

Dräger CPS 5900 Gas-Tight Suit

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-22752-2009

Benefits

The right level of protection

The CPS 5900 provides excellent protection against a broad range of industrial chemicals as well as warfare agents. Specifically designed for low risk operations, it can be used in a variety of applications such as when taking measurements or transferring hazardous substances in non-explosive atmospheres. As the first chemical protective suit to be approved to NFPA 1994, class 2 and EN 943 part 1&2 (ET), the CPS 5900 also complies with the requirements of the SOLAS convention (pending). As a result, it fulfils the most demanding international standards of fire fighters and industrial users for limited use, gas-tight protective suits. Where the potential risks might include mechanical stress and flash fire, the heavy duty Dräger CPS 7900 protective suit should be worn.

Offering even more comfort

Featuring the new Dräger cut, the Dräger CPS 5900 offers improved ergonomics and optimized compatibility with various types of personal protective equipment including the latest breathing apparatus, helmets and other forms of PPE. It can also be worn with twin cylinders or closed circuit breathing apparatus. Available in five sizes, the suit is designed to fit both male and female users from 1.50 m to 2.10 m in height. Made of Zytron® 500, the softest laminate material on the market, each seam has been sewn and then hot-air taped internally and externally. The material and production quality allow for a ten-year shelf life.

Zytron® is a registered trademark of Kappler Inc.

Meeting your needs:

- Fully encapsulating suit for maximum protection
- Wide front entry on left side for easy donning & doffing
- Zipper fastener (bottom up)
- Double flap zipper protection
- Flexible and foldable two-layer visor offers almost natural field of vision
- Integrated gas-tight socks with boot flaps for use with multiple boot sizes
- Fixed gloves combine butyl outer with laminate inner lining for increased protection against chemicals and punctures
- Kevlar over-glove for additional cut protection
- Integrated waist belt for size adjustment
- Optional with connector for external air supply to extend decontamination phase

System components

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-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-10572-2011



Dräger FPS®-COM 5000

Because there is no time for misunderstanding in an emergency: The Dräger FPS®-COM 5000 communication unit replaces the proven Dräger FPS®-COM-PLUS. It has been specifically developed for the full-face mask Dräger FPS® 7000 and ensures clear communication through a voice amplifier unit or radio device – even under extreme conditions.

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



Nitrile-P boots

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



Neptune over gloves

Additional cut resistance for your hands; size 10 and 11.



Grease pen

For zip maintenance.



Cotton gloves

Optional glove for hygienic wear under chemical protection gloves.

Accessories

ST-6179-2006



"Klar-Pilot" fluid

Anti-fogging agent for suits without anti-fog disk.

Related Products

D-4809-2010



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.

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.

Related Products



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 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

Chemical tests

Chemical	Breakthrough time in min*	Chemical	Breakthrough time in min*	Chemical	Breakthrough time in min*
Aceton	>480	Ethyl acetate	>480	Sarine (GB)	>480
Acetonitrile	>480	Ethylene oxide	>480	Sodium hydroxide 40%	>480
Ammonia	>480	Hydrogen chloride	>480	Soman (GD)	>480
1,3 Butadiene	>480	Lewisite (L)	>480	Sulphuric acid 96%	>480
Carbon disulphide	>480	Methanol	>480	Tetrachlorethylene	>480
Chlorine	>480	Methyl Chloride	>480	Tetrahydrofurane	>480
Dichloromethane	>480	Mustard gas (HD)	>480	Toluene	>480
Diethylamine	>480	n-heptane	>480	VX	>480

* Breakthrough time according to EN 943-2:2002

The continuously updated database Dräger VOICE is available to stay informed about chemical resistances: www.draeger.com/voice

Technical data

Approvals	EN 943-1:2002	European requirements for protective clothing for industrial applications
	EN 943-2:2002 (ET)	European requirements for protective clothing for fire brigades
	NFPA 1994:2007	US requirements for protective clothing for incidents involving warfare agents
	SOLAS II-2, Reg.19 ISO 16602:2007 ¹	Requirements for use on seagoing vessels International requirements for chemical protective suits
Temperatures ²	-30 °C to +60 °C	During use
	-20 °C to +25 °C	In storage
Weight	Approx. 3.0 kg	
	Approx. 3.5 kg	With Dräger Air-Connect

¹ CPS 5900 without Dräger Air-Connect is approved accord. to ISO 16602:2007

² Lower temperatures down to -60 °C are possible on short-term exposure. Observe operating temperatures of the respiratory protective equipment!

Ordering Information

Description		Order Code
CPS 5900 size S	Body height from 1,50 m to 1,65 m	R 57 781
CPS 5900 size M	Body height from 1,60 m to 1,75 m	R 57 782
CPS 5900 size L	Body height from 1,70 m to 1,85 m	R 57 783
CPS 5900 size XL	Body height from 1,80 m to 2,00 m	R 57 784
CPS 5900 size XXL	Body height from 1,95 m to 2,10 m	R 57 785
CPS 5900 PT size S	With connector for external air supply	R 57 984
CPS 5900 PT size M	With connector for external air supply	R 57 957
CPS 5900 PT size L	With connector for external air supply	R 57 958
CPS 5900 PT size XL	With connector for external air supply	R 57 959
CPS 5900 PT size XXL	With connector for external air supply	R 57 960
CPS 5900 Training	Training suit in all sizes available	on request

Notes

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