

Strata ActiveAir™ Scrubber

Carbon Dioxide (CO₂) Scrubber

Strata CO₂ scrubbers are stand-alone systems, designed to maintain safe, breathable air in enclosed areas. They utilize soda lime chemicals and low-pressure oxygen cylinders

- Strata ActiveAir™ carbon dioxide scrubbers have built-in fan systems that draw air through the scrubber, passing it through SodaSorb™ (soda lime) cartridges
- SodaSorb is packaged in cartridges to prevent spillage, eliminate the risk of air-borne dust and prevent “channeling” of the chemicals. They are easy to store and handle.
- Low pressure oxygen cylinders fitted with individual flow-rate valves replenish oxygen levels
- The flow-rate valves are set according to the number of occupants and control the release of oxygen into the environment
- Scrubbers are powered by mine power or battery-back up
- They are standard in Strata refuge chambers and ideal for use in underground safe rooms



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ADVANCEMENTS

STRATA/TROLEX SENTRO 1 ATMOSPHERIC MONITORING

- Two Strata/Troxel Sentro 1 detectors are built into the scrubbers to automatically and continually monitor CO₂ and O₂ levels
- Alarms alert occupants of fluctuating gas levels
- Low maintenance and simple calibration
- Can integrate with Strata CommTrac wireless communications system to send data to the central office

TIMER

- Built into scrubber and set according to number of occupants
- Emits alarms for soda lime change-out schedule

STRATA POWER STATION

- For complete stand-alone use of the scrubber

STRATA SODASORB™ CARTRIDGES

- Weight: 37lb (17kg) per cartridge
- Dimensions: 16" x 12" x 6.5"

FEATURES

- Powder coated sheet metal scrubber body
- Soda lime cartridge rack
- Fans:
 - 2 x 24 volt fans
 - RoHS Compliant
 - 24 volt input
 - 5.0 watt power rating
- Flow Meters:
 - Up to 5.5 LPM distribution per oxygen cylinder
- Single unit suitable for 0-30 persons
- Multiple units required for more than 30 persons
- Maintains CO₂ concentration below 10,000ppm (1%) (MSHA standard)
- Battery back-up life: 12 - 96 hrs (+ safety margin) and is scalable to customer requirements (depending on battery power)



Strata ActiveAir with gas sensors and timer