

# HiCap™ CO

## Moleculite® pre-filled large absorber cartridge



Large scale absorber with proven capabilities for the catalytic oxidation of toxic CO into much less harmful CO<sub>2</sub>. Designed for use in life critical applications such as mine rescue.

### Description

HiCap™ 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. 10m <sup>3</sup> room with 1 unit gives a half life CO of 6.3 mins (see user manual)
Normal operating gas flow rate	1000 litre per minute per unit
Operational flow rates	800 to 1200 litres per minute per unit
Pressure drop per unit	≤ 30mm H <sub>2</sub> O gauge at 1000 litres per minute flow
Pressure variation between units	≤ +/- 2mm H <sub>2</sub> O gauge @ 800 l/min
Storage life	3 years (condition can be monitored by weight change)

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