

Drägersorb® Regeneration System

Dräger offers with Drägersorb® a high-quality soda lime for the absorption of carbon dioxide (CO₂) and other acidic gases. Different versions of Drägersorb® are available depending on the application.



Benefits

Unique pellet shape

The unique hemispherical pellet shape allows a low breathing resistance and thereby provides longer usage periods.

Reproducible absorption

The uniform shape ensures an even filling of the cartridge resulting in reproducible CO₂ absorption and prevents channelling in the cartridge.

Indicator

The Drägersorb 400 ind and the Drägersorb 400 ind S feature a color indicator. The indicator will change with e.g. CO₂ from white to violet, the external signal for the replacement of soda lime.

High CO₂ absorption capacity

The extensive inner surface of the soda lime pellet guarantees a high CO₂ absorption capacity.

High resistance to abrasion

The unique hemispherical pellet shape has a high resistance to abrasion and thereby reduces dust formation.

Higher water content

The Drägersorb 400 S and the Drägersorb 400 ind S offer a higher water content. Dräger is the only company to produce soda lime with higher water content especially for room air application and whose filtering function lasts longer under these conditions than conventional soda lime products.

Typical applications

- ventilation filter for waste water plants
- supply air filter for cooling water circulations in power plants (deionised water)
- shelter and rescue rooms in mining
- rescue trains

System components



D-314652-2011

Dräger PSS® BG 4 plus

Designed especially for tough missions: The Dräger PSS® BG 4 plus closed circuit breathing apparatus combines uncompromising safety with the highest level of breathing and carrying comfort. The unit supplies the wearer with up to 4 hours of breathing air, even in toxic atmospheres.



D-537730-2012

Dräger Refuge and Rescue Chambers

Shelter complete with a safe breathing air supply: Thanks to its modular design and independence from stationary connections, the Dräger refuge chamber fits in seamlessly with your rescue concept. The Dräger range of chambers utilise decades of experience in respiratory protection for use in underground operations.

Related Products



D-233525-2009

Drägersorb® 400

Drägersorb® 400 is used to absorb acid gases, such as carbon dioxide (CO₂), in closed or semi-closed circuit breathing apparatus.

Related Products



ST-448-2003

Dräger DiveSorb® Pro

The Dräger DiveSorb® Pro was developed specifically for closed or semi-closed rebreathers in order to allow a high degree of CO₂ absorption, and thus long dive times.



ch16720

Dräger CO₂ - Soda lime cartridge

The Dräger soda lime cartridge was developed for use with Dräger carbon dioxide scrubbers, e.g. A 2000 for submarine applications.



MT-2002-2008

Drägersorb® Soda Lime

High safety ^{1, 2} and CO₂ absorption capacity. Soda lime is essential for CO₂ absorption in inhalation anaesthesia machines with rebreathing systems. Yet conventional soda lime can produce Compound A and carbon monoxide.

Technical Data

Composition	calcium hydroxide, sodium hydroxide, water
Shape	hemispherical pellet
Color	white
Indicator	no color indicator
Storage temperature	-30 to +50 °C

Characteristic	Specification	Typical Value Drägersorb 400 S
Grain size according to USP*	2-4 mm	
>9.5 mm	0 mass%	0 mass%
9.5-4.0 mm	max. 7 mass%	0.3 mass%
4.0-2.0 mm	balance	99 mass%
2.0-0.425 mm	max. 15 mass%	0.2 mass%
<0.425 mm	max. 2 mass%	0.2 mass%
Water content	19-23 mass%	19-23 mass%
Density	830 – 1030 g/L	830 – 1030 g/L
Hardness according to USP	≥ 75.0 mass%	94.4 mass%
CO ₂ -absorption capacity according Dräger-application test	≥ 30 mass%	33 mass%
CO ₂ -absorption capacity according Dräger-application test	≥ 135 L CO ₂ / kg	205 L CO ₂ / kg**

* US Pharmacopeia 27

** depending on the operation parameters and the absorption system

	pail	canister
Dimensions (L x B x H rounded)	320 x 320 x 380 mm	290 x 270 x 450 mm
Weight	15 kg	18 kg
Shelf life	2 years	5 years

Ordering Information

Name		Order No.
Drägersorb 400 S	15 kg soda lime (pail)	67 39 670
	18 kg soda lime (canister)	67 39 000

Notes

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
www.draeger.com

Manufacturer:

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany

REGION EUROPE CENTRAL AND EUROPE NORTH

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE SOUTH

Dräger Safety France SAS
25, rue Georges Besse
92182 Antony Cedex
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
europa.south@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

REGION ASIA PACIFIC

Draeger Safety Asia Pte Ltd
25 International Business Park
#04-20/21 German Centre
Singapore 609916
Tel +65 6308 9400
Fax +65 6308 9401
asia.pacific@draeger.com

REGION CENTRAL AND SOUTH AMERICA

Dräger Panama S. de R.L.
Complejo Business Park,
V tower, 10th floor
Panama City
Tel +507 377 9100
Fax +507 377 9130
contactcsa@draeger.com

Locate your Regional
Sales Representative at:
www.draeger.com/contact

