

## Dräger CDR 4500 NIOSH CBRN Approved

The Dräger CDR 4500 full-face mask was specifically designed for use in civil defense and civil protection. Together with CBRN Cap 1 Canister, the mask provides effective protection against hazardous substances in the ambient air.



The Dräger CDR 4500 full-face mask offers complete protection of the respiratory organs and face from harmful gases and particles in the ambient air. The elastomer mask body is extremely resistant to chemicals and mechanical impact. The emergency response teams appreciate its simple handling, outstanding comfort and excellent fit for a wide range of head and face sizes. A neck strap is supplied as standard.

The centrally located and standard NATO canister connection ensures a good balance and prevents the mask slipping on the face even during prolonged use. The lens provides a large, distortion free field of vision, while the integrated speech diaphragm enables clear man-to-man communication. The specially chosen materials and first-class workmanship ensures a high standard of quality and long service life. The mask is tested and approved to NIOSH CBRN.

The Dräger CDR 4500, combined with our CBRN Cap 1 canister provides proven protection from a wide variety of potentially hazardous situations. The combination has passed rigorous chemical permeation and penetration resistance tests using sarin and mustard gases. The ten gases that the Cap 1 canister has been tested against represent protection from approximately 140 different gases, in addition to the P100 particulate protection. This versatile mask and filter combination represents an important part of the personal protective equipment for emergency response teams.



Dräger CDR 4500 Full Face Mask



CBRN Cap 1 Canister

## TECHNICAL DATA

### Dräger CDR 4500 Full Face Mask

Mask as a whole	High chemical resistance according to (US NIOSH CBRN standard) resistance even against warfare agents
Mask body	Silicone-free elastomer
Sealing frame	Double seal with triple sealing line for comfortable, tight fit
Lens	Impact-proof polycarbonate (PC) with anti-scratch coating on both sides for high chemical resistance Large field of vision and excellent quality of vision
Filter connection	Standard thread NATO 40 mm
Weight	Approximately 500 g (without filter)
Harness	5-point (large adjusting points to prevent trapping of hair)
Neck strap	As standard
Speech diaphragm	Stainless steel, high speech quality
Resistance	To US CBRN APR standard against sarin and mustard gas for up to 8 hours Test description and test concentration on request
Service life	> 10 years (storage and servicing as per manual)
Canister	Shelf-life minimum 10 years (in original packaging)
Approvals	US NIOSH CBRN standard (TC-14G-0286) also approved to (EN 136 Cl. 3, CE mark)

Further information available from the technical datasheet

## TEST DATA

NIOSH CBRN Testing Agents	Test Conc.	Breakthrough
	(ppm)	(ppm)
Ammonia	2500	12.5
Cyanogen Chloride	300	2
Cyclohexane <sup>1</sup>	2600	10
Formaldehyde	500	1
Hydrogen Cyanide	940	4.7 <sup>2</sup>
Hydrogen Sulfide	1000	5
Nitrogen Dioxide	200	1 NO or 25 NO <sub>2</sub> <sup>3</sup>
Phosgene	250	1.25
Phosphine	300	0.3
Sulfur Dioxide	1500	5

<sup>1</sup>Cyclohexane is representative of organic vapors with a vapor pressure less than or equal to Cyclohexane.

<sup>2</sup>Sum of HCN and C<sub>2</sub>N<sub>2</sub>

<sup>3</sup>Nitrogen Dioxide is monitored for both NO and NO<sub>2</sub>, determined by which breaks through first.

## ORDER INFORMATION

Description	Order No.
Dräger CDR 4500 (black plastic lens frame), universal size	R 55 440
Dräger CDR 4500 (black SS lens frame), small	R 55 575
Dräger CDR 4500 (black SS lens frame), medium	R 55 710
Dräger CDR 4500 (black SS lens frame), large	R 55 580
CBRN Cap 1 Canister	67 38 146

### Accessories

Tactical Mask Bag	40 56 997
Hard Plastic Full Mask Carry Case	R 51 019
Spectacle Kit	R 51 548
"Klar Pilot" Antifog Gel (50 ml)	R 52 560
Trispec Spectacle Kit	40 57 622
Air-Klem AO33 Disinfectant Powder	40 54 085
Alcohol Free Wipes, Box of 100	40 53 845
Portacount Fit Test Adapter	40 56 315
FitTester 3000 Adapter	40 56 718

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