

# co<sub>2</sub>ntrol<sup>®</sup>

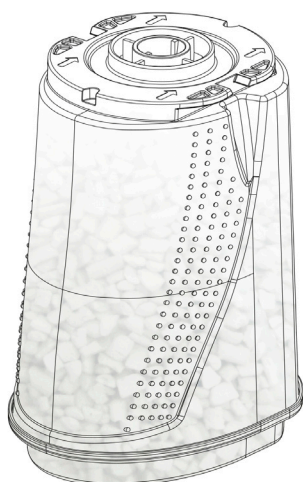
## Sofnolime SoLo



Sofnolime SoLo<sup>®</sup>, low alkali pre-filled canister for closed anaesthesia

### Applications

co<sub>2</sub>ntrol is a pre-filled disposable CO<sub>2</sub> absorber designed for use with Dräger anaesthesia systems. Used for the removal of CO<sub>2</sub> in breathing systems where the pressure-drop must be negligible, the main component is calcium hydroxide. Contains a white to violet indicator to show absorption of CO<sub>2</sub>. For use with Dräger workstations fitted with the Dräger CLIC<sup>®</sup> adapter MX50090.



### Packing and transport

co<sub>2</sub>ntrol is available filled with Sofnolime SoLo (1.0kg) and Sofnolime (1.15kg) medical USP grade soda lime.

co<sub>2</sub>ntrol canisters are packed 6 in a box; 27 boxes per pallet (standard). The product has a shelf-life of 2 years.

### Sofnolime SoLo specification

#### Particle size distribution<sup>1</sup>

Greater than 8 mm	%	nil	nil
Between 2 and 5 mm	%	78.0	Min
Up to 0.425 mm	%	0.6	Max

Hardness (70% USP minimum)	%	90.0	Typical
Moisture absorption	%	7.5	Max
USP CO <sub>2</sub> activity <sup>3</sup>	%	19.0	Min

#### Properties

Water content	%	12 - 19
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#### CO<sub>2</sub> performance (canister)

80 litres of carbon dioxide per canister at NTP (20°C and 1 bar @ 0.475 litre CO<sub>2</sub> per min until 0.5% CO<sub>2</sub> breakthrough)

### Quality

Molecular Products Ltd's aim is to manufacture chemical products which completely satisfy the needs of our customers. All products are rigorously tested to ensure conformance to the specification.

Our activities comply to the requirements of ISO 9001 and ISO 13485. Soda lime, as a class IIa medical device, is manufactured under ISO 13485 procedures.

### Notes

1. Particle size measured by optical method
2. Activity is determined by passing carbon dioxide through a 'U' tube containing approximately 10g of Sofnolime at a rate of 75ml per minute for a period of 20 minutes. The activity is the weight gain, expressed as a percentage
3. Particle size is validated against USP test method
4. Particle size distribution is controlled to provide standardised pressure drop
5. Determined using internal test method TM153. Test conditions: 500ml tidal volume, breathing rate of 20 breaths per min (bpm) and an I:E ratio to 1:2

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