

## 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-90044-2013

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

## Benefits

---

### 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 a cover lens. On request, a holder can be integrated below the visor which makes it easier for the wearer to check the settings of the manometer. Optionally, the Dräger CPS 6900 can be equipped with D-Connect to attach measuring instruments, tools or guide lines.

---

### Never again gasping for a breath

The integrated PT 120 L control valve 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 guarantees 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 individually adjustable length provides the user with even more wearing comfort and ensures a better fit.

---

### 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-39680-2011



### Dräger PAS® Lite

For use in industrial applications where a simple, robust and easy to use breathing apparatus is required, the Dräger PAS® Lite Self-Contained Breathing Apparatus (SCBA) combines reliability with comfort and performance.

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.

ST-3960-2003



### 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-529-2006



### 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

---

### Regulation Valve PT 120 L

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



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 Viton® or Viton®/Butyl, in sizes 9 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-90754-2013



### 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	EN 943-1:2002	EU requirements for gas-tight protection suits for industrial applications
	EN 1073-1:1998 / EN 1073-2:2002	Protection against contamination from radioactive particles
	EN 14126:2003	Protection against contamination from infectious agents
	EN 14593-1:2005	Supplied by an air line breathing apparatus with lung demand valve
	ISO 16602:2007	International requirements for chemical protective suits
	SOLAS	Requirements for the use on deep-sea vessels
Temperature	- 40 °C to + 60 °C in use	in use (for short-term exposure up to - 80 °C)
	- 5 °C to 25 °C in storage	in storage
Weight	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) <sup>1)</sup>	Chemical	Permeation time (min) <sup>1)</sup>
Ammonia	> 480	Caustic soda (40 %)	> 480
Chlorine	> 480	n-heptane	> 480

For further resistance values, go to [www.draeger.com/voice](http://www.draeger.com/voice)

<sup>1)</sup> Time according to DIN EN ISO 6529:2003-01 up to permeation speed of 1.0 µg/cm<sup>3</sup>/min

## Ordering Information

Dräger CPS 6900	Red (Umex material)	R 29 410
Sizes	Size S for heights between 1.50 m and 1.65 m Size M for heights between 1.60 m and 1.75 m Size L for heights between 1.70 m and 1.85 m Size XL for heights between 1.80 m and 2.00 m Size XXL for heights between 1.95 m and 2.10 m	Required components
Integrated boots or socks	Safety boots in sizes 43 to 50 Gas-tight socks in three sizes from 40 to 50	Required components
Gloves	Butyl gloves in sizes 9 to 11 Viton <sup>®</sup> gloves in sizes 9 to 11 Viton <sup>®</sup> / Butyl gloves in sizes 9 to 11 Foil gloves with Tricotril <sup>®</sup> overgloves in sizes 10 and 11	Required components
Glove accessories	Cotton gloves	Additional components

## Ordering Information

	Gas-tight sleeve	
	Cut-resistant over-gloves Tricotril® or K-MEX®	
Clear view	Anti-fog visor	Additional components
External air supply	PT 120 L control valve	Additional components
	Air-Connect	
Attachment option	D-Connect on right and/or left hip	Additional components
Easier pressure monitoring	Manometer mount	Additional components
Individually adjustable	Length adjustment	Additional components
Storage and transport	CPS storage and carry bag	Additional components
	Storage box	
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.

Viton® is a registered trademark of DuPont

Tricotril® is a registered trademark of KCL GmbH

K-MEX® is a registered trademark of KCL GmbH

## Notes

### **CORPORATE HEADQUARTERS**

Drägerwerk AG & Co. KGaA  
Moislinger Allee 53–55  
23558 Lübeck, Germany  
[www.draeger.com](http://www.draeger.com)

### **REGION EUROPE CENTRAL AND EUROPE NORTH**

Dräger Safety AG & Co. KGaA  
Revalstraße 1  
23560 Lübeck, Germany  
Tel +49 451 882 0  
Fax +49 451 882 2080  
[info@draeger.com](mailto:info@draeger.com)

### **REGION EUROPE SOUTH**

Dräger Safety France SAS  
25, rue Georges Besse  
92182 Antony Cedex  
Tel +33 1 46 11 56 00  
Fax +33 1 40 96 97 20  
[europe.south@draeger.com](mailto:europe.south@draeger.com)

### **REGION MIDDLE EAST, AFRICA**

Dräger Safety AG & Co. KGaA  
Branch Office  
P.O. Box 505108  
Dubai, United Arab Emirates  
Tel +971 4 4294 600  
Fax +971 4 4294 699  
[contactuae@draeger.com](mailto:contactuae@draeger.com)

### **REGION ASIA PACIFIC**

Draeger Safety Asia Pte Ltd  
25 International Business Park  
#04-20/21 German Centre  
Singapore 609916  
Tel +65 6308 9400  
Fax +65 6308 9401  
[asia.pacific@draeger.com](mailto:asia.pacific@draeger.com)

### **REGION CENTRAL AND SOUTH AMERICA**

Dräger Panama S. de R.L.  
Complejo Business Park,  
V tower, 10th floor  
Panama City  
Tel +507 377 9100  
Fax +507 377 9130  
[contactcsa@draeger.com](mailto:contactcsa@draeger.com)

Locate your Regional  
Sales Representative at:  
[www.draeger.com/contact](http://www.draeger.com/contact)

