HiCapTM CO

Moleculite® pre-filled large absorber cartridge

Large scale absorber with proven capabilities for the catalytic oxidation of toxic CO into much less harmful CO₂. Designed for use in life critical applications such as mine rescue.



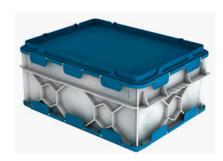
Description

 $HiCap^{TM}$ CO is a sealed cartridge that allows efficient storage and use of the Moleculite[®] catalyst. It also provides a package that is easily handled and stores efficiently for long periods of time without requiring any maintenance. The materials used are all long term compatible with the absorber. The weight of the unit is designed to be within the handling capability of the target users. The units are built of high grade polypropylene plastics that do not contain additives likely to give rise to highly toxic fumes.

Properties

- Higher CO capacity than hand filled units
- Guaranteed minimum CO capacity
- Uniform pressure drop allows multiple units to have a balanced flow
- Guaranteed specification for pressure drop
- No handling of Moleculite®

Dimensions 400 x 300 x 180mm



Product Specification

Operational range 0 to 10,000ppm (1%) carbon monoxide in air

Unit weight (gross as supplied) 14kg

Carbon monoxide capacity Depends on operating volume and moisture levels e.g. 10m³ room with

I unit gives a half life CO of 6.3 mins (see user manual)

Normal operating gas flow rate 1000 litre per minute per unit

800 to 1200 litres per minute per unit

≤ 30mm H₂O gauge at 1000 litres per minute flow

 \leq +/- 2mm H₂O gauge @ 800 l/min

3 years (condition can be monitored by weight change)

Molecular Products Limited

Operational flow rates

Pressure drop per unit

Pressure variation between units

Storage life