



On-Site Oxygen Generation

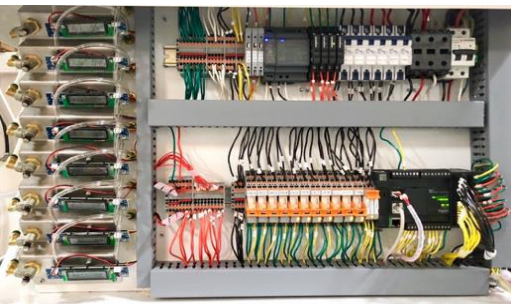
The Oxygen Concentrator is specifically engineered for on-site medical oxygen generation. This model is designed to produce from 40 to 80 liters/min of 95% oxygen (+/-1%) at 90 PSI. Oxygen Concentrators offer unmatched reliability and operating efficiency and are custom designed to provide an immediate reduction in cost and eliminate exposure to future increases due to increased usage or supplier price hikes. These systems are designed to be in compliance with the National Standard and International Standard for Oxygen Concentrator supply systems for use with medical gas pipeline systems.

The Advantage

- ✓ Fast Start up and Cycle Times – Saving Electricity
- ✓ Low Power Consumption – 1.7kWh
- ✓ Long Life, Low Maintenance, and Easy Component Replacement
- ✓ 2 minute Recovery Time from Power Failure
- ✓ ROCS Option Available for Off-site Placement
- ✓ Compact Design for Easy Installation
- ✓ Digital HMI with Remote Connectivity
- ✓ Configuration with secondary and reserve cylinders including distribution panel

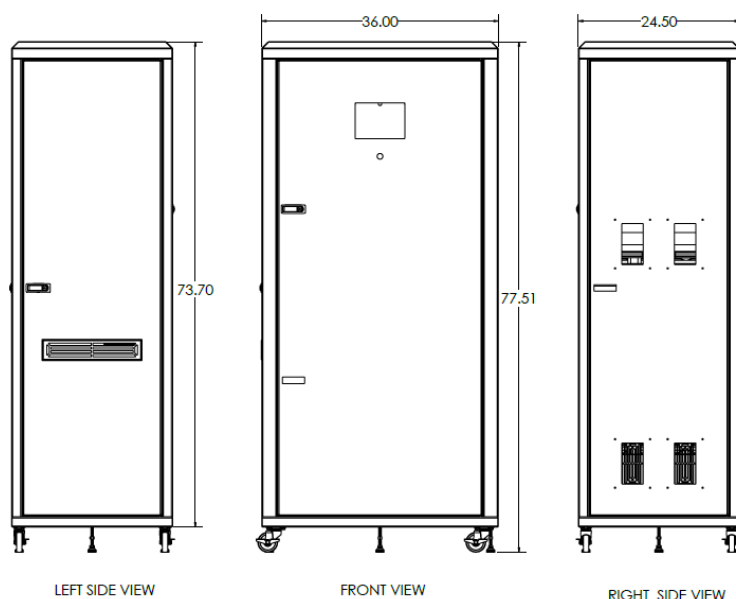
DUPLEX RELIABILITY & FAILSAFE OPERATION

The unit consists of two fully independent 40 or 80 LPM banks. The first bank of concentrators supplies the hospital with oxygen on demand and the second bank only starts when the oxygen demand is greater. Every 12 hours the two banks will switch lead and lag function. This feature extends the longevity of the system and provides a reliable failsafe supply of oxygen.



DIGITAL TOUCH SCREEN TECHNOLOGY

No more dials, switches or lights. The easy to use touch screen display provides you with a system operational overview at a glance. A Pantera Technician can guide you through any trouble shooting procedures from the external display, without even opening the doors. Individual concentrators can be isolated without ever interrupting the distribution of oxygen to the hospital. Remote Connectivity provides system status and alarms to any authorized user with a Smart phone. Our Technicians can log on remotely to aid in trouble shooting, or individual OC isolation.



Standard Package

- Oxygen Concentrator
 - Sound Level 64dB
 - Heat Rejection 3200BTU/Hr
 - O₂ Concentration 95% (+/- 1%)
 - O₂ Storage Tank 120 gallons at 90psi
- Operating Temp +50 F / +104F
- Power Requirement 30A/240V
- Automatic start/stop as per facility demand
- Digital HMI Touch Screen
- Dry Contact Alarms for Remote Monitoring
- Available in 40 or 80LPM

**Self-
Sufficient
and Reliable
24/7/365**

**For more
information:
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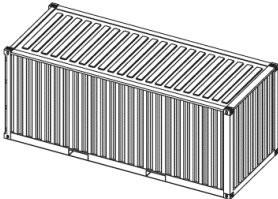
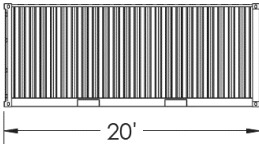
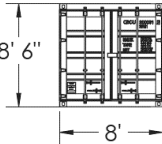
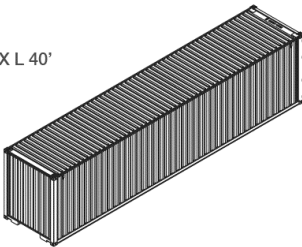
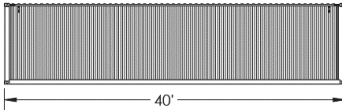
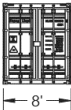


Remote Oxygen Concentrator System (ROCS)

The Remote Oxygen Concentrator System (ROCS) is designed to meet a variety of hospital and emergency supply needs as well as building constraints. The unit can be placed onsite at a hospital or on a mobile transport trailer to service situations that do not have the required space indoors to attain the benefits of on-site gas generation. The unit can also be used to provide an Oxygen Concentrator with a Distribution Panel and/or Cylinder Filling Station, making the hospital completely independent of gas supply companies. The ROCS can be configured to handle the most extreme of weather conditions and be deployed with the minimum of logistics support from the hospital. Regardless of configuration the system is designed to meet the National and International standards for Oxygen Concentrator Systems.

The Advantages of a ROCS

- Uses VPSA Oxygen Concentrators
- Manufactured using customized shipping containers
- ROCS are securely braced to ensure the safe operation of all internal equipment upon delivery
- ROCS are constructed using the same Gold Seal Standard components as an on site system
- All ROCS ensure reliable operation regardless of temperature and/or weather conditions
- Custom configured with each hospital or organization's needs in mind

ROCS Dimensions	
20 foot unit	40 foot unit
<div><div><div>• 208V - 575V</div><div>• W 8' X H 8'6" X L 20'</div></div><div></div><div><div></div><div></div></div></div>	<div><div><div>• 208V - 575V</div><div>• W 8' X H 9'6" X L 40'</div></div><div></div><div><div></div><div></div></div></div>

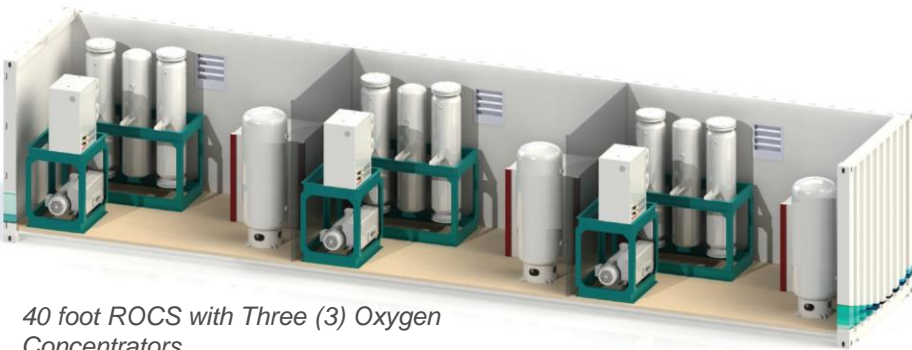
Standard Package

ROCS ARE
CUSTOMIZABLE
BASED ON
INDIVIDUAL
APPLICATION

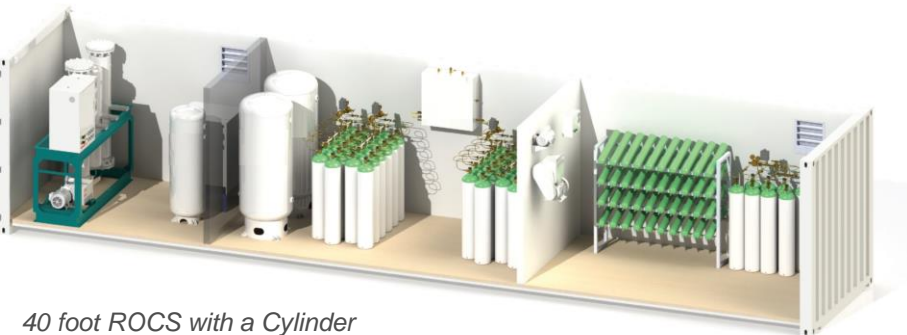
- 1.5" high density foam insulation
- Forklift/lifting lugs
- 2-3 locking metal doors
- LED lighting
- Customized climate controls
- Provisions to remote alarm
- Prewired to a load center
- Piped to a distribution panel for easy connection to facility
- Fresh air intake with provision to install 1" air filter
- Airtight interior walls to create separate rooms



20 foot ROCS with a Cylinder Filling Station using an Oxygen Concentrator



40 foot ROCS with Three (3) Oxygen Concentrators



40 foot ROCS with a Cylinder Filling Station using an Oxygen Concentrator

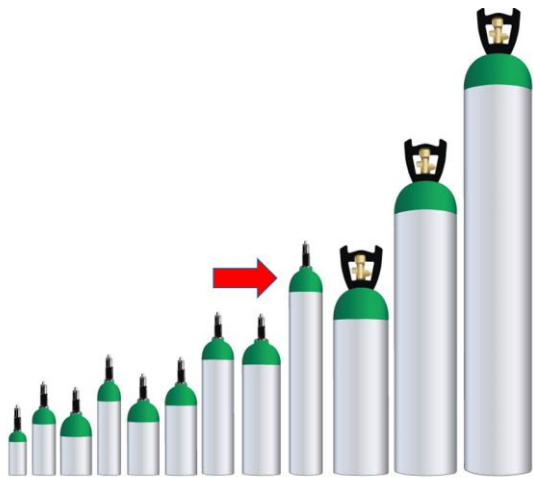
OXYGEN COMPRESSOR SPECIFICATIONS

Up to 120 “E”
Cylinders Based
on 24 hr.
runtime

- 1.5HP 110V – 220V
- 23”L X 21”W X 29”H
- Inlet Min 70psi
- Outlet Max 2200psi
- Flow 28-57 LPM

Up to 600 “E”
Cylinders Based
on 24 hr.
runtime

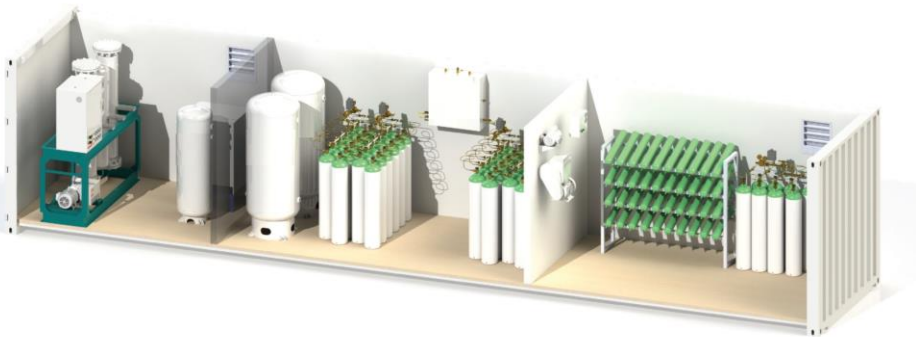
- 10HP 208V – 575V
- 48”L X 22”W X 45”H
- Inlet Min 70psi
- Outlet Max 2200psi
- Flow 187-283 LPM



Older Name	A		B		C		D	JD	E	M		H
Newer Name	M-2	M-4	M-6	M-6	M-7	M-9	M-15	M-22	M-24	M-60	M122	M250
Diameter (in.)	2.5	3.2	4.3	3.2	4.3	4.3	4.3	5.3	4.3	7.3	8	9
Height (in.)	5.3	8.5	7.6	11.5	9.1	11	16.5	16.5	25.5	23	36	52
Empty Weight (lb)	0.7	1.6	2.8	2.2	3.3	3.7	5.3	8	7.9	22.3	39.5	114
Capacity (L) at 2,200psi	42	113	165	164	198	255	425	640	680	1738	3455	7080
Transport Method	Carrier Bag	Carrier Bag	Carrier Bag	Carrier Bag	Carrier Bag	Carrier Bag	Carrier Bag	Carrier Bag	Wheelchair Bag or Cart	Not Portable	Not Portable	Not Portable
Regulator Type	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 870	CGA 540	CGA 540	CGA 540

Standard Package

- 8-port Manifold
- 8 CGA 540 to 870 Yoke Adaptors
- Dry Vacuum Pump
- 2600psi safety relief valve
- Vent and Sample valve
- Inlet/Outlet Pressure Gauges
- Handheld Oxygen Analyzer Package Options:
- 10-40 Yolk Cylinder Filling Rack
- Cylinder Containment Frame



40 foot ROCS with a Cylinder
Filling Station using an Oxygen Concentrator