Carbon Dioxide Absorbents

The complete choice
**CO₂ Absorbents The choice is yours**

Our range of medical grade absorbents and standard soda lime are available in a number of configurations to suit your requirements. These include loose fill, pre-filled absorbent cartridges and disposable absorbers for specific equipment.

*Spherasorb* A unique medical grade soda lime designed specifically for clinical use. Spherasorb’s chemical formulation has been developed specifically to address the potential problems of use within the medical environment.

*LoFloSorb* A unique medical grade CO₂ absorbent that contains no Alkali Hydroxide. LoFloSorb eliminates the risk associated with reactions with volatile anesthetics.

*Intersorb Plus* A conventional soda lime Carbon Dioxide absorbent comprised of short porous 3mm diameter strands.

Intersorb Plus is only available in loose fill jericans.

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**What is Spherasorb®?**

*A unique medical grade soda lime designed specifically for clinical use.*

Spherasorb’s chemical formulation has been developed specifically to address the potential problems of use within the medical environment.

**Features and Benefits**

**Only 1.5 % Sodium Hydroxide.** Less than standard Soda Lime

**Zeolite to reduce the risk of drying out.** No other absorbents contain a zeolite.

**Spherasorb is made of 3-4mm spheres processed to minimize potential dusting.** Its uniform shape allows consistent bed packing, resulting in a more even flow of gases through the absorber and therefore, a very efficient absorption of CO₂.

*LoFloSorb* is a zero-caustic absorbent, totally eliminating the risk of degradation products such as Carbon Monoxide and Compound A. The unique color change of LoFloSorb from green to violet remains visible for a very long time. This provides a safeguard against color regeneration leading to the potential for exhausted product being mistaken for fresh product. These unique features allow for complete product usage without premature changes of the absorbent due to concerns about color regeneration or anesthetic degradation.

*Intersorb Plus* is a conventional carbon dioxide absorbent, addressing the need for a low-cost product.
The Drum®
1kg. pre-filled absorbent cartridge

The Drum is an easy to use, pre-filled 1kg. absorbent cartridge that has been developed specifically for clinical use during anesthesia. Its shape and dimensions follow an established conventional design. However The Drum’s unique central baffle and dispersion channels allow for greater utilization of the soda lime.

The Drum can be used on all anesthetic machines with single or double absorbers that have been designed to take a conventional pre-filled cartridge.

The Drum cartridge must be used in conjunction with inspiratory CO₂ monitoring.

Unique design with central baffle and dispersion channels

Reduced channelling and coring
With The Drum, optimum flow and dispersion is achieved resulting in a better utilization of the soda lime granules and a more visible color change from the outside.

Quick and convenient exchange of absorbent
The Drum eliminates the time-consuming task of pouring loose granules into the absorber and removing when exhausted.

Choice of two Intersurgical absorbents
The Drum is available filled with LoFloSorb and Spherasorb.
The Pyramid®

1kg. pre-filled disposable carbon dioxide absorber

The Pyramid is an easy to use disposable absorber specifically developed for clinical use during anesthesia to absorb CO₂ within an anesthetic breathing system.

The Pyramid is compatible with the following Draeger® anesthetic workstations: Cicero EM®, Cato edition®, Fabius CE®, Fabius GS®, Julian®, Primus®, Zeus®, Perseus®, Fabius Tiro®, Apollo® and Spacelabs ARKON™

The Pyramid can only be used on the above Draeger® workstations if they have been fitted with the Draeger® CLIC® adaptor.

It is essential that the user:

- Follows the Instructions For Use of the Draeger® anesthetic workstation concerned.
- Refers to the Instructions For Use supplied with each box of Intersurgical Pyramid absorbers.

The Pyramid cartridge must be used in conjunction with inspiratory CO₂ monitoring.

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**Gas dispersion chamber**

Provides optimum flow and dispersion, resulting in a better utilization of the soda lime granules and a more visible color change.

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**Compatible with the Draeger® CLIC® adaptor**

Enables fast exchange of absorbent with minimal interruption of absorption. Eliminates the need to pour loose granules and significantly reduces dust emission.

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**An air-tight seal for storage**

The Pyramid is fitted with an air-tight cap to protect the absorbent from moisture and carbon dioxide within the air.

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**Clip to indicate the correct location in the CLIC® adaptor**

See Instructions For Use

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**Efficient CO₂ absorption**

A gas dispersion chamber at the base of the Pyramid provides optimum flow and dispersion resulting in a better utilization of the soda lime granules and a more visible color change from the outside.

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**No dust emissions**

Foam filters ensure that any fine particles or dust are retained within the Pyramid and not allowed to escape into the breathing system or into the atmosphere during handling, therefore, providing a safe solution for the user.
The IS Pac is an easy to use disposable absorber that has been developed specifically for clinical use during anesthesia to absorb carbon dioxide within an anesthetic breathing system.

The IS Pac is designed to be used on both the Anmedic Q Block® and GEH (ADU) Compact Block®

Before using the IS Pac it is essential to do the following:

- Become familiar with and follow the Instructions For Use of the anesthetic workstation concerned.
- Refer to the Instructions For Use supplied with each box of Intersurgical IS Pac canisters.

The IS Pac cartridge must be used in conjunction with inspiratory CO₂ monitoring.

Fast and easy exchange

The IS Pac enables fast exchange of absorbent without the need to pour loose granules, which reduces the risk of contamination.

Airtight seals for storage

The IS Pac is fitted with airtight caps to protect the absorbent from moisture and carbon dioxide within the air.

No dust emission

Foam filters ensure that any fine particles or dust are retained within the IS Pac and not allowed to escape into the breathing system or into the atmosphere during handling, therefore, providing a safe solution for the user.
**IS Can®**

1kg. pre-filled disposable carbon dioxide absorber

The IS Can is an easy to use disposable absorber that has been developed specifically for clinical use during anesthesia to absorb carbon dioxide within an anesthetic breathing system.

The IS Can is compatible only with the following GE® anesthetic workstations: Aespire®, Avance®, Aisys®, ADU®

Before using the IS Can it is essential to do the following:

- Become familiar with and follow the Instructions For Use of the anesthetic workstation concerned.
- Refer to the Instructions For Use supplied with each box of Intersurgical IS Can cartridges.

The IS Can cartridge must be used in conjunction with inspiratory CO₂ monitoring.

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**Fast and easy exchange**

The IS Can enables fast exchange of absorbent without the need to pour loose granules, which reduces the risk of contamination.

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**No dust emission**

Foam filters ensure that any fine particles or dust are retained within the IS Can and not allowed to escape into the breathing system or into the atmosphere during handling.

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**Efficient CO₂ absorption**

A gas dispersion chamber at the base of the IS Can allows for optimum flow up through the absorbent.
Ordering Information

Loose fill options
1kg. packages or 5 liter jerican

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The Drum®
1kg. pre-filled absorbent cartridge

The Drum is compatible with all anesthetic machines with single or double absorbers that have been designed to use a conventional pre-filled cartridge.

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The Pyramid®
1kg. pre-filled disposable carbon dioxide absorber

The Pyramid is compatible with the following Draeger anesthetic workstations if fitted with the Draeger® CLIC® adaptor:
- Cicero EM®
- Cato edition®
- Fabius CE®
- Fabius GS®
- Julian®
- Primus®
- Zeus®
- Perseus®
- Fabius Tiro®
- Apollo®
- Spacelabs ARKON™

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**IS Pac**

0.5kg. pre-filled disposable carbon dioxide absorber

The IS Pac is compatible with GEH (ADU) Compact Block® and Anmedic Q Block®

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**IS Can**

1kg. pre-filled disposable carbon dioxide absorber

The IS Can is compatible only with the following GE® anaesthetic workstations: Aespire®, Avance®, Aisys®, ADU®

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