

Strata Segmented ERC

Segmented Emergency Refuge Chamber (SERC)

Strata Segmented ERCs are refuge chambers divided into equal segments for assembly underground. They are designed to optimize transportation and handling and overcome entry shaft and/or handling restrictions.

- Constructed to customer specifications
- Segments bolted together on location to create a secure, air-tight seal
- Chambers attach to facility's main air compressor and power supply (if applicable)
- Include 12-96 hours of stand-alone backup battery and air supplies
- Built-in Airlock and optional purge air system ensures the chamber atmosphere will remain uncompromised
- Equipped with Strata ActiveAir™ carbon dioxide scrubber, including atmospheric monitoring and CO removal
- Standard segment sizes: 4 x 7 x 7 feet (1.2 x 2.1 x 2.1m). Available in custom sizes.
- Segments can be added to increase chamber size and occupancy rating
- Functionality and quality identical to standard refuge chambers



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FEATURES

- Continuous monitoring of CO2 and O2 with Strata/Troxel Sentro 1 sensors
- Battery powered catalytic CO Converter to remove CO
- Direct-Current or Alternate-Current air conditioner and dehumidifier
- 12/24V internal LED lights & external colored LEDs for location, occupancy and power status notifications
- Location warning siren (120db)
- Cushioned seating & storage areas
- 20 lb./9 kg fire extinguisher recessed outside at main entrance
- Secondary escape hatch
- Optional wheel and tow-hitch packages
- Highly visible reflective signage, labeling and instructions



SUPPLIES

- 12-96 hours breathable air (scalable)
- 12-96 hours battery backup (scalable)
- Optional Strata/Troxel Sentro 8 monitoring station for continuous monitoring of chambers internal and operating conditions - Remote feedback supplied
- 6 year shelf life drinking water & food (scalable)
- Chemical toilet in private compartment
- Mine air filtration system

