



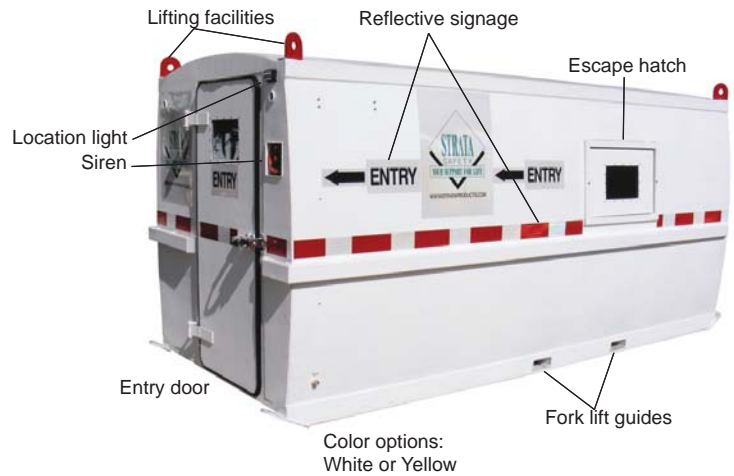
EMERGENCY REFUGE CHAMBERS (ERC)

- ♦ Emergency Refuge Chambers are airtight structures designed to provide emergency shelter and breathable air to workers trapped in toxic environments
- ♦ Rugged and durable, they are constructed to withstand harsh underground environments
- ♦ Additional structural reinforcement and fire protection available
- ♦ Strata's chambers are ready for long-term operation with a connection to underground compressed air and power sources, or 48 hours of operation in stand-alone, back-up mode (up to 96 hrs)
- ♦ Back-up air supply is provided by on-board oxygen cylinders and an active carbon dioxide scrubber
- ♦ Back-up power is provided by a bank of sealed, maintenance-free, lead-acid batteries
- ♦ An optional air conditioning unit is installed to regulate internal temperatures and humidity
- ♦ Strata Safety chambers are fully equipped with 12 volt LED lighting, padded seats, storage and a toilet in a private compartment (food & water optional)
- ♦ Numerous handling accessories assist in moving the chambers. Optional wheel and hitch packages available
- ♦ Local manufacturing ensures speedy delivery and lower shipping costs
- ♦ Training, maintenance and repairs are available through Strata Safety Products

EMERGENCY REFUGE CHAMBERS (ERC)

STANDARD FEATURES

- ◆ Airlock compartment
- ◆ Mine air filtration system-primary source of breathable air
- ◆ Active CO₂ scrubber - secondary source of breathable air
- ◆ 48 hours back-up air supply (scalable)
- ◆ 48 hours back-up battery power (scalable)
- ◆ 12 volt LED internal lighting system
- ◆ Padded seating with storage
- ◆ Toilet in a private compartment
- ◆ Warning siren and external flashing location light
- ◆ Secondary escape hatch
- ◆ Reflective signage on all four sides
- ◆ Fork lift guides, lifting facility and skid base



OPTIONAL FEATURES

- ◆ 12 or 24 volt air conditioning
- ◆ 3/4" anti-fatigue rubber floor covering
- ◆ Wheel and hitch package
- ◆ Food and water supplies
- ◆ Hand-held gas monitor - detects up to 6 gases
- ◆ Programmable Logic Controller (PLC) to monitor and report the internal & external status of:
 - CO levels
 - CO₂ levels
 - O₂ levels
 - Temperature
- ◆ Live video inside the chamber
- ◆ CO detection in main air lines
- ◆ Developing dual CO/CO₂ scrubber



CO₂ scrubber with oxygen cylinders
*Optional air conditioner & monitoring system

STANDARD SIZES

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

Custom sizes available upon request

