

## Drägersorb Free – Soda Lime Consumables and Accessories

Click and connect with 100% reliability. As one of the leading manufacturers of anaesthesia equipment, we believe in leading the way to producing high-quality soda lime that ensures your patients' and staff's safety to the highest degree. Drägersorb is more than just a formula, it is absorption efficiency — you can trust.



## Benefits

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### Drägersorb Free

Soda lime is invaluable in removing CO<sub>2</sub> when administering anaesthesia. Moreover, ensuring the safety and comfort for both staff and patient plays a critical goal, as volatile anaesthetic compounds are used to induce patients during surgical procedures.

To optimise both safety and performance, we are the only manufacturer of anaesthesia machines that also develops and produces its own soda lime. That's why in Dräger systems, our soda lime formula is specifically designed to meet the latest requirements of anaesthesia equipment.

With Drägersorb Free, we provide you with a product that has been tested and tried to give you improved performance, while keeping your staff and patients safe during life-saving procedures.

In addition, Drägersorb Free delivers you:

- Advanced CO<sub>2</sub> absorption
- No formation of compound A or carbon monoxide.
- No channel formation.
- Low abrasion level, to significantly reduce dust formation.
- The elimination of decomposition products (e.g., formaldehyde).

In combination with our Drägersorb CLIC, you can improve your workflows and protect your investments, saving you costs in the long run.

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### Generates no Compound A

Protecting your patients from potential health risks when administering the volatile anaesthetic sevoflurane is of utmost priority. Clinical research has shown that there is a substantial drawback to using any conventional soda lime with sevoflurane due to the fact that this combination produces the toxin compound A, which studies have found to have nephrotoxic effects in animals. <sup>2</sup>

With this safety topic in mind, we have developed Drägersorb Free. Thanks to its chemical composition, when using Drägersorb Free, you will completely eliminate the generation of compound A, regardless of the degree of humidity in the soda lime. Its optimised formula delivers you safety-conscious quality to the highest levels.

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### Generates no carbon monoxide: under any clinical condition

Another serious threat to patient and staff well-being is the formation of a toxic, colourless, and odourless gas — carbon monoxide. When volatile anaesthetics are used with any conventional dry soda lime, the combination results in the production of carbon monoxide. Since carbon monoxide is not measured by anaesthesia machines, it cannot be detected by your clinical staff. This toxic by-product poses a serious hazard to your induced patients.

## Benefits

Drägersorb Free eliminates this concern. Under any and all clinical conditions, our Drägersorb Free does not generate carbon monoxide <sup>1,2</sup> No matter the degree of humidity in the soda lime, you can rest assured that your patients are protected through the entire induction process.

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### High CO<sub>2</sub> absorption capacity

Safety you can see, results you can rely on. When working with patients in a critical environment, you need to count on equipment and the accessories that complement them — 100% of the time.

Our unique soda lime pellet design took us years of dedicated research and engineering. The result is an optimal shape that gives you even and effective absorption of CO<sub>2</sub>. Our hemispherically-shaped pellet with its high porosity is designed to prevent channel formations, thus allowing optimised cartridge performance which results in long-term savings. Moreover, thanks to its clear colour change, you have a clear indication of the level of absorption and exhaustion. Our Drägersorb® Free has the highest CO<sub>2</sub> absorption<sup>1, 2, 3</sup> of all safe absorbents.

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### Practical packaging

To save you time and help you manage costs, Drägersorb Free comes in our disposable Drägersorb CLIC absorber, which can be used in all of our modern Dräger anaesthesia workstations. It is a fast, clean, and simple single-use solution that offers you flexibility and high-quality results.

You and patient are protected by:

- Zero-contact with the soda lime.
- No exposure to dust.
- Better use of absorber filling that can be changed at any time, including during surgery, thanks to its non-return valve.

Drägersorb Free is available in our disposable Drägersorb CLIC Free cartridge as well as in our 5 L refillable canister.

For anaesthesia machines with blower technology, such as Zeus® Infinity® Empowered or Perseus® A500 from Dräger, the use of a dust filter to protect the blower technology is recommended when refillable soda lime absorbers are used.

## Benefits

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### Helping to shape a more sustainable future

As a manufacturer of medical technology for over 130 years, we are committed to provide excellence in the quality of our products. And we are also committed and believe in taking responsibility in creating sustainable products.

We designed our Drägersorb products to combine patient safety and sustainability. That's why our Drägersorb products are free of natural latex and do not contain PVC or phthalates, e.g. DEHP (which is possibly carcinogenic to humans<sup>4</sup>), and why production is located in Germany with sourcing from local suppliers in Europe, to minimize the carbon footprint and related environmental impact. Furthermore we have established a recycling programme for soda lime in Germany which saves CO<sub>2</sub> emissions (33 tons in 2021).

This is our commitment, this is the responsibility we have for a healthier environment.

<sup>1</sup> Dr. Bito, Hamamatsu Med. University, Japan Journal of Clinical Anaesthesia 15:33-37, 2003

<sup>2</sup> Production of compound A and carbon monoxide in circle systems: an in vitro comparison of two carbon dioxide absorbents M.M.R.F. Struys, et al.; Anaesthesia, 2004, 59, S. 584-589

<sup>3</sup> J. Baum, H. J. Woehlck Best Practice & Research Clinical Anaesthesiology, Vol. 17 (2003) S. 63-76

<sup>4</sup> World Health Organization. Guidelines for drinking-water quality. World Health Organization. 2017. 424-425. ISBN 978-92-4-154995-0.

## Details



D-27640-2017

Dust filter

## Technical Data

Dust filter	MX50115
<b>Material:</b>	
Housing	PP Polypropylen
Fleece	Polyolefine

## Ordering Information

Description	Order no.
Drägersorb Free 5-L canister	MX50050
CLIC Absorber Free (6 absorbers per box)	MX50100
Drägersorb CLIC adapter	MX50090
Infinity® ID CLIC Absorber Free, disposable, 1.2 l, 6 pcs.	MX50120
Canister opener, for canisters MX00001 and MX50050, 5 pcs.	MX10209
Dust filter, 5 pcs.	MX50115

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