

Dräger CPS 6900 Gas-Tight Suit

If you are looking for protection against cryogenic hazardous substances and low concentrations of acids and alkalis then the Dräger CPS 6900 chemical protective suit is the right choice. The new and innovative suit design is both flexible and comfortable.

Manometer mount for attaching a manometer or Bodyguard in the field of view of the wearer.

The length adjustment can be used to adapt the suit to individual body heights.

The D-Connect serves to attach e.g. measuring devices and can also be used for crash rescue.

- The PT 120 L control valve is an adjustable ventilation unit for cooling the suit interior.
- The Air-Connect is a connection to external breathing air supply.

The patented Dräger glove joint allows gloves to be changed quickly and without tools.



D-D-90414-2013

- Integrated safety boots make donning easier.
- Alternatively, gas-tight socks offer flexibility in the choice of boots.

Benefits

Gas-tight suit

- SCBA worn inside the protective suit
 - five suit sizes (S-XXL)
 - side zipper for donning without assistance
 - suit material Umex, reusable
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Outstanding protection

With its internal breathing apparatus the gas-tight Dräger CPS 6900 protects against gaseous, aerosol-based, liquid and solid hazardous substances. The Umex suit material guarantees mechanical strength and provides maximum wearing comfort. The outstanding flexibility of the material makes the reusable suit ideal for handling cryogenic media and working in cold environments.

Perfectly adapted to your needs

The Dräger CPS 6900 is equipped with a radio pocket and an additional holder for push-to-talk buttons, which facilitate communication. Additionally, the suit has a gas-tight Polyurethane (PUR) closure system. Safety gloves and safety boots are also connected to the suit in a gas-tight manner and can be easily replaced. As an alternative to the securely attached safety boots, the suit can also be equipped with securely attached and gas-tight socks. The visor made of a special PVC can be combined with an anti-fog lens and anti-scratch visor. On request, a pressure gauge holder can be integrated below the visor which makes it easier for the wearer to check the settings of the pressure gauge. Optionally, the Dräger CPS 6900 can be equipped with the Dräger D-Connect to attach measuring instruments, tools or guide lines.

Never again gasping for a breath

The integrated regulation valve PT 120 L gives the Dräger CPS 6900 an optional ventilation system for easy connection to various air sources. This allows the wearers to cool themselves down in order to reduce humidity in the suit. Moreover, the system can be connected to an external air source to supply the wearer with additional breathing air.

Snug, flexible and comfortable

The Dräger CPS 6900 ensures wearing comfort, even during difficult work in hazardous areas. The CPS 6900 provides maximum freedom of movement with its innovative ergonomic cut in five different suit sizes. In addition, the light and soft suit material adapts perfectly to your movements and offers outstanding flexibility. The optional height adjustment provides you with even more wearing comfort and an individual fit.

Benefits

Always ready for use with low service expenses

Regular inspection expenses have been considerably reduced by the new service concept. Any repairs and maintenance work can of course be carried out by Dräger – but equally, be independently performed by your own service personnel. The suit can be easily cleaned and disinfected over its service life of up to ten years.

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.

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.

System Components



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.



ST-525-2006

Dräger PAS® AirPack 2

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 2.

Accessories



D-4802-2010

Dräger Regulation Valve PT 120 L

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

Accessories



D-4663-2010

Air-Connect

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



2-321-95

PVC boots

Safety boots made from PVC with steel toecap and steel sole in sizes 43 to 48.



ST-6185-2006

Gas-tight gloves

Made from butyl (IIR), fluoroelastomer (FKM), or FKM-IIR, in sizes 9 to 11.



D-4904-2010

Laminate + Tricotril combination

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

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.



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-80754-2013

Dräger CPS 6800

If you are looking for protection against cryogenic hazardous substances and low concentrations of acids and alkalis then the Dräger CPS 6800 chemical protective suit is the right choice. The new and innovative suit design is more flexible and allows you to comfortably enter confined spaces.



ST-618-2008

Dräger WorkMaster Industry

Particularly resistant against alkaline solutions and acids. The chemical protection suit WorkMaster Industry provides reliable protection during tank and boiler cleaning, during maintenance and repair work in narrow spaces or refineries, during chemical transports, cleanup operations and many other dangerous types of work.

Technical Data

Approvals	PPE Regulation (EU) 2016/425	Requirements for Personal Protective Equipment
	EN 943-1	EU requirements for gas-tight protection suits for industrial applications
	EN 1073-1	Protection against contamination from radioactive particles
	EN ISO 13688	Protective Equipment - general requirements
	EN 14126	Protection against contamination by pathogens
	EN 14593-1	Supplied by an air line breathing apparatus with lung demand valve
	EN 14594	Supplied by an air line breathing apparatus with constant air flow
	ISO 16602	International requirements for chemical protective suits
Temperature	SOLAS	Requirements for the use on deep-sea vessels
	- 40 °C to + 60 °C in use	in use (for short-term exposure up to - 80 °C)
Weight	- 5 °C to 25 °C in storage	in storage
	Suit with securely attached boots	approx. 6.8 kg without accessories
	Suit with securely attached socks	approx. 4.3 kg without accessories
	Suit with securely attached boots	approx. 8.0 kg with accessories
	Suit with securely attached socks	approx. 5.5 kg with accessories

CHEMICAL TESTS

Chemical	Permeation time (min) ¹⁾	Chemical	Permeation time (min) ¹⁾
Ammonia	> 480	Caustic soda (40 %)	> 480
Chlorine	> 480	n-heptane	> 480

For further resistance values, go to www.draeger.com/voice

¹⁾ Time according to DIN EN ISO 6529:2003-01 up to permeation speed of 1.0 µg/cm²/min

Ordering Information

Dräger CPS 6900	Red (Umex material)	R 29 410
Sizes	S: heights between 1.50 m to 1.65 m M: heights between 1.60 m to 1.75 m L: heights between 1.70 m to 1.85 m XL: heights between 1.80 m to 2.00 m XXL: heights between 1.95 m to 2.10 m	Required components
Integrated boots or socks	Safety boots: sizes 43 to 50 Gas-tight socks in three sizes: 40 to 50	Required components
Gloves	Butyl glove (IIR): sizes 9 - 11 Fluoroelastomer glove (FKM): sizes 9 - 11 Fluoroelastomer-Butyl glove (FKM-IIR): sizes 9 - 11 Laminate + Triotril glove combination: sizes 10 + 11	Required components

Ordering Information

	Laminate + Butyl glove combination: sizes 9 - 11	
Glove accessories	Cotton gloves Gas-tight cuff Cut-resistant over-gloves Tricotril® or K-MEX®	Additional components
Clear view	Anti-fog visor	Additional components
External air supply	Regulation valve PT 120 L Air-Connect	Additional components
Attachment option	D-Connect on right and/or left hip	Additional components
Easier pressure monitoring	Pressure gauge holder	Additional components
Individually adjustable	Height adjustment	Additional components
Storage and transport	CPS storage and transportation bag Storage box	Additional components
Customised printing	On sleeve, rucksack, breast and /or thigh in different colours	Additional components

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

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