

## The Advantages of Vacuum Pressure Swing Adsorption Technology

- ✓ Improvement of the PSA design by using molecular sieve and pressurized air
- ✓ Uses vacuum during the desorb cycle providing a more complete removal of nitrogen and a quicker refill of air
- ✓ 3 min recovery time for each cycle of oxygen concentration
- ✓ Faster start-up and cycle times which reduces overall power consumption
- ✓ Lower operating costs - less than \$1/"k" cylinder
- ✓ Higher output pressure - 85 psi
- ✓ Long life and low maintenance
- ✓ Smaller footprint allows for multi-plex systems

[www.on2solutions.ca](http://www.on2solutions.ca)

## Remote Oxygen Concentrator Systems



### MEDICAL R.O.C.S.

- Accommodates a cylinder filling system
- Automatic start/stop as per demand
- Components and system layout not restricted by available space
- Oxygen piped directed to facility supply



### EMERGENCY R.O.C.S.

- PLC monitors climate control and operation
- 60-min cold start preceding automatic cycle
- Built-in diesel generator eliminates the need for external power supply
- External outlets for quick connectivity



### DISASTER R.O.C.S.

- External control panel provides push button start
- Can be custom configured
- Indicators inform operator of equipment status
- Ease of placement with integrated forklift channels, tow hooks, and lifting lugs

Unit 7 – 186 Cochlan Dr . Morden, MB . 1-866-579-4921



Generate gas onsite



generate Savings

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## The ON<sub>2</sub> Advantage

- ON<sub>2</sub> is the ONLY Manufacturer of Oxygen Concentrators in Canada
- ON<sub>2</sub> uses a specialized form of VPSA, providing reliability and longevity
- ON<sub>2</sub> customizes each system to meet the specific demands of each facility
- ON<sub>2</sub>'s team of technicians have over 40 years of expertise in the field of Onsite Gas Generation
- ON<sub>2</sub> designs Custom SOLUTIONS that sharply reduce oxygen costs
- ON<sub>2</sub>'s forerunners pioneered the CSA standards for Medical Oxygen Concentrator Systems
- ON<sub>2</sub> provides 24/7 support and onsite semi annual PMP service
- ON<sub>2</sub>'s unique PLC automation controllers deliver a reliable and high-performance SOLUTION

## CYLINDER FILLING SYSTEM



Where you need it  
When you need it

## OXYGEN CONCENTRATORS

Model	1-V	6	11	15	20	35	43	55	73	90	130
LPM	7.5	20	40	60	80	125	175	210	280	350	515
M3/day	11	29	60	86	115	180	252	302	403	504	742

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