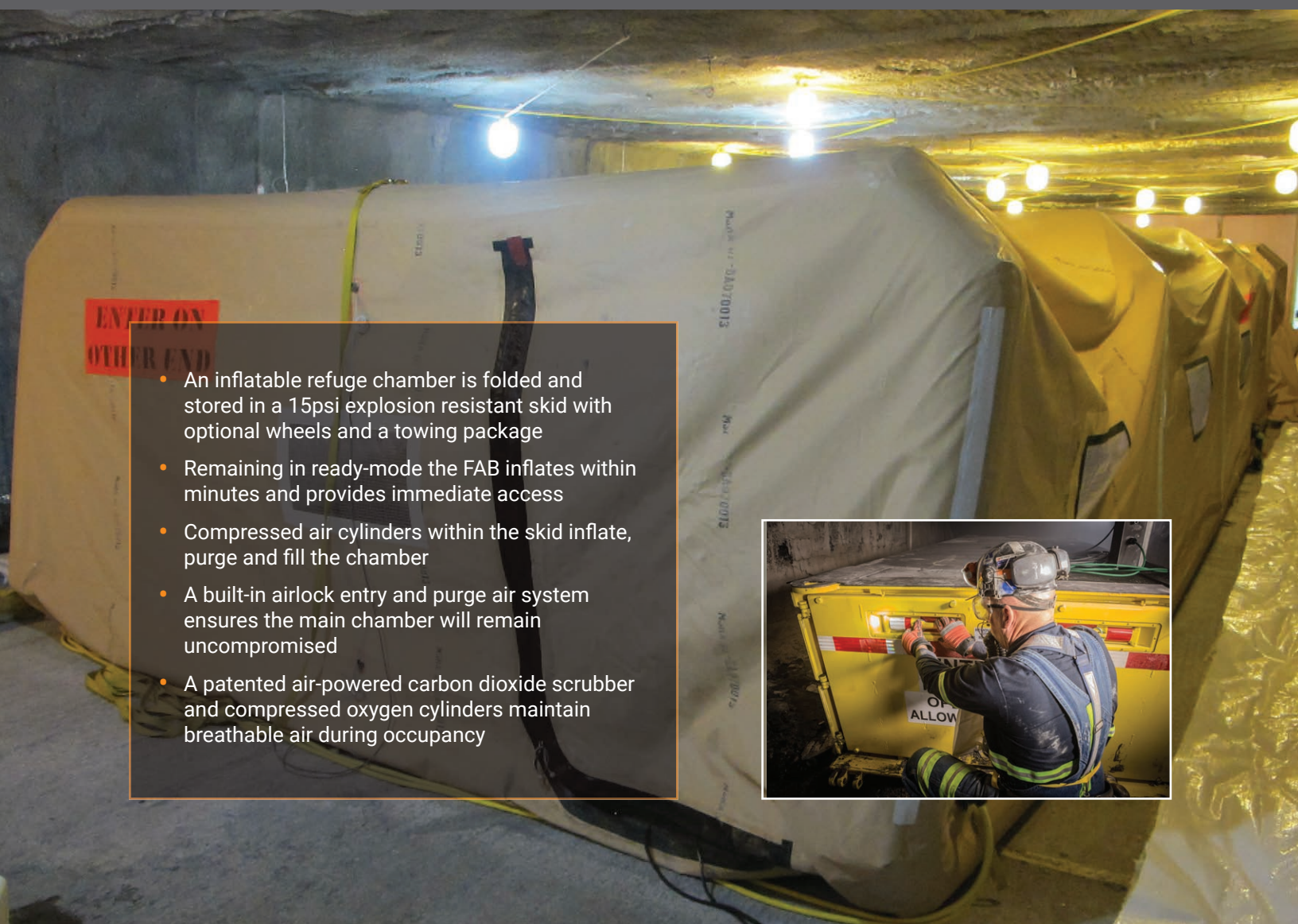


Strata **FRESH AIR BAY**

Portable, Inflatable Refuge Chamber

The Strata Fresh Air Bay is a completely powerless, standalone, inflatable safety system designed to provide refuge and breathable air to persons trapped in emergency situations

- 
- An inflatable refuge chamber is folded and stored in a 15psi explosion resistant skid with optional wheels and a towing package
 - Remaining in ready-mode the FAB inflates within minutes and provides immediate access
 - Compressed air cylinders within the skid inflate, purge and fill the chamber
 - A built-in airlock entry and purge air system ensures the main chamber will remain uncompromised
 - A patented air-powered carbon dioxide scrubber and compressed oxygen cylinders maintain breathable air during occupancy





FRESH AIR BAY TENT

- Constructed from durable MSHA approved fabric (Approval # 07-BA120005)
- Double layered floor for durability
- All mining heights: 18,24,30 or 36 persons
- Low seam mining heights: 16,20 or 30 persons

FRESH AIR BAY SKID

- Explosion & fire resistant steel construction built on a skid base with optional wheel and hitch package
- Highly mobile
- Additional protective hardening options available
- Highly visible paint and reflective decals
- Standard height and low height options



CARBON DIOXIDE SCRUBBING

- Patented air-powered CO2 Scrubber
- Powered by on-board compressed air cylinders and no electrical power necessary
- Utilizes soda lime chemicals in spill-proof cartridges to remove CO2
- Supplies last 96 hours standard

FRESH AIR BAY TRAINING UNIT

- Fresh Air Bay Training Units are portable, trailer mounted, scaled models of production Fresh Air Bays with replicated operation using an air compressor and receiver tank
- Designed to provide miners hands-on training and experience
- Fully functional with a replicated tent inflation, air-lock purge and CO2 scrubber system
- Powered by 110 volt
- Controls, valves, regulators, gauges, access doors, tent deployment door and tent inflation release are exact replicas of the production unit
- The tents are constructed of durable material, suitable for repeated inflations and long life
- The airlock compartment is representative of actual Fresh Air Bay tents, including a functional purge air system
- All life support systems and CO2 scrubbing are also provided



MICRO-FAB

MANUALLY POSITIONED INFLATABLE CHAMBER

Portable, rapidly deployed inflatable refuge chamber designed to be readily available and provide an isolated atmosphere of safe breathable air in an emergency.



- Designed for short duration use
- Ideal for events such as equipment fires preventing underground evacuation
- Powder coated cabinet with wheels can be moved and positioned by a single person
- 8-person occupancy tent folded and stored in cabinet
- Rapid deployment and inflation using compressed air
- Airlock entrance and two main chambers
- Window fabric in airlock and main chambers for external viewing
- Requires 25-50 CFM input of breathable compressed air
- Three-stage Strata breathing air filtration system.
- Purifies air from external source before entering chamber

FRESH AIR BAY OPTIONS

MOBILITY AND HARDENING PACKAGES

The Strata Fresh Air Bay, an inflatable emergency refuge chamber, is constructed to withstand the rugged and highly mobile underground environments. Additional hardening, protective armor and robust wheel and hitch packages are available and can be added either during construction or retrofitted at a later time.

WHEEL & REINFORCED HITCH PACKAGE

Set of four wheels and a reinforced tongue provide easier, more time-efficient transportation and maneuverability of the refuge chamber underground. The wheels are bolted on and can be easily removed/installed as needed. The tongue can be used on either end of the skid, and is held in place with removable pins.



WHEEL/FENDER GUARD PACKAGE

Fender guards add additional protection to the wheels and spindles to lessen the likelihood of function-compromising damage to the wheels during transportation underground.



HARDENING

Hardening packages help to minimize damage sustained in the case of direct impact to the refuge skid. The hardening package is bolted on to allow for easy removal if necessary.



PIPE BUMPER/CORNER GUARDS

Set of four pipe bumpers on each corner adds additional protection and assists with maintaining the integrity of the door frames. Pipe bumpers are bolted on for easy removal if necessary.



VIEWPORT DOORS

Viewport doors with multiple sight ports enable viewing of pressure gauges and the recording of pressure readings without breaking the tamper-proof seal. This also eliminates the need to replace tamper-proof seals every shift check.



AMERICAS

8800 Roswell Road, Suite 145
Sandy Springs, GA 30350 USA
TF: 800-691-6601
T: 770-321-2500
T: 724-745-5030
info@strataworldwide.com

www.strataworldwide.com

CANADA

Ontario
North Bay, Ontario Canada
Tel: (705) 978 2304

EUROPE

Ursulinenstr 35,
66111 Saarbrücken
Germany
T: +49 (0) 681 41095066
T: +49 (0) 1 52 52075776
info@strataeurope.com