

Dräger PSS™ 7000 Self Contained Breathing Apparatus

The Dräger PSS™ 7000 is a new generation of self-contained breathing apparatus (SCBA) that provides greater comfort, durability, and safety while meeting the world's toughest standards for firefighting equipment. As such, the Dräger PSS™ 7000 is yet another example of one of the world's largest SCBA manufacturer's commitment to first responders.



SATISFYING THE MOST RIGOROUS EXPECTATIONS

The Dräger PSS™ 7000 was developed from scratch with the input of firefighters throughout North America. Combining the latest in electronics and materials, the Dräger PSS™ 7000 meets all of the National Fire Protection Agency (NFPA) 2007 standards — the most current edition of some of the world's toughest standards for self-contained breathing apparatus.

As a result, the Dräger PSS™ 7000 is not only technologically advanced, it has been proven to satisfy the most rigorous demands of firefighting. Following are key features that distinguish the Dräger PSS™ 7000 as the state-of-the-art breathing apparatus for first responders.

A NEW HARNESS SYSTEM FOR EXTRA COMFORT AND WEAR RESISTANCE

A key feature of the Dräger PSS™ 7000 is a newly designed harness suspension system that provides the ultimate in comfort and wear. The system features advanced compression-molded comfort padding. Its high temperature performance and exceptional wear resistance make it particularly suitable for firefighters. Additionally, the high grip anti-slide outer surface of the harness is made from a vulcanized chloroprene rubber for the

necessary stability to keep the harness securely in position. Finally, new improvements made to the harness friction buckle design make it quick and easy to don and doff the Dräger PSS™ 7000 SCBA.

A BACKPLATE THAT PROVIDES UNRESTRICTED MOVEMENT

To fit the torso lengths of different firefighters, the Dräger PSS™ 7000's carbon fiber composite backplate features a unique 3-position height adjustment. This feature allows the wearer to adjust the height of the backplate within seconds.

The Dräger PSS™ 7000 was also designed to move with the user, allowing for unrestricted movement. The backplate automatically lengthens and pivots to accommodate the user's movements, and the unique self-adjusting, pivoting waistbelt allows the backplate to do this.

In addition to an increased range of movement, the weight of the Dräger PSS™ 7000 rides on the hips to reduce back strain. This also increases stability and balance by providing a lower center of gravity. Ultimately, the design of the Dräger PSS™ 7000 allows the wearer to work more effectively with less fatigue.



D-4265-2010

Dräger PSS™ 7000



RAPID, SECURE CYLINDER CHANGE-OUTS TO SAVE PRECIOUS TIME

Dräger PSS™ 7000 features a Lock and Load system that enables firemen to securely change out their cylinders in about 10 seconds. This unique quarter-turn adapter allows for quick and easy attachment of the cylinder to the adapter, saving time compared to the conventional cylinder hand wheel and cylinder adapter. The Dräger PSS™ 7000 cylinder quick-connect system enables firefighters to reenter a fire situation much more quickly and also allows for mutual cylinder aid or exchange, when presented with a life critical situation.

AN INTEGRATED SAFETY SYSTEM TO MONITOR AIR SUPPLY TIME

With over a decade of electronic personal alert safety system (PASS) experience, Dräger developed the Sentinel™ 7000 — a fully integrated pressure gauge and “Smart Electronic Monitoring Device” that is housed in an impact-resistant water-proof casing. The integrated warning system uses a solid-state surface-mounted accelerometer motion sensor that measures movement on two axes. This provides excellent repeatability and reliability.

Three high temperature resistant sounders — one on the front and two on the rear of the SCBA — in combination with a high-intensity buddy lights system provides an attention-demanding audible warning of >95 dBA in combination with a visual warning to the firefighter as well as other team members on the fire ground.

SMART CARD TECHNOLOGY FOR “REAL TIME” INFORMATION

The Dräger Sentinel™ 7000 can be easily programmed with the firefighter's personal information using Dräger's Smart Card Technology (SCT). This provides “real time” information about the SCBA to the firefighter every 30 seconds. Information such as cylinder pressure and time to low air warning can be downloaded and evaluated at a later time.

POWERED FOR TOTAL RELIABILITY

Both the Dräger PSS™ 7000 SCBA and Sentinel™ 7000 are powered by one central quick-change battery pack system with five AA batteries. An additional CR-123 backup battery enables firefighters to be completely confident in the reliability of the SCBA.

SIMPLE AND INEXPENSIVE TO MAINTAIN

With its quick-release mechanism on both the waistbelt and shoulder harness, the Dräger PSS™ 7000 is simple and easy to clean, maintain, and service, ensuring that the SCBA is always available to use, while also saving time and money.

EQUIPPING FIREFIGHTERS TO DO MORE

The Dräger PSS™ 7000 and the Dräger Sentinel™ 7000 are built to meet the requirements of both high temperature and water immersion tests. In addition, the Dräger PSS™ 7000 provides fire departments with flexible options that are quick to attach and ready to use. With its durable design, advanced ergonomics, and enhanced safety features, the Dräger PSS™ 7000 is one of the best SCBA options on the market.



D-25029-2010

Dräger PSS™ 7000

DRÄGER PSS™ 7000

Reflective shroud for increased safety

"Slide and Lock" Harness Connections

Integrated Hose Channels

Sentinel™ 7000 Digital Gauge

Swivel & Pivot Waist Belt

Optional 20 or 40" Multilink

Pull Forward Waist Adjustment

D-250392-2010



D-203982-2010

High-Tech Harness
Vulcanized chloroprene, single piece harness and waist padding system designed to prevent water or chemical absorption making it easier to decontaminate and clean while providing a considerable reduction in drying time.

TECHNICAL INFORMATION

PSS 7000 with Dräger Sentinel™ 7000

Weight lb (Backplate and Harness)	12.53
Input Pressure (psi)	2216 - 4500
Nominal 1st Stage output pressure (psi)	108
1st stage output flow (l/min)	> 1000
LDV output flow (l/min)	> 500
Whistle activation pressure (psi)	510 - 1215
Whistle Sound Level (dBA)	> 90
ADSU Main alarm (dBA)	>95

Approvals NFPA 1981 - 2007

SELECTED ACCESSORIES/UPGRADES



ST-616E-2007

Dräger Sentinel™ 7000



ST-947E-2006

Dräger FPS® 7000 & Optional Amplifier



ST-9907-2006

Dräger FPS® 7000 Wireless Head-Up Display



D-25025-2010

Dräger Multilink 20" and 40"



D-25033-2010

Dräger PSS™ 7000 CBRN LDV



D-25024-2010

Dräger Cylinder Quick Connect



D-25020-2010

Dräger Carbon Cylinders



D-25021-2010

Dräger FPS® 7000 Communication



ST-13861-2010

Dräger SCBA Storage Case

ORDER INFORMATION**Dräger PSS™ 7000 Self Contained Breathing Apparatus**

PSS 7000 HP CGA w/ PSS 7000 LDV	40 58 653
PSS 7000 LP CGA w/ PSS 7000 LDV	40 58 654
PSS 7000 HP Quick Connect w/ PSS 7000 LDV	40 58 651
PSS 7000 LP Quick Connect w/ PSS 7000 LDV	40 58 652

Dräger FPS® 7000 Mask Accessories

FPS 7000 EPDM Face Mask (Medium)	R 56 424
FPS 7000 Face Mask (Small)	R 56 507
FPS 7000 Face Mask (Large)	R 56 628
FPS 7000 HUD	33 56 555
Dräger FPS 7000 Communications	on request

Dräger PSS™ 7000 Lung Demand Valve (LDV)

PSS 7000 LDV - CBRN Rated and Approved	33 55 679
Locking LDV Holder	33 57 527

Optional Accessories

Dräger Cylinders	on request
Dräger SCBA Storage Case	TBD

Secondary Supply Hose & 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

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