

# HOSPITAL



## DISPOSABLE ABSORBER

Leonsorb .plus/ Leonsorb premium

# DISPOSABLE ABSORBER

## Leonsorb plus and Leonsorb premium

The disposable absorber Leonsorb plus and Leonsorb premium have been developed specifically for the anaesthesia workstations in the Leon family of products and are characterized by their long service life.

### SODA LIME FEATURES

- **Unique Particle Geometry**

Soda lime of the disposable absorber Leonsorb plus and Leonsorb premium consists of D-shaped irregularly sized particles. This geometry ensures a high density, minimizes the distance to the particle centre and provides a large surface area to volume ratio, which provides for the maximum CO<sub>2</sub> absorption and prevents channel formation.

- **Low Dust**

The soda lime's dust content of Leonsorb plus and Leonsorb premium is minimal and coupled with its hardness it ensures that no additional dust is produced during transport and handling. This minimizes the risk of contamination by dust and a gas flow dependent resistance during application.

## LEONSORB PLUS



Leonsorb plus Order No.: 0209410/6

### CO<sub>2</sub> ABSORPTION CAPACITY

In low-flow anaesthesia disposable absorber Leonsorb plus demonstrates a highly efficient absorption capacity. Test data confirms that the disposable absorber Leonsorb plus with a volume of 1,15 kg consistently absorbs approximately 150 litres of CO<sub>2</sub> per kilogram before experiencing a 0.5% CO<sub>2</sub> breakthrough. The ultimate benefit of this attribute is the cost saving associated with the higher absorption capacity.

### CHEMICAL COMPOSITION AND ANAESTHETIC DEGRADATION

The chemical composition of Leonsorb plus soda lime ensures high CO<sub>2</sub> absorption. Soda lime of disposable absorber is manufactured with a moisture content of 15.5%. This attribute prevents the granules from drying out during normal usage.

### PRODUCT BENEFITS:

- Unique geometry: Effective shape for CO<sub>2</sub> absorption
- Reduced response time leads to high absorbance value
- Maximum use of the soda lime
- Low dust
- Cost savings through high absorption capacity and large absorber volume



leon



leon plus



leon mri

# LEONSORB PREMIUM

## CO<sub>2</sub> ABSORPTION CAPACITY

In low-flow anaesthesia disposable absorber Leonsorb premium demonstrates a highly efficient absorption capacity. Test data confirms that the disposable absorber Leonsorb premium with a volume of 1,15 kg consistently absorbs around 140 litres of CO<sub>2</sub> per Kg before experiencing a 0.5% CO<sub>2</sub> breakthrough. The ultimate benefit of this attribute is the cost saving associated with the higher absorption capacity.

## CHEMICAL COMPOSITION AND ANAESTHETIC DEGRADATION

The chemical composition of Leonsorb premium soda lime prevents the formation of Compound A. The CO<sub>2</sub> produced during the reaction combined with moisture ensures that the soda lime can never dry out during operation.

## PRODUCT BENEFITS:

- Unique geometry: effective shape for CO<sub>2</sub> absorption
- Maximum use of the soda lime
- Low dust
- Cost savings through high absorption capacity and large absorber volume
- No formation of Compound A
- Longer-lasting colour change than regular soda lime CO<sub>2</sub> Absorption Capacity



Leonsorb premium Order No.: 0209411/6







Löwenstein Medical  
Arzbacher Straße 80  
D-56130 Bad Ems

Tel.: +49 26 03/96 00-0  
Fax: +49 26 03/96 00-50  
Internet: [hul.de](http://hul.de)



*The images contain optional accessories which can be ordered in addition.  
Please inquire further information.*

