



## Benefits

---

### **D-Mex™: 5x protection**

The new suit material D-mex™ features unique properties. It is chemical-resistant, flame retarding, self-extinguishing, anti-static, remains flexible even in contact with cryogenic substances and is resistant to severe mechanical stress. It offers outstanding protection against industrial chemicals, biological and chemical warfare agents, radioactive particles and other hazardous substances.

---

### **Comprehensive approvals - an extra class of protection**

Thanks to the innovative material D-mex™, the chemical protection suit meets and even partially exceeds the requirements of the international safety standards and norms for reusable suit protection. These include, amongst others, EN 943 parts 1 and 2 (ET), EN 1073-2, EN 14126 as well as the British CBRN Standard BS 8467. The suit also meets the requirements of CBRN CWA 1606, which recommends the suitable personal protective equipment for task forces during CBRN events.

---

### **Exceptional wearing comfort**

The protective suit Dräger CPS 7900 reduces the burden during the already difficult work in hazardous areas. With its new, ergonomic cut and the five available suit sizes, it offers wearers ranging from 1.50 m to 2.10 m in height the greatest freedom of movement to conduct their activities. In addition, the markedly lighter and malleable suit material adapts to the movements and offers full flexibility.

---

### **Innovative details from head to toe**

The new design of the visor offers an almost natural field of vision with the Dräger FPS 7000 full face mask. The various glove combinations can be quickly attached to the suit without using tools. As an option, the protective suit can be equipped with integrated safety boots or gas-tight socks (in the suit material). An integrated communicative radio pocket and a mount for push-to-talk buttons ease communication.

---

### **Optimal solutions for deployment**

The chemical protective suit Dräger CPS 7900 can be customised for your special needs, thus expanding your deployment options. These include the pressure gauge holder, the height adjustment, the anti-fog visor and the D-Connect.

---

### **Never again gasping for a breath**

Breathing air is a scarce resource during hazardous deployments. The route from the point of operation and to the decontamination area must be bridged. The actual work has to be completed. Finally, a careful decontamination has to be conducted so that the task forces can take off their suits. The air supply of the breathing apparatus is often insufficient for this. For such cases, the suit can be equipped with optional Air-Connect or the regulation valve PT 120 L.

## Benefits

---

### Simple service

The regular inspection efforts can be significantly reduced thanks to the innovative materials and new service concepts. In addition, the suit can be easily cleaned and disinfected automatically. This means that the efforts to keep the suit ready for use over its 15 year service life are significantly reduced.

## System Components



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.



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.

## System Components



D-398860-2011

### 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, as well as excellent service life and and easy maintenance.



ST-1547-2007

### Dräger PA94 Plus Basic

First choice of SCBA: The Dräger PA94 Plus is Dräger's most flexible and cost effective self contained compressed air breathing apparatus, which comes complete with the same air supply system as our top of the range firefighting equipment.



ST-389-2000

### Dräger PA91 plus Standard and PA91 plus Marine

Dräger PA91 plus Standard and PA91 plus Marine Advanced Breathing Apparatus for Industrial and Maritime Applications: The Dräger PAS® Standard and Marine are ideal for use when working in environments where fire and smoke, toxic gases or a lack of oxygen are present



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.



### Gas-tight socks

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



### Cotton gloves

Optional glove for hygienic wear under chemical protection gloves.



### Tricotril® over gloves

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

## Accessories



### K-MEX® Gigant over gloves

Additional cut resistance, available in size 14.



### New EN-glove combination

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



### Rubber ring

For fixing the over glove to the sleeve.



### Gas-tight sleeve

Encloses the wrist and protects the arm if a leak occurs in the glove.

## Accessories



D-4663-2010

### Air-Connect

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



D-4810-2010

### 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-4802-2010

### Regulation Valve PT 120 L

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

## Related Products



### 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.



### 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.



### 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 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.

## 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
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)**	> 1,440
Acetonitrile	> 540	Ethylene oxide	> 540	Sodium hydroxide 40%	> 540
Ammonia	> 540	Hydrogen chloride	> 540	Soman (GD)**	> 1,440
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)**	> 1,440	Toluene	> 540
Diethylamine	> 540	n-Heptane	> 540	VX**	> 1,440

Via the constantly updated Dräger VOICE database you can find out about chemical resistance and decontamination processes:  
[www.draeger.com/voice](http://www.draeger.com/voice)

\* 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 29 450
Colors	olive/beige
Standard print	Dräger logo in the chest area
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

## Ordering Information

	1.70 m to 1.85 m Size XL for body heights of 1.80 m to 2.00 m Size XXL for body heights of 1.95 m to 2.10 m	
Zipper	Closes at top or bottom Basic 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	CSA Storage and transport bag Storage box Electronic warehouse management transponder (basic component)	Accessories
Customized marking:	In different colors on back, chest, thighs, and sleeves	Accessories

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.

## Notes

## Notes

Not all products, features, or services are for sale in all countries.  
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to [www.draeger.com/trademarks](http://www.draeger.com/trademarks) to find the current status.

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

**REGION DACH**  
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**  
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 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**  
Dräger Singapore 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)

