Dräger SCBA solutions: The perfect fit for any department

NIOSH and NFPA approvals pending
The highest standard of firefighter protection available, whatever your needs
Firefighting is a dangerous occupation made all the more perilous by the unpredictability of each call. Every situation is new, every structure is different, and there are no timeouts or do-overs. In these hostile, unstable environments, what every first responder needs most is equipment that performs predictably every time.

With Dräger’s expanded SCBA portfolio, all fire departments—no matter how diverse their needs—are able to customize a solution to protect their personnel with the industry’s finest equipment.

Dräger SCBA solutions meet the world’s toughest standards, including those set by the NFPA and NIOSH. Versatile, reliable, durable, and comfortable, Dräger SCBAs can be scaled to meet the needs of any department, today and tomorrow.
Our expanding portfolio of SCBA solutions

The Dräger family of fire safety solutions

At Dräger, we believe that safety technology should make it possible for firefighters to do their jobs faster, more safely, and more effectively. That’s why we make equipment that’s lightweight and comfortable, so firefighters can cover more ground with less effort. We also make our equipment durable and easy to maintain, because we fully understand the brutally harsh environments that accompany the job.

So, whatever your equipment needs, our carrying, monitoring, and communications systems have the technology to protect firefighters’ lives, while they protect the lives of others.
Dräger Carrying Systems

Our SCBAs are designed with a lower center of gravity to increase stability and balance, allowing firefighters to work more effectively with less fatigue.

**Durable materials that can stand the heat—and the test of time**

The Dräger PSS 5000 and PSS 7000 are NFPA-compliant (1981: 2013) carrying systems. Both are ideally suited for extended wear and frequent use. Key features common to both systems include:

- Aramid-blend webbing for long-lasting wear
- Advanced compression-molded comfort padding delivers outstanding high-temperature performance and wear-resistance
- Vulcanized chloroprene rubber provides a high-grip, anti-slide outer surface to keep the harness securely in position
- Cooling channels in shoulder and waist pads reduce the likelihood of compression burns
- Stainless-steel harness-friction buckle allows firefighters to quickly don and doff the SCBA
- Slide-and-lock harness mechanism allows the harness and waist pad to be connected or removed from the backplate quickly, without tools
- First-stage reducer snap-fit connection allows pneumatics to be fitted or removed quickly and easily
- Closed, single-piece harness and waist pad prevents excessive water absorption, reducing cleaning and drying time
- Integrated supply hoses fit neatly into the backplate, minimizing the risk of snagging and damage
Dräger PSS™ 5000

Ergonomically designed for safe, comfortable performance

Dräger PSS™ 7000

For an additional level of comfort and customization in the harshest environments

Bi-lateral routing option
Bi-lateral routing of the LDV, gauge, and rescue hoses over either shoulder provides a streamlined, customized fit.

Pivoting waist belt
Ensures maximum mobility, even in the tightest spaces.

Reflective, luminescent shoulder straps
Reduce potential snag points and enhance the user’s ability to be seen in the darkest situations.

3-point height-adjustable backplate
Allows the SCBA to be customized to fit each firefighter.

Pivoting and sliding waist belt
Enables the SCBA to remain firmly in position, regardless of firefighter movement.
Dräger Monitoring Systems

Dräger has combined two decades of manufacturing experience in personal electronic monitoring with in-depth firefighter consultations to develop its Sentinel electronic monitoring systems. The result is a complete line of fully integrated, personal alert safety systems (PASS) that can be customized to satisfy the needs of any department. Housed in impact-resistant, waterproof (IP-67 rated) casing, these monitoring systems demonstrated excellent repeatability and reliability in laboratory and field testing.

Each Dräger SCBA can be outfitted with a monitoring system that features:

- A PASS device
- Visual and audible warnings and alarms
- A streamlined design that reduces snag points
- Intuitive push-button operation for ease of use
- Configurable settings to suit individual preferences
- Data logging for improved post-incident analysis

Dräger Sentinel™ 1500

Modular design enhances firefighter safety

The Dräger Sentinel 1500 is a fully integrated, electronic signal and warning unit that meets all NFPA requirements (1982: 2013) and features a wireless HUD and PASS device. Its modular design simplifies future upgrades and allows users to position the PASS device at either the waist or shoulder, based on their preference. The Sentinel 1500 also helps increase firefighter safety by:

- Sending a wakeup signal to the paired PASS device and HUD when the cylinder is opened, ensuring the system is ready before firefighters enter a hazardous zone
- Alerting the user when ambient temperatures reach a critical level, thanks to a configurable thermal alarm
- Drawing attention to a firefighter in distress by generating distinctive visual and audible alert signals
- Reducing the need for additional cables or wires, which can create snagging hazards
Dräger Sentinel™ 7000

Real-time monitoring of key indicators
First introduced in 2007, the proven design of the Sentinel 7000 meets 2013 NFPA requirements (1982: 2013). Incorporating a centralized power supply and pressure sensor module within the backplate, this robust system combines maximum component protection with balanced weight distribution, resulting in less stress to the user. The Sentinel 7000 features an electronic gauge for real-time monitoring of essential information, including:
- Accurate, continuously updated display of pressure and time to EOSTI activation
- Digital and analog display of cylinder pressure
- Battery status display
- 360° visual and audible alarms
- Automatic self-tests and system tests
- Enhanced data logging with personal ID

Standard Pneumatic System

A lightweight, easily upgradable SCBA
Available for the first time in North America is a fire-service-quality SCBA that does not contain electronic signaling and warning units. This configuration allows users to experience the lightest SCBA imaginable while also reaping the benefits of a Dräger carrying system, both of which are compliant with NFPA requirements (1981: 2013*). This system is an ideal choice for civil defense workers, hazmat operators, and price-conscious users. As an option, responders can add the Sentinel 1000—a standalone, manually activated PASS device that offers:
- Visual and audible warnings and alarms
- Intuitive push-button operation
- Configurable settings, including thermal alarm, to suit individual preferences
- Data logging for improved post-incident analysis

Users of the standard pneumatic system can easily upgrade from their NIOSH-approved Dräger SCBA to a Sentinel 1500 NFPA-approved system (1981/82: 2013) by purchasing an easy-to-install upgrade kit.

*An SCBA purchased with this configuration carries the NIOSH approval only.
Delivering **optimal** visual and communications clarity

**Dräger FPS® 7000 Full Face Mask**

The centerpiece of Dräger communications systems is the FPS 7000 Full Face Mask, which delivers the largest unobstructed field of view in the industry. Other features of this mask include:

- A polycarbonate visor with a tough anti-scratch coating for distortion-free vision
- A one-way valve that distributes air evenly over the visor to prevent fogging and cross-contamination in the lung demand valve
- A mechanical speech diaphragm providing sound clarity that exceeds stringent NFPA requirements (1981: 2013)

The mask body is made of durable EPDM rubber that combines an excellent facial seal with outstanding comfort. Other unique factors contributing to the optimal fit of the FPS 7000 include:

- Triple-sealing edges that follow facial contours
- Three sizes (including face mask and inner mask) to fit everyone in your department
- Quick-donning head harness that conforms to the shape of the head for excellent comfort and fit

**Dräger HUD system delivers key indicators**

Positioned inside the FPS 7000 Full Face Mask for maximum protection and performance, the Heads Up Display (HUD) provides cylinder content information and monitoring system alert warnings, as well as buddy lights that allow others to read the HUD in an RIT situation. Waterproof (IP-67 rated), wireless, robust, and reliable, the HUD can be installed in seconds.
Dräger FPS-COM-ADVANCED

Clear communications under the most extreme conditions

Developed for use with the FPS 7000 Full Face Mask, the FPS-COM-ADVANCED is a fully integrated communication system that meets NFPA requirements (1981: 2013) for voice amplification, offering clear speech transmission to the surrounding environment, no matter how extreme the conditions. This system uses innovative applied digital noise-reduction technology to eliminate normal breathing sounds and ambient noises for enhanced message clarity.

Other features of the FPS-COM-ADVANCED include:

- Automatic shutoff after 10 minutes when no breathing sounds are heard; this helps extend battery life, lower maintenance costs, and ensure the equipment is ready when needed
- A click-lock system that allows for easy attachment and removal
- A waterproof design that allows the face mask to be cleaned without removing the unit (the FPS-COM-ADVANCED is IP67-rated against water and humidity)
- Compatible connections to various communication radios and lapel microphones/push-to-talk units

Two more options for enhanced communications

C-C500 lapel microphone/loudspeaker unit
Combining a state-of-the-art, integrated microphone and speaker that can be used independently of the FPS-COM-ADVANCED, the C-C500 also features:

- Two large push-to-talk buttons that enable secure voice transmission, even if the C-C500 is operated via the equipment or worn under protective clothing
- A sturdy, quick-connect socket that enables the C-C500 to integrate a range of standard radio devices with the FPS-COM-ADVANCED

C-C400 push-to-talk unit
The C-C400 is a simple push-to-talk button that connects the FPS-COM-ADVANCED to a range of standard radio devices while offering the following benefits:

- Secure voice transmission in any situation, even if the C-C400 is operated via the equipment or worn under protective clothing
- A slim design that prevents accidental use and enables direct adaptation on the radio device
- The option for extra-sensitive operation with an additional "mushroom head" that works under chemical protection suits
Dräger Carbon Composite Cylinders

Manufactured by Cobham, Dräger’s range of robust cylinders are made of proven aircraft-grade materials and fabricated by processes that far exceed industry norms. Easily used in situations where breathing becomes difficult or impossible, Dräger cylinders also provide a number of added performance and safety benefits, including extended durability, superior chemical and corrosion resistance, increased strength, and superior flame resistance—all while maintaining their low weight.

Dräger cylinders can be customized to meet your department’s specific requirements:

- Three capacity options
  - 30 minutes
  - 45 minutes
  - 60 minutes

- Two pressure options
  - 4500 PSI
  - 2216 PSI (30 minutes only)

- Three color options
  - Carbon wrap with clear coat
  - Dräger blue (4500 PSI only)
  - Yellow (2216 PSI only)

- Two valve options
  - Standard cylinder valve
  - Locking cylinder valve

- Custom color and logo options also available

Proof of superior quality
Cobham cylinders have never been the subject of a DOT recall.
Dräger SCBA system options

Dräger offers a myriad of system options that allow you to build a custom solution for your department. Dräger equipment is designed to require less maintenance than other products and offer excellent value with lower ownership costs over time.

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>PSS 5000 Standard</th>
<th>PSS 7000 Standard</th>
<th>PSS 5000/ Sentinel 1500</th>
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*Approvals pending.
Configure your ideal Dräger solution

Build a custom Dräger solution for your department

To use this configurator, enter the identification (ID) code that corresponds to each component in the empty boxes below. This will yield your unique Dräger part number. Fax this completed sheet to 412-787-2207, or e-mail it to info@draeger.com for a price quote and/or product demonstration. If you would prefer to configure your SCBA online, please visit us at www.draeger.com/PSSseries.

<table>
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<tr>
<th>Carrying System</th>
<th>Monitoring System</th>
<th>Cylinder**</th>
<th>Cylinder Attachment</th>
<th>Buddy Breather</th>
<th>Face Mask**</th>
<th>Hairnet</th>
<th>Integrated Comms</th>
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<td>N1 Sentinel 1000*</td>
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<td>1 40&quot; BB w/Pouch</td>
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<td>1 FPS-COM-ADVANCED: Voice Amp</td>
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<td>Sentinel 1500</td>
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**Configured Part Number:** Enter the identification codes that correspond to your choice

* Selection of "None" or "Sentinel 1000" as your monitoring system results in an SCBA that only carries the NIOSH approval.

** Spare/additional cylinders and face masks can be ordered separately.
Dräger offers a complete fire safety portfolio

Other Dräger Fire Safety Solutions

While Dräger is the world’s largest manufacturer of SCBA systems, we also understand your department has needs that go beyond SCBAs. That’s why we provide a wide spectrum of offerings that work together as a total solution to protect firefighters on the job. For example:

– **Dräger thermal imaging cameras** enable firefighters to quickly locate the seat of fires, hidden spots, and fire victims

– **Dräger gas detection monitors** provide critical information on air quality and potentially explosive situations

– **Dräger maintenance systems** help firefighters test SCBAs to ensure proper functioning

– **Dräger training systems** help teams learn how to use their equipment in a controlled emergency environment

All Dräger equipment is designed to require less maintenance than other products, while offering excellent value and lower total cost of ownership over time. For more information on these and other Dräger safety products, please visit www.draeger.com.