



EMERGENCY REFUGE CHAMBERS

- ◆ Emergency Refuge Chambers are airtight enclosures that provide breathable air to miners and construction workers trapped in hazardous environments
- ◆ Strata's chambers are available in standard or custom sizes and configurations
- ◆ The units attach to main underground airlines and electric sources
- ◆ A high quality filtration system purifies in flowing air
- ◆ A back-up air supply is provided through medical grade oxygen cylinders and an active carbon dioxide scrubber
- ◆ Back-up power provided by onboard battery packs
- ◆ Supplies & consumables are fully scalable
- ◆ Optional air conditioning units to regulate the internal temperatures
- ◆ Chambers are equipped with lighting, padded seats and a toilet in a private compartment
- ◆ Numerous handling accessories built in to assist with moving and relocating the chambers
- ◆ Wheels and hitch packages and additional hardening options available

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FEATURES

- ◆ 24 volt Air Conditioning system
- ◆ Back-up air supply (scalable)
- ◆ Back-up battery power (scalable)
- ◆ 12 volt lighting system
- ◆ Durable padded seating with storage
- ◆ Food & Drinking water
- ◆ Toilet in a private compartment
- ◆ Fork lift guides, lifting facility and skid base
- ◆ Optional $\frac{3}{4}$ " anti-fatigue rubber floor covering
- ◆ Optional wheels and hitch package

SAFETY & TECHNOLOGIES

- ◆ Optional Programmable Logic Controller (PLC) to monitor and report the internal & external status of:
 - CO levels
 - CO2 levels
 - O2 levels
 - Temperature
- ◆ Optional system for CO detection in main air lines
- ◆ Optional live video inside the chamber
- ◆ Battery back-up in CO2 Scrubber and lighting
- ◆ Airlock entry with optional purge system for eliminating air contaminants
- ◆ Developing CO scrubber for Airlock Entry
- ◆ Self closing entry door
- ◆ Monitoring system to report doors open or closed
- ◆ Escape hatch
- ◆ Fire extinguisher inside chamber
- ◆ Fully reflective signage for greater visibility
- ◆ External location lights and warning siren



Rear of Chamber

Color options:
White and yellow



Mine Air Filtration System



Escape Hatch



Scrubber, air conditioner and chamber monitoring system

STANDARD SIZES

SIZE	LENGTH	WIDTH	HEIGHT
20 man	20 ft	7 ft	7 ft
15 man	16.5 ft	7 ft	7 ft
10 man	13 ft	7 ft	7 ft
8 man	12 ft	7 ft	7 ft

Custom sizes available upon request