Dräger CPS 5900
Gas-Tight Suit

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.

- Flexible and foldable two-layer visor offers almost natural field of vision
- Backpack offers optimal comfort for carrying the interior compressed air breathing apparatus
- Integrated waist belt for improved fit and high wearing comfort
- Wide front entry for easy donning and doffing
- Zipper fastener with double flap zipper protection
- Integrated gas-tight socks for use with multiple boot sizes, with boot flaps

Dräger. Technology for Life®
Benefits

Gas-tight suit

- SCBA worn inside the protective suit
- five suit sizes (S-XXL)
- side zipper
- suit material Zytron® 500, limited use

The right level of protection

The CPS 5900 provides excellent protection against a broad range of industrial chemicals as well as warfare agents. Specifically designed for low risk operations, it can be used in a variety of applications such as when taking measurements or transferring hazardous substances in non-explosive atmospheres. As the first chemical protective suit to be approved to NFPA 1994, class2 and EN 943 part 1&2 (ET), the CPS 5900 also complies with the requirements of the SOLAS convention. As a result, it fulfils the most demanding international standards of fire fighters and industrial users for limited use, gas-tight protective suits. Where the potential risks might include mechanical stress and flash fire, the heavy duty Dräger CPS 7900 protective suit should be worn.

Offering even more comfort

Featuring the new Dräger cut, the Dräger CPS 5900 offers improved ergonomics and optimized compatibility with various types of personal protective equipment including the latest breathing apparatus, helmets and other forms of PPE. It can also be worn with twin cylinders or closed circuit breathing apparatus. Available in five sizes, the suit is designed to fit both male and female users from 4’ 11” to 6’ 11” in height. Made of Zytron® 500, the softest laminate material on the market, each seam has been sewn and then hot-air taped internally and externally. The material and production quality allow for a ten-year shelf life.

Zytron® is a registered trademark of Kappler Inc.

Meeting your needs:

- Fully encapsulating suit for maximum space protection
- Wide front entry on left side for easy donning & doffing
- Zipper fastener (bottom up)
- Double flap zipper protection
- Flexible and foldable two-layer visor offers almost natural field of vision
- 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
- Kevlar over-glove for additional cut protection
- Integrated waist belt for size adjustment
- Optional with connector for external air supply to extend decontamination phase
System Components

**Dräger PSS® 7000**

Developed by professionals for professionals, the Dräger PSS® 7000 breathing apparatus is a major milestone in our continuing development of breathing devices for the professional firefighter.

**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.

**Dräger FPS®-COM 5000**

Because there is no time for misunderstandings in an emergency: The Dräger FPS®-COM 5000 communication unit has been specifically developed for the full-face mask Dräger FPS® 7000 and ensures clear communication through a voice amplifier unit or radio device – even under extreme conditions.

**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.

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**Grease pen**

For zip maintenance.

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**Cotton gloves**

Optional glove for hygienic wear under chemical protection gloves.

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**"Klar-Pilot" fluid**

Anti-fogging agent for suits without anti-fog disk
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 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.

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 7900 olive, beige
Tailor-made for use in CBRN hazard situations: The gas-tight Dräger CPS 7900 provides excellent protection against industrial chemicals, biological agents, and other hazardous substances. Its innovative material qualifies the CPS 7900 equally well for civil emergency and disaster recovery missions as well as decontamination work.
## Technical Data

### Approvals
- NFPA 1994
- EN 943-2
- EN 943-1
- SOLAS II-2, Reg.19
- ISO 16602

### Temperatures
- During use: -22 °F to 140 °F (-30 °C to +60 °C)
- In storage: -4 °F to 77 °F (-20 °C to +25 °C)

### Weight
- Approx. 6.6 lbs. (3.0 kg)
- Approx. 7.7 lbs. (3.5 kg)

### Chemical tests

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Breakthrough time in min*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aceton</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Acetonitrile</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Ammonia</td>
<td>&gt;480</td>
</tr>
<tr>
<td>1,3 Butadiene</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Carbon disulfide</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Chlorine</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Dichloromethylene</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Diethylamine</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Ethylene oxide</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Hydrogen chloride</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Lewisite (L)</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Methanol</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Methyl Chloride</td>
<td>&gt;480</td>
</tr>
<tr>
<td>Mustard gas (HD)</td>
<td>&gt;480</td>
</tr>
<tr>
<td>n-heptane</td>
<td>&gt;480</td>
</tr>
</tbody>
</table>

* Breakthrough time according to EN 943-2:2002

### Ordering Information

<table>
<thead>
<tr>
<th>Suit sizes and measurements</th>
<th>CPS 5900</th>
<th>CPS 5900 PT*</th>
<th>CPS 5900 Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>S (150–165 cm / 59’’ to 65’’)</td>
<td>R 57 781</td>
<td>R 57 984</td>
<td>R 58 671</td>
</tr>
<tr>
<td>M (160–175 cm / 63’’ to 69’’)</td>
<td>R 57 782</td>
<td>R 57 957</td>
<td>R 58 672</td>
</tr>
<tr>
<td>L (170–185 cm / 67” to 73”)</td>
<td>R 57 783</td>
<td>R 57 958</td>
<td>R 58 673</td>
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<tr>
<td>XL (180–200 cm / 71” to 79”)</td>
<td>R 57 784</td>
<td>R 57 959</td>
<td>R 58 674</td>
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<tr>
<td>XXL (195–210 cm / 77” to 83”</td>
<td>R 57 785</td>
<td>R 57 960</td>
<td>R 58 675</td>
</tr>
</tbody>
</table>

* with connector for external air supply

1 CPS 5900 without Dräger Air-Connect is approved accord. to ISO 16602.

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

The continuously updated database Dräger VOICE is available to stay informed about chemical resistances: www.draeger.com/voice
Notes