

Dräger CPS 7900 olive, beige NBC Suits

Tailor-made for use in CBRN hazard situations: The gas-tight Dräger CPS 7900 provides excellent protection against industrial chemicals, biological agents, and other hazardous substances. Its innovative material qualifies the CPS 7900 equally well for civil emergency and disaster recovery missions as well as decontamination work.



Benefits

D-Mex™: 5x protection

The suit material D-mex™ features unique properties. It is chemical-resistant, flame retarding, self-extinguishing, anti-static, remains flexible even in contact with cryogenic substances and is resistant to severe mechanical stress. It offers outstanding protection against industrial chemicals, biological and chemical warfare agents, radioactive particles and other hazardous substances.

Comprehensive approvals - an extra class of protection

Thanks to the innovative material D-mex™, the chemical protection suit meets and even partially exceeds the requirements of the international safety standards and norms for reusable suit protection. These include, amongst others, EN 943 parts 1 and 2 (ET), EN 1073-2, EN 14126 as well as the British CBRN Standard BS 8467.

Exceptional wearing comfort

The protective suit Dräger CPS 7900 reduces the burden during the already difficult work in hazardous areas. With its new, ergonomic cut and the five available suit sizes, it offers wearers ranging from 1.50 m to 2.10 m in height the greatest freedom of movement to conduct their activities. In addition, the markedly lighter and malleable suit material adapts to the movements and offers full flexibility.

Innovative details from head to toe

The new design of the visor offers an almost natural field of vision with the Dräger FPS 7000 full face mask. The various glove combinations can be quickly attached to the suit without using tools. As an option, the protective suit can be equipped with integrated safety boots or gas-tight socks (in the suit material). An integrated communicative radio pocket and a mount for push-to-talk buttons ease communication.

Optimal solutions for deployment

The chemical protective suit Dräger CPS 7900 can be customised for your special needs, thus expanding your deployment options. These include the pressure gauge holder, the height adjustment, the anti-fog visor and the D-Connect.

Never again gasping for a breath

Breathing air is a scarce resource during hazardous deployments. The route from the point of operation and to the decontamination area must be bridged. The actual work has to be completed. Finally, a careful decontamination has to be conducted so that the task forces can take off their suits. The air supply of the breathing apparatus is often insufficient for this. For such cases, the suit can be equipped with optional Air-Connect or the regulation valve PT 120 L.

Benefits

Simple service

The regular inspection efforts can be significantly reduced thanks to the innovative materials and new service concepts. In addition, the suit can be easily cleaned and disinfected automatically. This means that the efforts to keep the suit ready for use over its 15 year service life are significantly reduced.

System Components

D-0916-2019



Dräger PSS® AirBoss

The Dräger PSS® AirBoss offers best in class ergonomics and is one of the lightest weight breathing apparatus for firefighting. Lessons learned from firefighters around the world as well as latest innovations in technology have led us to design an even safer and cleaner SCBA system that enables you to breathe more easily and for longer.

ST-3560-2003



Dräger PAS® AirPack 1

Designed using leading technology and materials, Dräger's range of heavy-duty airline apparatus is ideal for use where an extended duration of breathing air is called for. Chemical tank cleaning, toxic spillages or certain tasks when working on offshore installations are all made easier and more comfortable when using the Dräger PAS® AirPack 1.

System Components



D-13077-2010

Dräger Comfort Vest

Increased performance by up to four hours – without the need for elaborate preparation or logistics: when work gets hot, the Dräger Comfort Vest CVP 5220 is always ready to use as it delivers the cooling action itself. This means: no pre-freezing, no dipping into water, no risk due to dangerous circulating air – and no time loss.



D-0427-2019

Dräger HPS® SafeGuard

The Dräger HPS® SafeGuard is the extremely lightweight universal helmet for fire and rescue services. Its innovative design combines optimal protection with the highest levels of wearing comfort. Its sporty look, light weight and tailor-made accessories make the helmet a real all-rounder for any challenge.

Accessories



D-18315-2010

Nitrile-P boots

Firefighter's boots with toecaps, provide excellent protection against penetration, cutting and abrasion. Extra comfortable, in sizes 43 to 50.

Accessories



D-18319-2010

Gas-tight socks

Gas-tight socks provide flexibility in choosing boots.



ST-6202-2006

Cotton gloves

Optional glove for hygienic wear under chemical protection gloves.



ST-6190-2006

Tricotril® over gloves

Cut resistance and chemical protection glove all in one, available in sizes 10 and 11.



ST-15204-2008

K-MEX® Gigant over gloves

Additional cut resistance, available in size 14.

Accessories



Laminate + Tricotril combination

Combining mechanical and chemical protection in one – offering high sensitivity, in sizes 10 to 11.



Rubber ring

For fixing the over glove to the sleeve.



Gas-tight sleeve

Encloses the wrist and protects the arm if a leak occurs in the glove.



Air-Connect

Basic pass thru to connect the SCBA on the suit's inside with an external air source.

Accessories



D-4910-2010

D-Connect

Meant to hang gas meters etc. on the side of the suit. Can be used for crash rescues when the suit is equipped with two D-Connects.



D-4802-2010

Dräger Regulation Valve PT 120 L

Pass thru offering cooling effect on the body and additional breathing air from external sources.

Related Products



D-4598-2010

Dräger CPS 7900

Tailor-made for use under extreme conditions: The gas-tight Dräger CPS 7900 provides excellent protection against industrial chemicals, biological agents, and other toxic substances. Its innovative material qualifies the CPS 7900 equally well for work in explosive areas and for handling cryogenic substances.

Related Products



Dräger CPS 5900

The Dräger CPS 5900 is the ideal limited-use, gas-tight chemical protective suit for hazmat incidents. Where complete protection against hazardous gases, liquids and particles is of the utmost priority, this lightweight garment is the suit of choice.



Dräger CPS 5800

The Dräger CPS 5800 is a limited-use chemical protective suit for industrial applications and operations on board that involve a gaseous, liquid or solid hazardous substance.



Dräger CPS 7800

The reusable gas-tight Dräger CPS 7800 provides excellent protection against gaseous, liquid, aerosol and solid hazardous substances even in explosive areas. Due to its innovative material and the new suit design it offers increased flexibility and comfort when entering confined spaces and working with cryogenic substances.

Technical Data

APPROVALS

PPE Regulation (EU) 2016/425	Requirements for Personal Protective Equipment
EN 943-1	EU requirements for gas-tight protective suits for industrial applications
EN 943-2 (ET)	EU requirements for gas-tight protective suits for use by firefighters
EN 1073-2	Protection against contamination from radioactive particles
EN ISO 13688	Protective Equipment - general requirements
EN 14126	Protection against contamination from infectious agents
EN 14593-1	Supplied by an air line breathing apparatus with lung demand valve
ISO 16602	International standard for chemical protective suits
BS 8467	British requirements for CBRN protective suits
SOLAS	Requirement for use on maritime vessels
Ex-Protection	Suitable for operations in all explosive areas

CHEMICAL TESTS

Chemical	Breakdown time in min*	Chemical	Breakdown time in min*	Chemical	Breakdown time in min*
Acetone	> 480	Ethyl acetate	> 480	Sarin (GB)**	> 1,440
Acetonitrile	> 480	Ethylene oxide	> 480	Sodium hydroxide 40%	> 480
Ammonia	> 480	Hydrogen chloride	> 480	Soman (GD)**	> 1,440
1.3-Butadiene	> 480	Lewisite (L)**	> 180	Sulfuric acid 96%	> 480
Carbon disulfide	> 480	Methanol	> 480	Tetrachlorethylene	> 480
Chlorine	> 480	Methyl chloride	> 480	Tetrahydrofuran	> 480
Dichloromethane	> 480	Mustard gas (HD)**	> 1,440	Toluene	> 480
Diethylamine	> 480	n-Heptane	> 480	VX**	> 1,440

Via the constantly updated Dräger VOICE database you can find out about chemical resistance and decontamination processes:
www.draeger.com/voice

* breakthrough time according to EN 943 Part 2

** breath through time according to FINABEL 0.7.C

MECHANICAL TESTS

Test acc. to EN 943:	Class***
Abrasion resistance	6
Flex cracking resistance	6
Flex cracking resistance at -30 °C	6
Resistance to tear propagation	3
Bursting resistance	6
Piercing resistance	3

*** classes acc. to EN 943 Part 2 – from 1 (lowest) to 6 (highest).

Ordering Information

CPS 7900	Minimum order quantity: 50 pcs. per order	Order No.
Colors	olive/beige	R 29 450
Sizes	Size S: body heights 1.50 m to 1.65 m	Basic components

Ordering Information

Zipper	Size M: body heights 1.60 m to 1.75 m	Basic components
	Size L: body heights 1.70 m to 1.85 m	
	Size XL: body heights 1.80 m to 2.00 m	
	Size XXL: body heights 1.95 m to 2.10 m	
Integrated boots or socks	Closes at top or bottom Basic	Basic components
	Cover flap with hook-and-loop fastener or snaps	
Gloves	Safety boots: sizes 43 to 50 (German sizing system)	Basic components
	Gas-tight socks in 3 sizes: 40 to 50 (German sizing system)	
Gloves accessories	Fluoroelastomer-Butyl (FKM-IIR) glove: sizes 9 - 11	Accessories
	Laminate + Triotril glove combination: sizes 10 + 11	
	Laminate + Butyl glove combination: sizes 9 - 11	
Clear view	Cotton gloves	Accessories
	Gas-tight arm cuff	
	Cut-resistant overgloves Tricotril® or K-MEX® Gigant	
External air supply	Anti-fog visor	Accessories
	Regulation Valve PT 120 L	
Fastening option	Air-connect	Accessories
	D-connect at right and/or left hip	
Easier pressure monitoring	Pressure gauge holder	Accessories
Individually adjustable	Height adjustment	Accessories
Storage and transport	CSA Storage and transport bag	Accessories
	Storage box	
	Electronic warehouse management transponder (basic component)	
Customized marking:	In different colors on back, chest, thighs, and sleeves	Accessories

The modular system allows the protective suit to be adapted to the customer's individual requirements.

Tricotril® is a registered trademark of KCL GmbH.

K-MEX® is a registered trademark of KCL GmbH.

Notes

Notes

Not all products, features, or services are for sale in all countries.
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to www.draeger.com/trademarks to find the current status.

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