

# Dräger CPS 5800 Gas-Tight Suit

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.



#### Soft and flexible face cuff made from Butyl

- Can be worn under or on top of the mask
- High degree of wearing comfort on the head and face
- Simple donning and doffing without connected mask – still gas-tight

#### Zippers

- Zipper with external chain – downward direction of fastening: for simple donning and doffing
- Protected by double flap with continuous hook-and-loop fastener

#### Permanently attached glove combination

- Increased chemical protection: laminate gloves (inside) and butyl gloves (outside)

#### Dräger relief valve

- To let air out of the suit: simplifies access to confined spaces

#### Large opening for donning and doffing (diagonally across the front)

- No help of a second person required for donning

#### Integrated gas-tight socks

- Suitable for use with different boot sizes
- With splash protection cover that prevents fluids from running into the boots

D-130088-2010

## Benefits

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### Gas-tight suit

- SCBA worn over the protective suit
  - four suit sizes (M-XXL)
  - diagonal zipper for donning without assistance
  - suit material Zytron® 500, limited use
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### Comprehensive protection

For emergencies or for routine work such as maintenance, repairs and tank cleaning – appropriate protection is always required.

With its external self-contained breathing apparatus the gas-tight Dräger CPS 5800 (type 1b) protects against a multitude of substances. The suit meets the highest international requirements of industry, fire departments and shipping. Therefore it fulfills EN 943-1+2:2002, and the SOLAS requirements, so that it is approved for the use on board ships. As a limited-use protective suit its resistance against mechanical influences and flames is not as high as the one from the reusable Dräger CPS 7800.

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### Comfortable to wear

With the proven Dräger design, this suit is very comfortable to wear and is equipped with the flexible Dräger face cuff. The suit is made of Zytron® 500, a very soft laminate material. All seams are welded in- and outside. This high quality material and the manufacturing techniques provide a long service life of up to ten years.

Zytron® is a registered trademark of Kappler® Inc.

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### Features

- large opening for donning / doffing (diagonally across the front); with no additional assistance required
- zipper with external chain and a downward direction of fastening
- double flap with continuous hook-and-loop fastener protects zip fastener
- soft Dräger face cuff
- 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
- Dräger pressure relief valve for discharging air from the suit

## 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 easy maintenance.



D-595692-2012

### Dräger HPS® 7000

The multipurpose 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-28805-2015

### Dräger FPS®-COM 7000

The Dräger FPS®-COM 7000 provides hands-free communication for all wearers of respiratory protection devices during a mission. Excellent voice quality is achieved by removing interfering noises.



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.



### Over gloves K-MEX® Gigant

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



### Cotton gloves

Optional glove for hygienic wear under chemical protection gloves.



### Grease pen

For zip maintenance.

## Accessories



D-5986-2018

### "Klar-Pilot" fluid

Anti-fogging agent for suits without anti-fog disk

## 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.

## Related Products



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### Dräger CPS 5900

The Dräger CPS 5900 is the ideal limited-use, 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.

## 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
	SOLAS II-2, Reg. 19	Requirements for use on seagoing vessels
	ISO 16602:2007	International requirements for chemical protective suits
Temperature <sup>1</sup>	-30 °C to +60 °C <sup>2</sup>	in use
	-20 °C to +25 °C	in storage
Weight	2.2 kg	

<sup>1</sup> Observe operating temperatures of the respiratory protective equipment!

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

### CHEMICAL RESISTANCE

Chemical	Permeation time in min.*	Chemical	Permeation time in min.*	Chemical	Permeation time in min.*
Aceton	>480	Diethylamine	>480	Caustic soda 40 %	>480
Acetonitrile	>480	Ethyl acetate	>480	Sulfuric acid 96 %	>480
Ammonia	>480	Ethylene oxide	>480	Tetrachlorethylene	>480
1,3 Butadiene	>480	Hydrogen chloride	>480	Tetrahydrofuran	>480
Carbon disulphide	>480	Methanol	>480	Toluene	>480
Chlorine	>480	Methyl chloride	>480		
Dichloromethane	>480	n-heptane	>480		

Via the constantly updated VOICE database you can find out about chemical resistance and decontamination processes:

<http://www.draeger.com/voice>

\* Permeation times in accordance with EN 943-2:2002.

## Ordering Information

### Dräger CPS 5800

Sizes	Size M for body heights from 1.60 m and 1.75 m	R 57 787
	Size L for body heights from 1.70 m to 1.85 m	R 57 788
	Size XL for body heights from 1.80 m to 1.90 m	R 57 789
	Size XXL for body heights from 1.85 m to 2.00 m	R 57 790

K-MEX® is a registered trademark of Kächele-Cama Latex GmbH

## 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.

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