

Dräger PSS® 7000 SCBA Self-Contained Breathing Apparatus

Before you can protect the lives of others, you have to protect yourself. The Dräger PSS® 7000 SCBA breathing apparatus provides unmatched comfort, durability and safety in the harshest environments. The ergonomic PSS 7000 combines trusted pneumatics, flexible fit, and quick cylinder connection—freeing you to concentrate on the task at hand.



Benefits

Built to satisfy the most rigorous demands

The Dräger PSS 7000 SCBA and Dräger Sentinel monitoring systems have been developed over the years based on feedback from firefighters throughout North America. As a result, the Dräger PSS 7000 is not only state-of-the-art, but it has also been proven to satisfy the most rigorous demands of first responders. The following are key features that distinguish the Dräger PSS 7000 from other SCBAs in the marketplace.

Innovative harness system provides unmatched comfort and durability

Dräger SCBAs are designed with a lower center of gravity to increase stability and balance, allowing you to work more effectively with less fatigue. The PSS 7000 has 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 x higher abrasion resistance than traditional padding. The material is easy to clean and disinfect, and is highly resistant 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 fast and easy to don and doff.

Ergonomic 3-position backplate allows freedom of movement

The Dräger PSS 7000 was designed to move with you—allowing unrestricted movement as you walk, crawl or climb. The backplate automatically lengthens and pivots to mirror your movements. The unique self-adjusting and pivoting waist belt keeps the SCBA on your hips when you reach and prevents your coat from riding up.

To reduce back strain, the weight of the harness is designed to ride on your hips. The 3-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.

Rapid, secure cylinder change-outs save precious time

The PSS 7000 has a lock-and-load system that lets you securely change out cylinders quickly. A proven quarter-turn adapter allows you to quickly and easily attach the cylinder to the reducer—saving time compared to conventional threaded reducer hand wheel and cylinder connections. The quick connect features a safety interlock system which prevents disconnection at pressures above 70 psi (approx.) and enables you to reenter the action more quickly and allows for mutual cylinder aid or exchange—regardless of what SCBA is used.

A choice of integrated safety systems to monitor air supply

At Dräger, we understand that your department has specific requirements and budgets. Our modular Sentinel electronic monitoring systems provide you with options to satisfy the needs of any department.

Housed in impact-resistant, water-resistant casings, Dräger monitoring systems demonstrate 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 7000—Real-time monitoring of key indicators

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.

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

- 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 PASS is activated
- Automatic self-tests and system tests
- Enhanced data logging with personal ID

Dräger Sentinel 1500*—Modular design helps increase personal safety

The Dräger Sentinel 1500 is a fully integrated, electronic signal and warning unit with a modular design that allows you to position the PASS device at your waist or shoulder, based on your preference.

With a trusted backlit pneumatic style transmitting gauge, the Sentinel 1500 increases personal safety because it:

- Sends a wakeup signal to the paired PASS device and HUD when the cylinder is opened, ensuring that the system is ready before you enter a hazardous zone
- Includes a configurable alarm that alerts you when absorbed temperatures reach a critical level
- Draws attention to a firefighter in distress by generating distinctive visual and audible alert signals
- Decreases snagging hazards by reducing the need for additional cables or wires

Related Products



D-1342-2015

Dräger FPS® 7000

The Dräger FPS 7000 fullface mask sets new standards in safety and comfort. A double sealing line and choice of three sizes ensure maximum protection by adapting to different head and face shapes.



D-1306-2015

Dräger FPS®-COM 7000*

The FPS-COM 7000 allows for hands-free communication between team members and enables communication with external radio units with the push of a button.



D-01400-2015

Dräger FPS®-COM 5000

Developed for use with the FPS 7000 full face mask, the FPS-COM 5000 is a fully integrated communication system for voice amplification that offers clear speech transmission to the surrounding environment, regardless how extreme the conditions.



D-9942-2014_C550_3

Dräger Com-Control 550

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

Related Products



D-9399-2014_C440

Dräger Com-Control 440

Using a simple push-to-talk button, the C-C440 connects FPS®-COM devices to a range of standard radio devices. Specially designed for deployments using chemical protective suits, this rugged design is built to IP67 standards.

Standard System Components



D-77890-2013

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, pressure, value, color and logo options.



D-1184-2015

Cylinder Quick Connect

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

Optional System Components

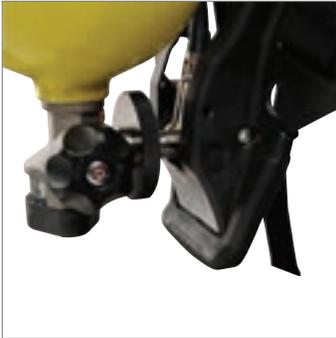
D-25025-2010



Buddy Breather

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

ST-1515-2003



CGA Cylinder Connection

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

ST-138861-2010



Dräger SCBA Storage Case

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

Technical Data

Dräger PSS® 7000 with Dräger Sentinel 7000

Weight w/empty 45-min cylinder (lbs.)	25.6
Input pressure (psi)	2,216–4,500
Nominal 1st stage output pressure (psi)	108
1st stage output flow (l/min)	>1,000
LDV output flow (l/min)	>500
Whistle activation pressure (psi)	731–1,485
Whistle sound level (dBA)	>90
ADSU main alarm (dBA)	>95
Approvals	NFPA 1981 & 1982-2013 Edition

Dräger PSS® 7000 with Dräger Sentinel 1500*

Weight w/empty 45-min cylinder (lbs.)	23.9
Input pressure (psi)	2,216–4,500
Nominal 1st stage output pressure (psi)	108
1st stage output flow (l/min)	>1,000
LDV output flow (l/min)	>500
Whistle activation pressure (psi)	731–1,485
Whistle sound level (dBA)	>90
ADSU main alarm (dBA)	>95
Approvals	NFPA 1981 & 1982-2013 Edition

*Pending NFPA approval

Ordering Information

Dräger PSS® 7000 Self Contained Breathing Apparatus

Dräger PSS® 7000 HP Quick Connect w/ Sentinel 7000 w/ LDV	40 43 185
Dräger PSS® 7000 LP Quick Connect w/ Sentinel 7000 w/ LDV	40 43 187
Dräger PSS® 7000 HP CGA w/ Sentinel 7000 w/ LDV	40 43 181
Dräger PSS® 7000 LP CGA w/ Sentinel 7000 w/ LDV	40 43 183
Dräger PSS® 7000 HP Quick Connect w/ Sentinel 1500 w/ LDV	40 43 176
Dräger PSS® 7000 LP Quick Connect w/ Sentinel 1500 w/ LDV	40 43 178
Dräger PSS® 7000 HP CGA w/ Sentinel 1500 w/ LDV	40 43 172
Dräger PSS® 7000 LP CGA w/ Sentinel 1500 w/ LDV	40 43 174

Dräger FPS® 7000 Mask Accessories

Dräger FPS® 7000 EPDM Face Mask (Medium)	R61845
Dräger FPS® 7000 Face Mask (Small)	R61844
Dräger FPS® 7000 Face Mask (Large)	R61845
Dräger FPS® 7000 HUD	40 46 167
Dräger FPS® 7000 Communications	On request

Dräger PSS® 7000 Lung Demand Valve (LDV)

Dräger PSS® 7000 LDV–CBRN Rated and Approved	33 62 613
Locking LDV Holder	33 57 527

Optional Accessories

Dräger Cylinders	On request
Dräger SCBA Storage Case (Duffle Bag)	40 57 795

Secondary Supply Hose and Airline Accessories

Dräger Multilink Buddy Breather Pouch	40 58 231
Dräger Multilink Buddy Breather 20' w/ Pouch	40 58 602
Dräger Multilink Buddy Breather 40' w/ Pouch	40 58 601

Notes

FPS and PSS are trademarks of Dräger.



Dräger Service

With Dräger's service agreements, you get complete peace of mind and budget security, knowing that your equipment is supported by the same team of experts that engineered it and is backed by over 125 years of experience. You can rely on Dräger to keep the tools you depend on operating at peak performance. With the Dräger Service Advantage, you'll have a partner in safety who puts the well-being of your firefighters first.

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