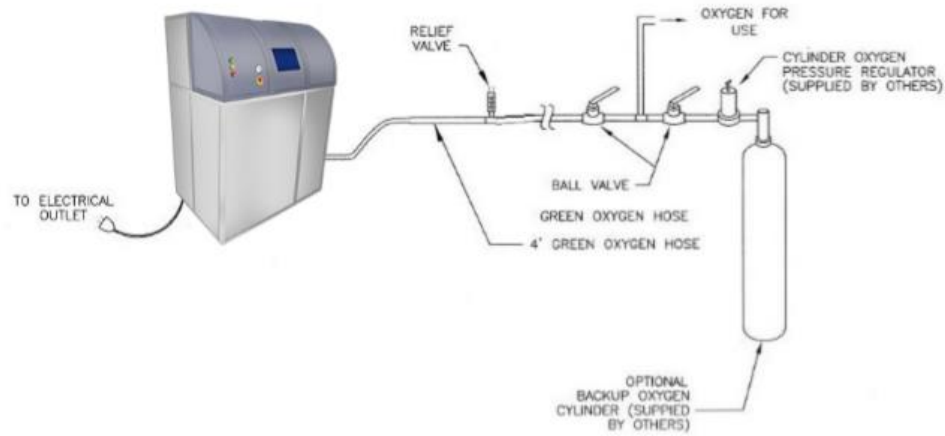
The drain tube MUST be connected to a water drain

### OPERATION

As the compressors supply pressurized air to the PSA, a series of valves and filters in the system controls the flow of clean, dry air into each of the adsorber beds. Valves also connect the beds to two mufflers that allow the waste gas to be vented from the beds. The oxygen concentrator uses in its adsorber vessels an inert ceramic material called molecular sieve to separate compressed air into the oxygen and the other gases. The unique properties of molecular sieve allow it to attract, or adsorb, nitrogen physically from air under pressure.



Oxygen analyzers continuously monitor the purity of oxygen and provides an alarm in case of low purity. The entire oxygen generating process is completely regenerative, which makes it both reliable and virtually maintenance-free. The molecular sieve does not normally require replacement.



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. 1 Interconnecting air hose, red included. All performance ratings based on an ambient temperature up to 100°F (38°C), up to 1,000 feet elevation, and 80% relative humidity.