



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.

Dräger CPS 7900

Basic Features

Large visor with anti-fog option

Ensuring fog-free visibility without pretreatment, and a near-natural field of view.

Integrated gas-tight safety gloves

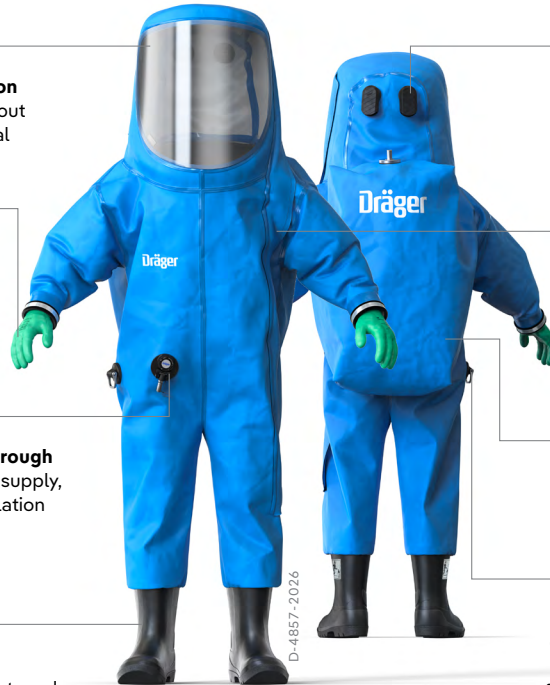
Attachable to the suit without use of tools and available in different sizes and material combinations.

Optional Air-Connect pass-through

Easy connection to external air supply, and additional adjustable ventilation via optional RV PT, automatic changeover with the ASV.

Integrated safety boots

Suit-integrated design with shortened boot shafts for better universal fitting.



Dual exhalation valve

Rear-mounted twin exhalation valves with low air resistance for safe venting of air while maintaining positive suit pressure.

Gas-tight side zipper

Flexible design allows closing from either top or bottom, quickly secured by cover flap with either snaps or hook and loop fastener.

Integrated backpack design

SCBAs are well protected within the suit.

D-Connect

Optional integrated attachment ring to enable easy carrying and hands-free operation of mission equipment.

Dräger CPS 7900

Titanium Edition – Optional Additional Features

Visor print

Quick identification of squads and individuals or display of essential information such as suit size

Multi-colour logo

Individual print option for badge or organizational logo and simplified organizational identification

Lamp-Connect

Quick-action attachment point for effortless work area illumination and hands-free use of lamps

Reflective stripes

For better all-round visibility in dark environments or in conditions of limited visibility



Sky-Code

Print option on hood for easier identification of individual units and operators from above

Rescue-Connect

Ergonomic handle for rapid rescue and recovery in emergencies in conjunction with Dräger AirBoss SCBA

Device-Connect

Quick-action attachment point to enable quick access to and hands-free operation of equipment like gas detectors

Compatibility with standard CPS 7900

Features of the Titanium Edition could be used also as single option for standard CPS 7900

Benefits

Superior protection

The CPS 7900 is made of the innovative and ultra-durable D-mex material offering unique resistance to various substances and high mechanical strength even at extremely low temperatures. 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 plus a support fabric in the middle. This allows the suit to retain its full protective capacity even when the material on the outside becomes damaged. Additionally, the hazmat suit is flame-retardant and self-extinguishing, and thanks to its electrostatic properties it can even be safely used in Ex zones.

Optimal wearing comfort

The suit system offers relief for the already difficult work in danger zones and hazardous areas thanks to its tailored fit. It is available in five sizes (S to XXL) and comes with optional variable length adjustments, accommodating wearers from 1.50 m to 2.10 m. The clearly lighter weight and better drape of the suit material adjust to your movements and offers the full range of flexibility. Moreover, the integrated safety boots range from EU 43 to EU 50, and both gloves and gas-tight socks come in three sizes each. This offers the highest degree of mobility during a wide variety of activities and tasks.

For even more wearing comfort, especially during demanding tasks in high-temperature environments, the suit system can be equipped with the Dräger Comfort Vest CVP 5220. Providing cooling action without the need for pre-freezing, it helps reduce skin temperature by approximately 3 to 4 °C for up to 4 hours.

Clever air supply concept

Breathing air is a scarce commodity in hazardous goods operations. To ensure you are well equipped, the hazmat suit is combined with a Dräger full-face mask and a compressed air breathing apparatus. With the backpack design the SCBA is worn inside the suit for extra protection in tough environments.

For additional breathing air requirements after a long operation, for example to bridge the time during decontamination processes, the optional PT 120 L regulation valve and Air Connect are available to integrate a secondary air supply. This additional air can also be used in standby mode to conserve the breathing air in the compressed air breathing apparatus.

Impressive operational performance

True operability in high-stakes scenarios demands protective equipment that integrates effortlessly and delivers flexible, situation-specific protection. The CPS 7900 meets these requirements with the optional Lamp- and Device-Connect. Those quick-action attachment points enable quick access to and hands-free operation of equipment.

The suit can furthermore be equipped with Rescue-Connect - a sophisticated rescue system for critical operations. It enables the wearer to be pulled out of the danger zone quickly and easily, the breathing apparatus to be released in seconds and the suit to be removed in the shortest possible time. This enables immediate rescue and first aid without any delay.

In addition, the CPS 7900 features a suit-integrated radio pocket and a holder for push-to-talk buttons make communication easier. The D-Connect mounting ring enables easy carrying and hands-free operation of mission equipment. This also applies to the pressure gauge holder, which also allows the residual pressure in the cylinder to be easily read.

Benefits

Optimized serviceability

The CPS 7900 represents an investment in long-term reliability and low total cost of ownership. High-quality and durable materials and thorough manufacturing, including double-welded seams inside and out, enable particularly long maintenance intervals: five years without servicing and every two years thereafter. This leads to minimum servicing costs and maximum uptime over the suit's entire lifecycle of 15 years.

Cleaning and disinfecting are also convenient with three approved procedures, supporting both manual or machine cleaning (drum washing and cleaning / dryer cabinets).

Details



D-19451-2025

Dräger CPS 7900 in blue



D-19477-2025

Dräger CPS 7900 in orange



D-19472-2025

Dräger CPS 7900 in olive



D-19480-2025

Integrated gas-tight safety gloves (Tricotril version)



D-19479-2025

Integrated safety boots with shortened boot shafts



D-19453-2025

Integrated backpack with SCBA worn inside suit



D-19464-2025

Device-Connect for hands-free operation of equipment, such as small gas detectors.



D-19465-2025

Lamp-Connect for hands-free use and additional light



D-19460-2025

Rescue-Connect in conjunction with Dräger PSS AirBoss

System Components

D-17019-2024



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.

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-19710-2025



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



Nitrile-P Boots

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



Cotton gloves

Optional glove for hygienic wear under chemical protection gloves.



Overglove Tricotril

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



Glove Combination Laminate + Tricotril for CPS

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

Accessories



FKM/Butyl Glove

Made from fluoro rubber butyl (FKM/IIR) in sizes 9 to 11.



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 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.

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-18321-2010



Dräger CPS 7900 olive

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

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 1073-1 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 EN 14594	Supplied by an air line breathing apparatus
ISO 16602	International requirements for chemical protective suits
BS 8467	British requirements for CBRN protective suits
SOLAS	Requirements for maritime use
EX-Protection	Suitable for operations in 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)**	>480	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

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

Product / Category	Options	Order no.
CPS 7900 Configurator	Blue or orange colour	R29500
	Olive colour	R29450
Sizes	Size S: body heights 1.50 m to 1.65 m	Basic components
	Size M: body heights 1.60 m to 1.75 m	
	Size L: body heights 1.70 m to 1.85 m	
	Size XL: body heights of 1.80 m to 2.00 m	
Zipper	Closes at top or bottom	Basic components
	Cover flap with hook-and-loop fastener or buttons	
Integrated boots or socks	Safety boots: sizes 43 to 50 (European sizing system)	Basic components
	Gas-tight socks in 3 sizes: 41 to 50 (European sizing system)	
Gloves	FKM/Butyl Glove: sizes 9 to 11	Basic components
	Laminate + Triotril® glove combination: sizes 10 + 11	
	Laminate + Butyl glove combination: sizes 9 - 11	
Gloves accessories	Cotton gloves	Accessories
	Gas-tight arm cuff	
	Cut-resistant overgloves Tricotril®	
Clear view	Anti-fog visor	Accessories
External air supply	Regulation Valve PT 120 L	Accessories
	Air-connect	
Fastening option	D-connect at right and/or left hip	Accessories
Easier pressure monitoring	Pressure gauge holder	Accessories
Individually adjustable	Height adjustment	Accessories
Emergency Rescue	Rescue-Connect	Accessories
Universal connector	Lamp-Connect / Device-Connect	Accessories
Storage and transport	CPS Storage and transportation bag	Accessories
	Storage box	
Electronic asset management	Transponder (RFID + UHF)	Basic component
Customized marking	On the back, chest, thighs, visor, hood and sleeves in different colours	Accessories

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