

Dräger PSS[®] 7000 Self Contained Breathing Apparatus

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 fire fighter.



Benefits

Complete, state-of-the-art personal safety system solution

Highlights include:

- Ready for telemetry operation with PSS Merlin system
 - Available with standard mechanical gauge or Bodyguard 7000 electronic monitoring
 - Comfortable yet highly durable shoulder and waist belt padding featuring a secure, high-friction surface to reduce slippage
 - Sliding and pivoting waist belt assembly
 - 3-point height adjustment
 - Breathing hoses integrated in the backplate
 - Reflective and photo-luminescent hose sleeves for improved visibility
 - Quick release pneumatics, shoulder and waist belt assemblies for easy service and maintenance
 - Optional Quick-Connect cylinder system for rapid exchange in the field and in the workshop
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Height-adjustable carrying system

The PSS 7000 has been designed for maximum comfort and stability during use in harsh fire fighting environments. Incorporating a rigid harness connection to a 3-point-height adjustment backplate, advanced harness materials and a pivoting waist belt, the PSS 7000 remains firmly in position regardless of the task in hand.

Maximum performance harness material

The PSS 7000 utilizes new state-of-the-art harness materials which have been specially designed to withstand the high level wear and tear fire fighters subject them to on an almost daily basis. Incorporating sturdy stainless steel buckles and long-life Aramid blend webbing, it is well suited to extended wear and frequent use.

Service friendly, low maintenance

To keep both downtime and costs to a minimum during service and maintenance, the PSS 7000 incorporates a number of unique design features:

- Dräger's innovative "slide and lock" harness mechanism facilitates fast and simple harness and waist pad connection/removal from the backplate without the need for tools.
- The first stage reducer snap fit connection allows the pneumatics to be fitted or removed quickly and easily from the SCBA.
- "Push in and out" hose clips allow rapid removal of hoses from the harness pads for cleaning without the need to remove the clip itself.
- Closed, single piece harness and waist pad design to prevent excessive water absorption, reducing cleaning and drying time.

Benefits

Versatile integrated hose routing

To minimize the risk of snagging and to protect against physical damage, both gauge and air supply hoses are run through integrated channels in the PSS 7000 backplate. The LDV, gauge and rescue hoses can now be routed over the left and/or right shoulders (2 hoses per side), allowing the PSS 7000 to be configured to any standard. Conventional waist mounted hoses can also be fitted, making the PSS 7000 one of the most versatile SCBA's available.

Wide variety of system configurations and accessories

Dräger has revolutionized the use of breathing systems by creating a range of optional components that can be selected in combination to meet the fire fighter's specific needs regardless of the task. In addition to the standard features of the PSS 7000, it is also possible to add:

- Dräger Bodyguard 7000 electronic monitoring system
- Twin cylinder configuration
- Quick-Connect (QC) cylinder connection
- Chargair quick filling
- Secondary supply connections for rescue, decontamination and/or airline use
- PSS Merlin Modem for telemetry applications
- PSS Rescue Hood
- and many more...

The Dräger Quick-Connect is a revolutionary, fast-action cylinder exchange system which features a dual mechanical and pressure seal safety mechanism designed to prevent accidental cylinder disconnect from the SCBA.

- The pressure seal locks the cylinder to the SCBA while the system is pressurized.
- The mechanical seal requires a dual action, twisting push motion to remove the cylinder from the reducer.

With Quick-Connect, a cylinder can be securely attached to the reducer with a simple push down action. Exchange times can be reduced from minutes to seconds which can make all the difference in an emergency situation. The danger of cross threading or thread stripping is eliminated, and workshop maintenance is greatly facilitated.

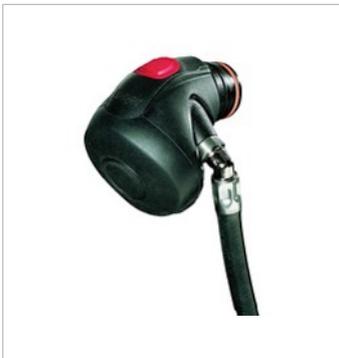
Electronic monitoring with the Dräger Bodyguard 7000

The PSS 7000 has been designed to be fully compatible with the globally established Dräger Bodyguard 7000 electronic signal and warning unit as well as the PSS Merlin telemetry system. The Dräger Bodyguard 7000 features an integrated design concept which integrates both power supply and pressure sensor modules within the backplate. This not only creates a balanced weight distribution, but also provides maximum component protection. Real-time monitoring of essential information such as time to whistle (based on current air consumption) and cylinder pressure is communicated via a lightweight, handheld electronic gauge and display and/or by a facemask-mounted head up display (HUD).

Benefits

This information can be simultaneously transferred to the PSS Merlin Entry Control Board or the PSS Merlin Entry Control Software via the PSS Merlin Modem, further enhancing fire ground safety.

System components



ST-149-2000

Dräger PSS® Lung Demand Valve (LDV)

Suitable for the most extreme applications whenever Breathing Apparatus has to be worn: with its compact and robust design, and excellent pneumatic performance, the Dräger PSS® Lung Demand Valve (LDV) will always deliver the air that you need.



ST-357-2001

Dräger Bodyguard® II

The Dräger Bodyguard® II is a fully electronic signal and warning unit for use with compressed air breathing apparatus and closedcircuit breathing apparatus. Combining a host of previously separate warning and monitoring devices into a single and simple to use instrument, the Bodyguard II is an ideal monitoring and safety solution for any first responder.

System components

D-13666-2010



Dräger FPS® 7000

The Dräger FPS® 7000 full-face mask series sets new standards in terms of safety and wearing comfort. Thanks to its enhanced ergonomics and the availability of multiple sizes, it offers a large, optimized field of vision and a very comfortable, secure fit.

D-10572-2011



Dräger FPS®-COM Plus

Because there is no time for misunderstanding in an emergency: The Dräger FPS®-COM 5000 communication unit replaces the proven Dräger FPS®-COM-PLUS. It 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.

D-57238-2012



Dräger Bodyguard® 1500

Dräger Bodyguard® 1500 is an automatic wireless PASS system which increases wearer safety in potentially hazardous situations. The system draws attention to colleagues in distress by generating distinctive visual and acoustic alert signals and features wireless data transmission from the pressure gauge to the PASS device.

ST-6166-2007



Dräger Bodyguard® 7000

The Dräger Bodyguard® 7000 is an electronic monitoring unit which provides continuous monitoring of personal information and operational status of the Dräger PSS® 7000 and PSS® 5000 self contained breathing apparatus.

System components



ST-135-2000

Dräger Compressed Air Breathing Cylinders

Designed using leading technology and advanced materials, Dräger's range of Composite Cylinders can be used in any application where breathing becomes difficult or impossible.



D-2504-2010

Dräger PSS® Merlin® Modem

For data transmission from a portable radio unit to the Dräger PSS® Merlin® Telemetry Monitoring System.



ST-2408-2003

Dräger PSS® Merlin®

Entry Control Board as part of the telemetry monitoring system for up to 12 fire fighters using Dräger Bodyguard®.



D-52717-2012

Dräger PSS® Merlin® Software

State-of-the-art Telemetry Monitoring System using the Dräger PSS® Merlin® PC Modem.

System components

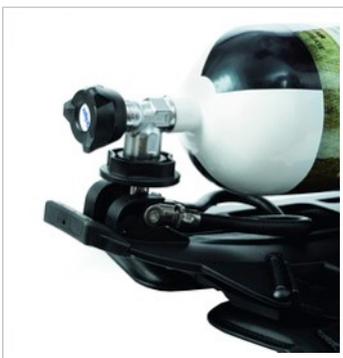
ST-603-2006



Pneumatic Gauge

The pressure gauge features a high visibility luminescent display. The injector-free warning whistle located in the gauge cover is well protected from dirt and very robust. The shoulder strap secures and manages the combination high-pressure/medium-pressure hose for the pressure gauge and the warning whistle.

ST-6195-2007



Cylinder Quick Connect

Accessories

ST-6175-2007



AA Battery module

Accessories



ST-6183-2007

Secondary Supply Hoses



ST-6184-2007

Airline Belt manifold with ASV



D-38263-2015

Dräger Bodyguard® 1000

Designed to protect life by alerting the team when a wearer becomes motionless or distressed, the Dräger Bodyguard® 1000 emits clear and distinctive signals and alarms to ensure quick and effective recognition, even in the worst environmental conditions.



ST-9907-2006

Dräger FPS® 7000 Head-up Display (HUD)

One of the many benefits of the FPS® 7000 Facemask is the option of fitting a head up display. Always within the field of view the head up display allows easy monitoring of the cylinder contents without any manual action by the wearer.

Accessories



D-5820-2014

Nickel Metal Hydride battery module



D-5821-2014

Desktop charger (shown with batteries)

Related Products



D-7489-2010

Dräger PSS® 3000

The Dräger PSS® 3000 is a high performing breathing apparatus for firefighters. Combining comfort with exceptional pneumatic performance, it is designed for applications where simplicity and ease of use are key essentials. Lightweight yet robust, and easy to don, this advanced breathing apparatus provides the ultimate in breathing protection.

Related Products



D-4266-2010

Dräger PSS® 5000

The Dräger PSS® 5000 SCBA is a high performance breathing apparatus for the professional firefighter. Combining advanced ergonomics with a wide range of configurable options the Dräger PSS® 5000 provides the user with the comfort and versatility to meet the demands of first responders whenever breathing protection is required.

Technical Data

	Dräger PSS® 7000 Pneumatic Gauge	Dräger PSS® 7000 Bodyguard®
Weight of complete set with Dräger FPS 7000 full-face mask, lung demand valve and Dräger 6.8 litre carbon composite cylinder, 20 year design life (kg)	11.7	12.2
Input pressure (bar)	0 – 300	0 – 300
Normal 1 st stage output pressure (bar)	7.5	7.5
1 st stage output flow (l/min)	> 1000	> 1000
Pneumatic warning whistle activation pressure (bar)	50 – 60	50 – 60
Pneumatic whistle sound Level (dBA)	> 90	> 90
ADSU Main Alarm	N/A	102 to 112 dBA measured at 250 mm
Battery (5 x AA battery pack)	N/A	> 365 hrs normal use
Operating Temperature (°C)	-30 to +60	-30 to +60

Approvals

Breathing Apparatus	EN 137: 2006 Type 2, vfdb 0802	EN 137: 2006 Type 2, vfdb 0802
Electromagnetic Compatibility	N/A	EN 61000-6-2
Radiation Emissions	N/A	EN 61000-6-3

Ordering Information

Dräger PSS® 7000 Compressed Air Breathing Apparatus			Description	Order No
Dräger PSS® 7000	DIN Cyl. Thread	Single Cyl. Strap	Dräger PSS® 7000 SCS	33 55 068
Pneumatic Gauge	connection	Univ. Cyl. Strap	Dräger PSS® 7000 TCS	33 55 930
	Cylinder Quick-Connect	Single Cyl. Strap	Dräger PSS® 7000 QC SCS	33 56 542
Dräger PSS® 7000	DIN Cyl. Thread	Single Cyl. Strap	Dräger PSS® 7000 BG7000 SCS	33 56 551
Bodyguard® 7000 Button	connection	Univ. Cyl. Strap	Dräger PSS® 7000 BG7000 TCS	33 56 552
		Cylinder Quick-Connect	Dräger PSS® 7000 BG7000 QC SCS	33 56 553
Dräger PSS® 7000	DIN Cyl. Thread	Single Cyl. Strap	Dräger PSS® 7000 BG7000 T SCS	33 56 679
Bodyguard® 7000 Tally	connection	Univ. Cyl. Strap	Dräger PSS® 7000 BG7000 T TCS	33 56 680
		Cylinder Quick-Connect	Dräger PSS® 7000 BG7000 T QC SCS	33 56 825
Dräger PSS® 7000 Pneumatic Gauge (customizable)				33 55 850
Dräger PSS® 7000 Bodyguard® (customizable)				33 56 567
Dräger PSS® 7000 Modular Upgrades/Accessories			Order No	
Dräger FPS® 7000 HUD In-Mask display			33 56 555	
Dräger PSS® 7000 AA battery pack (set of 5 batteries included)			33 56 556	
Dräger PSS® 7000 Rechargeable battery pack			33 61 471	
Dräger PSS® 7000 PC Link Module (incl. PC Link Software)			33 56 560	
Dräger PSS® 7000 Personal ID Cards (pack of 10)			33 56 561	
Second LDV connection/female decontamination hose w LF coupling			33 55 748	

Ordering Information

Decontamination hose male	33 55 749
T-Piece (for 2 x 6.8 liter 300 bar carbon composite cylinders)	33 37 660
Dräger PSS® 7000 2 nd Supply hose (male and female couplings)	33 56 530
Dräger PSS® 7000 Airline Kit w ASOV (QR) Occasional Use	33 55 844
Retaining Clip (Gauge/Bodyguard®)	33 52 089
Waistbelt Loop	33 34 968
LDV Holder/Gauge/Bodyguard® (push-in)	33 39 633
Cheststrap	33 39 280
Dräger PSS® Rescue Hood	33 54 982
BA Set Hardshell Carrying Case (orange)	33 35 412
BA Holdall Carrying Bag	33 56 473
Lung Demand Valves approved for use with Dräger PSS® 7000 Compressed Air Breathing Apparatus	
Plus LDV Short Hose Push in	33 38 700
Plus LDV Short Hose M45	33 38 706
Plus LDV Short Hose M40	33 50 501
Plus LDV M40 1.75 m (rescue only)	33 50 606
Plus LDVs with special polymer diaphragm for use in H₂S environments	
Plus LDV Short Hose Push in	33 38 967
Plus LDV Short Hose M45	33 38 968
Plus LDV Short Hose M40	33 38 969

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