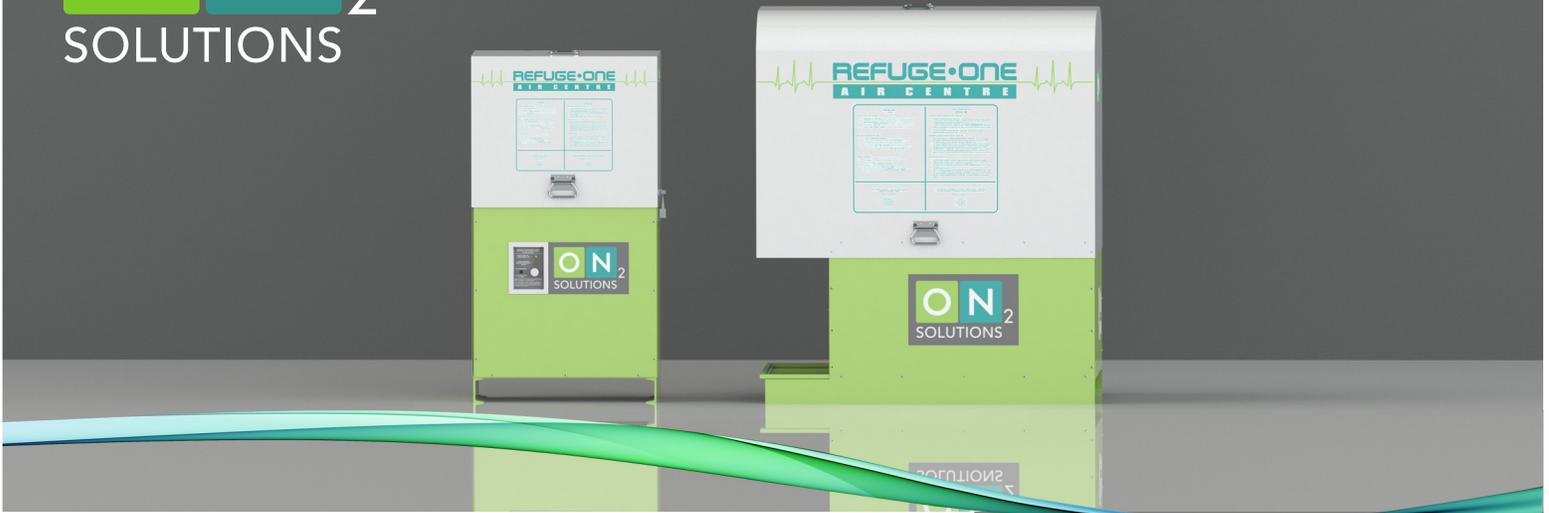




miners' safety comes first



DESCRIPTION

ON₂'s Refuge One Air Centre provides and maintains a source of Breathable Air during an underground emergency. The Air Centres may be used in a permanent Refuge Station or in a Mobile Refuge Chamber such as the ON₂ TommyKnocker. The unit purges CO₂ by passing the chamber's air through sodalime scrubbers and replenishes O₂ from high pressure O₂ cylinders at a metered rate based on the number of occupants. It is compact, sturdy, easy to operate and can work independently despite the loss of the mine's electrical power or compressed air supply.

KEY FEATURES

- **Breathable Air Source** is provided and maintained in the refuge station and/or chamber
- **Self-Contained and independently powered**
- **Two Sizes** easily fit into any refuge station design (may be combined to accommodate any size refuge station requirement)
- **Easy to use controls:** simple to operate under stressful emergency conditions
- **Battery Indicator** light and alarm
- **Skid Mounted** for portability between or within refuge stations
- **Heavy-Duty** steel base accommodates forklift use
- **Tested** and evaluated to industry standards
- **Ten-Year Life Expectancy** when installed underground

Note: Adding extra batteries and storing additional kegs of sodalime and O₂ cylinders in the refuge station/chamber extends the duration of life-support.

SPECIFICATIONS

Physical Dimensions

Single Bed Unit

Height 57.25 in (1454 mm)
Width 29.50 in (749 mm)
Depth 25.50 in (648 mm)
Weight 720 lbs (327 kg)
or 500 lbs (227 kg) without O₂ cylinders

Double Bed Unit

Height 55.50 in (1410 mm)
Width 65.50 in (1664 mm)
Depth 31.00 in (787 mm)
Weight 1545 lbs (701 kg)
or 1155 lbs (524 kg) without O₂ cylinders

Electrical

120/240 V, 50/60 Hz
12 V Battery Pack
(other voltages/frequencies available)

Oxygen Connectors

CGA540 Standard
(other connections available)

Supplies (Required Consumables)

Sodalime Chemical
Oxygen Cylinders



providing **Breathable AIR**
when you **need it most**



PROCESSED AIR
(CO₂ removed - O₂ added)

REFUGE CHAMBER AIR
(CO₂ elevated - O₂ depleted)

O₂ ADDED

-  OXYGEN
-  FRESH AIR
-  DEPLETED AIR



TEST REPORT

The Refuge One Air Centre has been tested under realistic conditions by miners underground. Miners valuable feedback assisted in the original design of the Air Centre. Please contact our Sales Office to obtain the results of the CANMET Mining Research Laboratory Test Report.

For more information, please contact our Sales Office:

Toll Free in Canada (866) 579-4921
Phone outside North America or Local (204) 822-8106
Fax (204) 822-1799

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The ON₂ Advantage

- Capable of providing breathable air for up to 96 hours
- Easy to use sodalime kegs make operation simple
- Sodalime turns violet when expired
- Two sizes available to meet your specific needs
- Skid mounted for ease of transport
- Over 300 units sold worldwide
- Cost effective and reliable SOLUTION for Breathable air

AWARDS

Research and Development
Significant Technology
In the International Field of Applied
Research

OHS 96 Award

Innovation and Excellence
Occupational Health and Safety