

Dräger CPS 7900 Gas-Tight Suit

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.

Anti-fog disk (optional)

- No fogging – without pretreatment
- Large viewing window offers a nearly natural field of view

RV PT 120 L regulation valve (optional)

- Connection to an external breathing air source
- Adjustable ventilation rate
- Available with automatic switch-over between SCBA and external air source upon request

Zipper on the side

- Choose between opening form the top or bottom
- Cover flap with press studs or hook-and-loop fastener
- Especially suited to the needs of emergency teams

New backpack

- Combinable with all known PA cylinder combinations and closed-circuit devices

Gas-tight safety gloves (attachable to the suit without tools)

- Or with the new EN combination (Silvershield and Tricotril)

Integrated safety boots

- Easy to replace
- Attached to the suit
- Or gas-tight integrated socks



D-4598-2010

Benefits

Protection in a class of its own

The chemical protective suit Dräger CPS 7900 was developed to protect its wearer when handling toxic or hazardous materials and to provide much needed support for a variety of dangerous tasks. The suit material D-mex offers unique resistance to various substances as well excellent protection against mechanical effects, liquefied gases, and flash fires. The Dräger CPS 7900 meets and exceeds the requirements of international standards of fire departments, search and rescue organizations, and industry for reusable protection suits.

D-MEX: 5-Fold safety

The suit's innovative and unique material D-mex™ consists of five layers. An especially sturdy elastomer layer as well as a barrier layer resistant to chemicals is on the inside as well as the outside. This allows the suit to retain its full protective capacity even when the material on the outside becomes damaged. Its electrostatic properties make it possible to use the suit in all explosive areas. If a spark occurs in spite of this remarkable fabric, the flame-retardant and self-extinguishing material protects its wearer from serious burns. The flexibility of D-mex™ even makes it possible to handle liquefied gases such as ammonia at a contact temperature of -80°C.

Outstanding wearing comfort

The chemical protective suit reduces the stress during the already difficult work in hazard zones and danger areas. With its new, ergonomic cut and five available sizes, the suit offers its wearers with a body height of 1.50 m to 2.10 m the highest degree of mobility during a wide variety of activities and tasks. Moreover, the clearly lighter weight and better drape of the suit material adjusts to the wearer's movements and offers the full range of flexibility.

Ready at any time

Innovative materials and new service concepts made it possible to significantly reduce time and expenses for regular testing and expenses. In addition, the suit can be easily cleaned and disinfected. This means the time and expense spent over the 15 years of service life of the suit is much less.

Ready for the extraordinary

Accessories are available to customize the chemical protective suit to meet your specific needs and requirements, thereby expanding your range of application options. Including pressure gauge holder, height adjustment, anti-fog visor and D-Connect.

Never again gasping for a breath

Breathing air is a scarce commodity when it comes to runs involving toxic materials or hazardous atmospheres. The route to the deployment location and the decontamination location must be bridged. The actual tasks must be completed. This is followed by a careful decontamination so that suits can be removed. The amount of air

Benefits

available in a compressed air breathing apparatus often is insufficient to cover both activities. For this reason the suit can be equipped with optional pass thrus.

System components



D-13666-2010

Dräger FPS® 7000

The Dräger FPS® 7000 full-face mask series sets new standards in terms of safety and wearing comfort. Thanks to its enhanced ergonomics and the availability of multiple sizes, it offers a large, optimized field of vision and a very comfortable, secure fit.



D-13629-2010

Dräger Panorama Nova®

The respiratory mask Panorama Nova® meets the highest standards of protection, sealing and quality. For decades proven worldwide, the full face mask represents absolute reliability in the protection of the respiratory tract and eyes.

System components



ST-5785-2004

Dräger HC-COM

Dräger HC-COM helmet units are compact and lightweight receiver/transmitter units which can be adapted to different helmet shapes and enable immediate, clear and reliable communication.



D-12272-2009

Dräger HPS® 6200

The Dräger HPS® 6200 – a firefighter's helmet in a class of its own. Optimum protection even at extreme temperatures. High wearing comfort and a good climate inside the helmet. A wide range of accessories is available to complete the head-protection system.



D-59562-2012

Dräger HPS® 7000

The Dräger HPS® 7000 firefighter's helmet is in a class of its own, thanks to its innovative, sporty and dynamic design, ergonomic fit and components which make it a multifunctional system solution. It provides optimum protection during every operation.



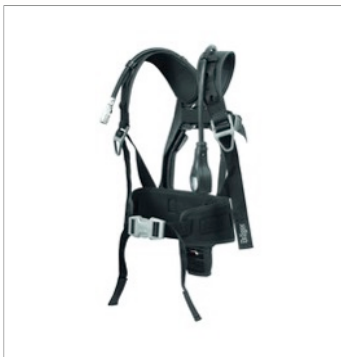
D-31452-2011

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.

System components

D-7489-2010



Dräger PSS® 3000

The Dräger PSS 3000 is a high performing breathing apparatus for firefighters. Combining comfort with exceptional pneumatic performance, it is designed for applications where simplicity and ease of use are key essentials. Lightweight yet robust, and easy to don, this advanced breathing apparatus provides the ultimate in breathing protection.

D-4266-2010



Dräger PSS® 5000

The Dräger PSS® 5000 SCBA is a high performance breathing apparatus for the professional firefighter. Combining advanced ergonomics with a wide range of configurable options the Dräger PSS® 5000 provides the user with the comfort and versatility to meet the demands of first responders whenever breathing protection is required.

ST-6147-2007



Dräger PSS® 7000

Developed by professionals for professionals, the Dräger PSS® 7000 breathing apparatus is a major milestone in our continuing development of breathing devices for the professional fire fighter.

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.

Accessories



D-4651-2010

Nitrile-P boots

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



D-4995-2010

Gas-tight socks

Can be worn with the safety boots and, therefore, providing maximum wearer comfort.



ST-6190-2006

Tricotril® over gloves

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



ST-19204-2008

K-MEX® Gigant over gloves

Additional cut resistance, available in size 14.

Accessories



D-4904-2010

New EN-glove combination

Combining mechanical and chemical protection in one - offering high sensitivity.



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-4663-2010

Air-Connect

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



D-4802-2010

Regulation Valve PT 120 L

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

Related Products



D-13088-2010

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.



D-22732-2009

Dräger CPS 5900

The Dräger CPS 5900 is the ideal disposable, 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.



D-44231-2012

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.



D-18810-2010

Dräger CPS 7900 olive, beige

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.

Technical Data

APPROVALS

EN 943-1:2002	EU requirements for gas-tight protective suits for industrial applications
EN 943-2:2002 (ET)	EU requirements for gas-tight protective suits for use by firefighters
BS 8467	British requirements for CBRN protective suits
EN 1073-2	Protection against contamination from radioactive particles
EN 14126	Protection against contamination from infectious agents
SOLAS	Requirements for maritime use
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	>540	Ethyl acetate	>540	Sarin (GB)**	>1440
Acetonitrile	>540	Ethylene oxide	>540	Sodium hydroxide 40%	>540
Ammonia	>540	Hydrogen chloride	>540	Soman (GD)**	>1440
1,3-Butadiene	>540	Lewisite (L)**	>180	Sulfuric acid 96%	>480
Carbon disulfide	>540	Methanol	>540	Tetrachlorethylene	>540
Chlorine	>540	Methyl chloride	>540	Tetrahydrofuran	>540
Dichloromethane	>540	Mustard gas (HD)**	>1440	Toluene	>540
Diethylamine	>540	n-Heptane	>540	VX**	>1440

The continuously updated database VOICE is available to stay informed about chemical resistances and decontamination processes.

* 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

	Order No.
CPS 7900	R 29 500
Colors	Basic components
Sizes	Basic components
	Size S for body heights of 1.50 m to 1.65 m
	Size M for body heights of 1.60 m to 1.75 m
	Size L for body heights of 1.70 m to 1.85 m
	Size XL for body heights of 1.80 m to 2.00 m

Ordering Information

	Size XXL for body heights of 1.95 m to 2.10 m	
Zipper	Closes at top or bottom Cover flap with hook and loop fastener or snaps	Basic components
Integrated boots or socks	Safety boots in size 43 to 50 (German sizing system) Gas-tight socks in 3 sizes from 40 to 50 (German sizing system)	Basic components
Gloves	Previous EN combination in size 9 to 11 New EN combination in size 10 to 11	Basic components
Gloves accessories	Cotton gloves Gas-tight arm sleeve/wristband Cut-resistant overgloves Tricotril® or K-MEX® Gigant	Accessories
Clear view	Anti-fog visor	Accessories
External air supply	Regulation Valve PT 120 L Air-connect	Accessories
Fastening option	D-connect at right and/or left hip	Accessories
Easier pressure monitoring	Pressure gauge holder	Accessories
Individually adjustable	Height adjustment	Accessories
Storage and transport	CPS Storage and transportation bag Storage box Electronic warehouse management transponder (Basic component)	Accessories
Customized marking:	In different colors on back, chest, and sleeves	Accessories
Tricotril® is a registered trademark of KCL GmbH		
K-MEX® is a registered trademark of KCL GmbH		

Notes

Notes

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