

HiCap™ CO₂

Sofnolime® pre-filled large absorber cartridge



molecular

Large scale absorber with proven capabilities for CO₂ absorption in life critical applications such as mine rescue and submarines.

Description

The large absorber design provides the increased use efficiency intrinsic to the larger scale absorber unit. It also provides a package that is easily handled and stores efficiently for long periods of time without degradation of performance or 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 associated with some inhibited materials. The units are supplied sealed to ensure long storage life protection from environmental contamination as well as keeping the contents fresh.

Properties

- Higher CO₂ capacity than hand filled units
- Guaranteed minimum CO₂ capacity
- Uniform pressure drop - allows multiple units to have a balanced flow
- Guaranteed specification for pressure drop
- More capacity in less storage space
- No handling of soda lime



Dimensions
400 x 300 x 180mm

Product Specification

Carbon dioxide capacity	> 1400 litres (by test method TM 122) @ 400 l/min to 0.5% CO ₂ at outlet
Carbon dioxide capacity	> 1500 litres (by test method TM122) @ 400 l/min to 1% CO ₂ at outlet
Normal operating gas flow rate	400 litre per minute per unit (TM 121)
Operational flow rates	200 to 600 litres per minute per unit
Pressure drop per unit	≤ 14mm H ₂ O gauge at 400 litres per minute flow
Pressure variation between units	≤ 4mm H ₂ O gauge
Unit weight (as delivered)	14kg
Storage life	5 years (condition can be monitored by weight change)

Molecular Products Limited

Parkway, Harlow Business Park
Harlow, Essex, CM19 5FR, UK

T +44 (0)1279 445111
F +44 (0)1279 401231

E sales@molprod.com
W www.molecularproducts.com

V5, 04/02/14, MCL, EK