

## Dräger PSS® 7000 NFPA-Certified SCBA

Before you can protect the lives of others, you have to protect yourself. The Dräger PSS® 7000 self-contained breathing apparatus (SCBA) provides unmatched comfort, durability, and safety in the harshest environments. With unparalleled ergonomic performance, the PSS® 7000 combines trusted pneumatics, flexible fit, and cylinder Quick Connection, freeing the firefighter to concentrate on the task at hand.



## Benefits

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### **Built to satisfy the most rigorous demands**

Based on feedback from firefighters throughout North America, the Dräger PSS 7000 SCBA with the Sentinel 7000 monitoring system satisfies the most rigorous demands of today's complex fire grounds. First responders. Backed by a 15-year, bumper-to-bumper warranty, the Dräger PSS 7000 distinguishes itself from other SCBAs in the marketplace with ergonomic performance, clean-ability, and toughness.

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### **Innovative harness system provides unmatched comfort and durability**

The Dräger PSS 7000 SCBA is designed so the heaviest components sit at a lower center of gravity to increase stability and balance, allowing the wearer to work more effectively with less fatigue. The PSS 7000 includes an adjustable harness suspension system that provides the ultimate in comfort and extended wear. Durable webbing and advanced compression-molded comfort padding offer up to 6.5-times higher abrasion resistance than traditional padding. The material surface is easy to clean and disinfect with a high resistance to chemical and mechanical damage.

The harness has a high-grip, anti-slip inner surface that stays securely in place without a chest strap or having to over-tighten the shoulder straps. Cooling channels in the shoulder straps and waist belt reduce the likelihood of compression burns. A stainless-steel, harness-friction buckle makes the SCBA easy to don and doff.

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### **Ergonomic three-position backplate allows freedom of movement**

The Dräger PSS 7000 is designed to move with the wearer allowing unrestricted movement while walking, crawling, or climbing. The backplate automatically lengthens and pivots to mirror wearer movements. The unique, self-adjusting and pivoting waist belt keeps the SCBA on the hips when a firefighter reaches, preventing your coat from riding up.

To reduce back strain, the SCBA's weight is designed to ride on the hips. The three-position, carbon-fiber composite backplate adjusts to comfortably fit different torso lengths.

A slide-and-lock harness mechanism allows the harness and waist belt to be connected or removed from the backplate quickly without tools. To minimize the risk of snagging or damage, supply hoses are integrated neatly into the backplate.

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### **Rapid, secure cylinder change-outs save precious time**

The PSS 7000 has a lock-and-load system that lets colleagues securely change out cylinders quickly. A proven, quarter-turn QuickConnect adapter allows quick and easy attachment of the cylinder to the reducer, saving time compared to conventional threaded reducer hand-wheel-and-cylinder CGA connections. QuickConnect features a safety interlock system that prevents disconnection at pressures above approximately 70 psi.

## Benefits

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### Dräger Sentinel 7000—Real-time monitoring

The Sentinel 7000 electronic monitoring system provides options to satisfy the needs of any fire department. Incorporating a centralized power supply and pressure sensor module within the backplate, the robust system combines maximum component protection with balanced weight distribution for reduced physical stress.

Housed in impact-resistant, water-resistant casings, the Sentinel 7000 demonstrates excellent reliability on the fire ground.

An electronic gauge provides real-time monitoring of essential information, including:

- A personal alert safety system (PASS) device
- Intuitive push-button operation for ease of use
- Configurable settings to suit individual preferences
- Data logging for improved post-incident analysis
- Accurate, continuously updated digital display of pressure and time to EOSTI activation (time based on dynamic breathing rate)
- Battery status display
- 360° visual and audible alarms triggered when the PASS is activated
- Automatic self-tests and system tests

## System Components

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### Carbon Composite Cylinders

Made of proven aircraft-grade materials and fabricated by processes that far exceed industry norms, Dräger's line of robust cylinders offer a choice of capacity and pressure. Dräger also offers several colors along with the ability to customize each cylinder with the logo of a fire department or jurisdiction.

## System Components



D-1184-2015

### Cylinder Quick-Connect

Allowing for quick and easy attachment of the cylinder to the backplate, the QuickConnect allows a firefighter to re-enter a fire much faster than with a conventional threaded connection.



D-31385-2011.tif

### CGA Cylinder Connection

A compressed gas association (CGA) fitting is the standardized system for attaching the compressed gas cylinder to the regulator.



ST-9907-2006

### Dräger FPS® 7000 Head-up Display

One of the many benefits of the FPS® 7000 full-face mask is the head-up display (HUD) required by NFPA 1981. Always within the field of view the head-up display allows easy monitoring of the cylinder contents and battery status without any manual action by the wearer.



D-1756-2019

### Dräger FPS® 7000

The Dräger FPS® 7000 full-face mask sets the standard in safety, visibility, and comfort. Triple-sealing, the FPS 7000 comes in nine sizes and three shapes of the inner mask to ensure maximum protection by adapting to different head and face shapes.

## Services



D-19071-2016

### Dräger Service

With Dräger's service solutions, you get complete peace of mind and budget security knowing that your safety equipment is supported by the same team of experts that engineered it and is backed by more than 125 years of experience. You can rely on Dräger to keep the devices you depend on operating at peak performance and to always put the safety of your team first. That's the Dräger Service Advantage.

## Related Products



D-998-2015

### Dräger PSS® 5000

Effective firefighting requires trusted breathing protection in the harshest environments. The Dräger PSS® 5000 provides the budget-conscious fire department with an ergonomically advanced SCBA. With a wide range of features – such as bi-lateral hose routing and cylinder Quick Connection – the PSS® 5000 meets the needs for today's complex fire grounds.



D-8621-2016

### Dräger FPS®-COM 7000

The Dräger FPS®-COM 7000 provides standalone hands-free communication along with optional connection to tactical radios. Voice-activated, the FPS-COM 7000 provides full-duplex communication on one of seven user-selected channels. Up to 10 users per channel can be connected without using a tactical radio, which is especially ideal for special operations like hazardous materials response teams.

## Related Products



D-8585-2016

### Dräger FPS®-COM 5000

In an emergency, there is no time for misunderstanding. That's why Dräger developed the FPS-COM 5000 communication unit for NFPA-certified SCBAs. Designed to connect seamlessly to the Dräger FPS® 7000 full-face masks, this proven communication unit ensures clear communication through either a tactical voice amplifier or a radio – even in extreme conditions.



D-9342-2014

### Dräger C-C 550

This microphone/loudspeaker communications control unit connects standard tactical radios to the FPS®-COM 5000 and 7000 communication units and can also be used independently. For ease of use, the C-C550 includes two large push-to-talk buttons and a switch to transfer incoming signals to the speaker.



D-9339-2014

### Dräger C-C440

Communications control unit with large Push-To-Talk button for easy handling of the radio transmitter. Tough and robust design that's waterproof (IP67) in extreme environments (MIL-STD-810G). ATEX versions are available.



ST-1974-2008

### Dräger SCBA Storage Case

This durable case stores all SCBA components and accessories, while protecting them from the environment.

## Related Products



D-2502E-2010

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### **Buddy Breather**

The Buddy Breather, also known as the Universal Emergency Breathing Supply System (UEBSS), enables two firefighters to share a single source of air.

## Technical Data

### Dräger PSS® 7000 with Dräger Sentinel 7000

Weight w/empty 45-min cylinder	25.6 lbs (11.61 kg)
Input pressure (psi)	Low-pressure 2,216; high-pressure 4,500
Nominal first stage output pressure (psi)	108
First stage output flow (l/min)	>1,000
LDV output flow (l/min)	>500
Whistle activation pressure (psi)	Low-pressure 731; high-pressure 1,485
Whistle sound level (dBA)	>90
ADSU main alarm (dBA)	>95
Approvals	NFPA 1981 & 1982, 2018 Edition

## Ordering Information

### Dräger PSS® 7000 Self Contained Breathing Apparatus

Dräger PSS® 7000 HP Quick Connect w/ Sentinel 7000 w/ LDV	40 50 013
Dräger PSS® 7000 LP Quick Connect w/ Sentinel 7000 w/ LDV	40 50 012
Dräger PSS® 7000 HP CGA w/ Sentinel 7000 w/ LDV	40 50 011
Dräger PSS® 7000 LP CGA w/ Sentinel 7000 w/ LDV	40 50 010

### Dräger FPS® 7000 Mask Accessories

Dräger FPS® 7000 Face Mask (Small)	R63090
Dräger FPS® 7000 Face Mask (Medium)	R63091
Dräger FPS® 7000 Face Mask (Large)	R63092
Dräger FPS® 7000 Head-Up Display (HUD)	33 56 234
Dräger FPS® 7000 Communications	On request

### Dräger PSS® 7000 Lung Demand Valve (LDV)

Dräger PSS® 7000 LDV—CBRN Rated and Approved	33 67 430
Locking LDV Holder	33 67 431

### Optional Accessories

Dräger Cylinders	On request
Dräger SCBA Storage Case	40 57 795

### Secondary Supply Hose and Airline Accessories

Dräger Universal Buddy Breather Pouch	33 67 467
Dräger Universal Buddy Breather 40" w/ Pouch	On request

## Notes

## Notes

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