

## Dräger CPS 6800 Chemical protective suit for industrial use

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.



### OUTSTANDING PROTECTION

With its external self-contained breathing apparatus the gas-tight Dräger CPS 6800 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 6800 is equipped with a radio pocket and has a gas-tight Polyurethane (PUR) closure system. Safety gloves and safety boots are 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. Alongside the integrated full face mask, the Dräger CPS 6800 also allows for the fitting of a flexible, gas-tight face cuff. This allows you to easily switch between full face masks for a single suit.

The integrated PT 120 L control valve gives the Dräger CPS 6800 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.

### SNUG, FLEXIBLE AND COMFORTABLE

The Dräger CPS 6800 guarantees wearing comfort, even during difficult work in hazardous areas. The CPS 6800 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. Optional individually adjustable braces provide the user with even more wearing comfort and ensure a better fit.



Dräger CPS 6800 with  
Dräger PAS AirPack I



Dräger CPS 6800 with flexible  
and gas-tight face cuff

D-90397-2013



The face cuff on the Dräger CPS 6800 offers flexibility when choosing the full face mask

D-90504-2013



Alternatively, the Dräger CPS 6800 is also available with a permanently integrated Dräger Panorama Nova full face mask. The optimized hood design increases comfort when wearing a helmet.

D-90360-2013



The optional braces significantly increase wearing comfort.

D-90754-2013



D-90411-2013



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

D-90464-2013



Integrated safety boots make donning easier.

D-90383-2013



Alternatively, gas-tight socks offer flexibility in the choice of boots.

D-4802-2010



The RV PT 120 L is an adjustable ventilation unit for cooling the suit interior.

## 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.

## TECHNICAL DATA

Approvals	EN 943-1:2002 EN 1073-1:1998 / EN 1073-2:2002 EN 14126:2003 EN 14593-1:2005 EN 14594:2005 ISO 16602:2007 SOLAS	EU requirements for gas-tight protection suits for industrial applications Protection against contamination from radioactive particles Protection against contamination from infectious agents Supplied by an air line breathing apparatus with lung demand valve Supplied by an air line breathing apparatus with constant air flow International requirements for chemical protective suits Requirements for the use on deep-sea vessels
Temperature:	- 30 °C to + 60 °C - 5 °C to + 25 °C	in use (for short-term exposure up to - 80 °C) during storage
Weight:	With face cuff and socks With face cuff and boots With full face mask and socks With full face mask and boots	approx. 2.9 kg without accessories approx. 5.4 kg without accessories approx. 3.5 kg without accessories approx. 6 kg without 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>2</sup>/min

With optional accessories, the Dräger CPS 6800 can be further customised to meet your specific requirements and extend your deployment options even further.

ST-166-2007



### Automatic switch-over valve (ASV)

The automatic switch-over valve connects (short-term) self-contained breathing apparatus and compressed-air hose apparatus and automatically switches to the mobile compressed air cylinder if the external air supply fails.

ST-19204-2008



### K-MEX® Gigant overgloves

The cut-resistant K-MEX® Gigant overgloves provide outstanding protection when working with sharp objects.

D-86912-2013



### CPS storage and carry bag

A suit with face cuff can be stored in the provided CPS storage and carry bag for two years without service.

## ORDERING INFORMATION

Dräger CPS 6800	Red (Umex material)	R 29 460
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 1.95 m Size XXL for heights between 1.90 m and 2.05 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® / Butyl in sizes 9 to 11 Viton® gloves in sizes 9 to 11 Foil gloves with Tricotril® overgloves in sizes 10 and 11	Required components
Face connection	Face cuff (gas-tight) Integrated full face mask	Required components
Glove accessories	Cotton gloves Gas-tight sleeve Cut-resistant Tricotril® or K-MEX® overgloves	Additional components
Ventilation	Control valve PT 120 L	Additional components
Individually adjustable	Suspender	Additional components
Wearing comfort	Carry bag Storage and carry bag Storage box	Additional components
Customised printing	On the thigh, lower front arm or rear upper arm in various 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



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.