

Dräger PSS® 5000 Self Contained Breathing Apparatus

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.



Benefits

Dräger PSS® 5000

- Ergonomic carrying system
- Advanced harness material
- Service friendly & easy to maintain
- Integrated and Versatile hose routing
- Wide variety of system configurations and accessories
- Electronic Monitoring with the Dräger Bodyguard® 1500 and Bodyguard® 7000 systems

Utilizing the established Dräger PSS 7000 pneumatics and cylinder strap design, the Dräger PSS 5000 combines established technology, state-of-the-art materials and innovative thinking to create an SCBA for virtually any application.

Ergonomic carrying system

The Dräger PSS 5000 has been designed to be not only comfortable but also extremely stable during use in harsh firefighting environments. Incorporating a rigid harness connection to a fixed-height back plate, advanced harness materials and a pivoting waist belt, the Dräger PSS 5000 remains in position regardless of the task in hand.

Advanced harness material

The Dräger PSS 5000 utilizes state-of-the-art harness materials (Dräger Professional DP). Produced to withstand the high wear and tear that firefighters face daily, whilst providing an enhanced level of durability. Incorporating hardwearing stainless steel buckles and long-life Aramid blend webbing, the harness is ideally suited to extended wear and frequent use.

Service friendly & easy to maintain

To keep downtime and costs to a minimum during service and maintenance, the Dräger PSS 5000 incorporates a number of unique design features

- Dräger's innovative Harness "slide and lock" mechanism facilitates fast and simple harness and waist pad connection/removal from the back plate, without the use of tools
- The first stage reducer snap fit connection allows the pneumatics to be fitted or removed quickly and easily from the set
- "Push in and out" hose clips allow swift 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

Integrated and versatile hose routing

To minimize the risk of snagging and to guard against physical damage, both the gauge and air supply hoses are integrated within channels in the Dräger PSS 5000 back plate. The LDV, Gauge and Rescue hoses can now be routed over the left and/or right shoulders (2 hoses per side), allowing the Dräger PSS 5000 to be configured to any standard. Conventional waist mounted hoses can also be fitted making the Dräger PSS 5000 one of the most versatile SCBA's available.

Wide variety of system configurations and accessories

Dräger has revolutionized the use of breathing apparatus by creating a range of components that can be selected in combination to meet the specific needs of the firefighter regardless of the task.

In addition to the inherent features of the Dräger PSS 5000, it is also possible to add

- Dräger Bodyguard 7000 electronic monitoring
 - Dräger Bodyguard 1500 integrated PASS when used with Tx gauge
 - Twin cylinder configuration
 - Quick-Connect (QC) cylinder connection
 - ChargAir quick filling
 - Secondary supply connections for rescue, decontamination and/or airline use
 - Dräger PSS® Merlin® Modem
 - Dräger PSS® Rescue Hood
 - Dräger PSS® Safety Belt
 - And many more ... (for a full list and information please refer to the Dräger CABE Family Catalogue)
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Electronic monitoring with the Dräger Bodyguard 7000

The Dräger PSS 5000 has been designed to be fully compatible with the globally established Dräger Bodyguard 7000 electronic signal and warning unit, and the integrated PSS Merlin Modem.

For maximum protection the Dräger Bodyguard 7000 has a compact design that integrates the power supply and pressure sensor modules within the back plate, creating a balanced weight distribution. 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, a facemask-mounted Head-Up Display (HUD).

Simultaneously this information can be transferred via the PSS Merlin Modem to an Entry Control Board or Xplore tablet / laptop PC running Dräger Merlin Software, further enhancing firefighter and fire ground safety.

Benefits

Dräger Bodyguard 7000 at a glance

- Accurate, continuously updated air time remaining
- Digital and Analogue display of cylinder pressure
- Time to whistle (based on current air consumption)
- Intuitive operation
- Integrated personal alert safety system (PASS)
- Visual and acoustic warnings and alarms (102 to 112 dBA)
- Easy push-button operation
- Configurable settings to suit individual preferences
- Enhanced display with scrolling text
- Automatic self tests and system tests
- Datalog with personal ID
- PC Link Software (Windows® compatible)
- Choice of operating modes: Tally and Automatic
- Simple upgrade to Dräger FPS® 7000 Head-Up- Display (HUD)
- Simple integration with the Dräger PSS Merlin Modem

Electronic monitoring with the Dräger Bodyguard 1500

The Dräger PSS 5000 can also be fitted with the Dräger Bodyguard 1500, a 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 Tx pressure gauge to the Bodyguard 1500 PASS device.

Dräger Bodyguard 1500 at a glance

- Twin blue fascia LED's enhance user safety by highlighting wearers position in areas of poor visibility
- Backlit Tx pressure gauge wirelessly transmits pressure data to Bodyguard 1500 PASS device and optional Heads up display
- Visual indication of low air pressure alerts on Tx gauge and Bodyguard 1500 PASS device.
- Integrated thermal alarm on Bodyguard 1500 PASS device alerts the wearer to exposure to elevated and rapidly rising temperatures
- Detachable Bodyguard 1500 PASS can be positioned anywhere on the wearer and can be detached for stand alone use.
- Both the Tx gauge and Bodyguard 1500 PASS devices incorporate datalogging capabilities for downloading incident history

System Components



D-13666-2010

Dräger FPS® 7000

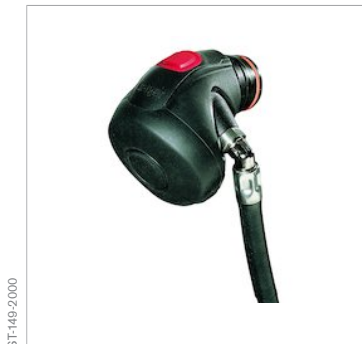
The Dräger FPS® 7000 full-face mask series ensures high safety and wearing comfort. The modern design offers a large, optimized field of vision, while the availability of different sizes ensures the mask fits comfortably and securely. The full-face mask is available with different connections and wearing systems.



D-36356-2021

Dräger Compressed Air Breathing Cylinders

Designed using leading technology and advanced materials, you can use our Dräger cylinders in any application where breathing protection is needed. We offer you a broad range, from carbon composite to steel cylinders. You especially benefit from their lightweight and Non-Limited Life (NLL) performance.



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.



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.

System Components



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-6168-2007

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.



D-52717-2012

Dräger PSS® Merlin® System

The Dräger PSS® Merlin® Telemetry System offers a precise overview of the status of respiratory equipment wearers. The vital status information is communicated directly between the entry control point and the wearer. Technology, which supports the incident, significantly increases safety and protects the lives of your breathing apparatus wearers.



D-28795-2015

Dräger FPS®-COM 5000

Because there is no time for misunderstandings in an emergency: The Dräger FPS®-COM 5000 communication unit 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.

Accessories



D-31788-2015

Dräger PSS® Safety Belt

The Dräger PSS® Safety Belt increases wearer safety in potentially hazardous situations by securing the fire fighter whilst working at height: providing work positioning, fall prevention and emergency self-rescue. The multifunctional belt is designed to be easily integrated into the Dräger PSS® 5000 and PSS® 7000 SCBA to safely anchor the wearer, without the need for an additional belt.



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.



ST-6185-2007

Dräger PAS® ASV

The Dräger Automatic Switch over Valve (PAS® ASV) enables the user to connect compressed air breathing apparatus to an external air supply, such as a factory ring main, and be safe in the knowledge that if the external supply were to fail, there would be a safe and uninterrupted transition to the wearer's back-up air supply.



ST-6183-2007

Secondary Supply Hose

A range of secondary supply hoses for shoulder or waist mounting, to give flexibility of use in emergency rescue scenarios.

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 dependable breathing protection.

D-38071-2015



Dräger PSS® 4000

The Dräger PSS® 4000 is one of the lightest professional self-contained breathing apparatus for firefighters. Combining comfort with exceptional pneumatic performance, this SCBA is designed for applications where simplicity and ease of use are crucial. Lightweight yet robust, and easy to don, the PSS® 4000 provides outstanding breathing protection.

ST-6147-2007



Dräger PSS® 7000

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 firefighter.

Technical Data

| | PSS® 5000 DP Pneumatic Gauge | PSS® 5000 DP Bodyguard® 7000 |
|---|---------------------------------|---------------------------------|
| Weight Kg (Backplate and Harness) | 4.00 | 4.60 |
| Input Pressure (bar) | 0 – 300 | 0 – 300 |
| Nominal 1 st Stage output pressure | 7.5 | 7.5 |
| 1 st stage output flow (l/min) | > 1,000 | > 1,000 |
| LDV output flow (l/min) | > 400 | > 400 |
| Whistle activation pressure (bar) | 50 – 60 | 50 – 60 |
| Whistle Sound Level (dBA) | > 90 | > 90 |
| ADSU Main alarm (dBA) | N/A | 102 – 112 |
| Approvals EN 137:2006 (Type 2) | | |

Ordering Information

| Dräger PSS® 5000 Compressed Air Breathing Apparatus | | | Description | Order No |
|---|-------------------------------|-------------------|---|-----------|
| Dräger PSS® 5000 DP Pneumatic Gauge | DIN Cyl. Thread connection | Single Cyl. Strap | Dräger PSS® 5000 DP SCS | 33 57 845 |
| | | Univ. Cyl. Strap | Dräger PSS® 5000 DP TCS | 33 58 333 |
| | Cylinder Quick-Connect | Single Cyl. Strap | Dräger PSS® 5000 DP QC SCS | 33 58 431 |
| Dräger PSS® 5000 DP Bodyguard® 7000 Button | DIN Cyl. Thread connection | Single Cyl. Strap | Dräger PSS® 5000 DP BG 7000 SCS | 33 58 353 |
| | | Univ. Cyl. Strap | Dräger PSS® 5000 DP BG 7000 TCS | 33 58 355 |
| | Cylinder Quick-Connect | Single Cyl. Strap | Dräger PSS® 5000 DP BG 7000 QC SCS | 33 58 436 |
| Dräger PSS® 5000 DP Bodyguard® 7000 Tally | DIN Cyl. Thread connection | Single Cyl. Strap | Dräger PSS® 5000 DP BG 7000 T SCS | 33 58 354 |
| | | Univ. Cyl. Strap | Dräger PSS® 5000 DP BG 7000 T TCS | 33 58 356 |
| | Cylinder Quick-Connect | Single Cyl. Strap | Dräger PSS® 5000 DP BG 7000 T QC SCS | 33 58 437 |
| * Tx Gauge options also available on the above variants | | | | |
| ** ChargAir options also available on the above variants | | | | |
| Dräger PSS® 5000 Pneumatic Gauge (customizable) | | | | 33 57 943 |
| Dräger PSS® 5000 Bodyguard® 7000 Gauge (customizable) | | | | 33 58 824 |
| Dräger PSS® 5000 Modular Upgrades / Accessories | | | | Order No |
| Upgrade of PSS® 5000 with pneumatic gauge to Bodyguard® 7000 (power supply NOT included) - button version | | | | 33 57 101 |
| Upgrade of PSS® 5000 with pneumatic gauge to Bodyguard® 7000 (power supply NOT included) - tally version | | | | 33 57 098 |
| PSS® Merlin® Modem Kit | | | | 33 57 982 |
| 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 (Ni Mh) - for use with Dräger PSS® Merlin® | | | | 33 58 121 |
| Dräger PSS® 7000 Rechargeable Battery Pack (Ni Mh) - for use without Dräger PSS® Merlin® | | | | 33 61 471 |
| Dräger PSS® 7000 PC Link Module (incl. PC Link Software) | | | | 33 56 560 |

Ordering Information

| | |
|---|-----------------|
| Dräger PSS® 7000 Personal ID Cards (pack of 10) | 33 56 561 |
| Second LDV connection / female decontamination hose w LF coupling | 33 55 748 |
| Decontamination hose male | 33 55 749 |
| T Piece (for 2 x 6.8L 300 bar carbon composite cylinders) | 33 37 660 |
| Dräger PSS® 7000 2nd supply hose (male and female couplings) | 33 56 530 |
| Dräger PSS® 7000 Airline Kit w ASV (QR) Occasional Use | 33 55 844 |
| ASV Quick Fit | 33 57 007 |
| Retaining Clip (for Gauge or Bodyguard 7000) | 33 52 089 |
| Waistbelt Loop | 33 34 968 |
| LDV Holder PI | 33 57 527 |
| LDV Holder M45 | 33 57 528 |
| LDV Holder ESA / RD40 | 33 57 526 |
| Cheststrap | 33 39 280 |
| Dräger PSS® Rescue Hood | 33 54 982 |
| Dräger RPS 3500 (Rescue Pack System) | 33 56 824 |
| BA Set Hardshell Carrying Case (orange) | 33 35 412 |
| BA Set Hardshell Carrying Case X large (orange) - for use with 9L cylinders | 40 59 430 |
| SCBA Holdall Carrying Bag | 33 56 473 |
| Lung Demand Valves approved for use with Dräger PSS® 5000 Compressed Air Breathing Apparatus | Order No |
| Plus LDV Short Hose Push In (PI) | 33 38 700 |
| Plus LDV Short Hose Push M45 | 33 38 706 |
| Plus LDV Short Hose Push M40 | 33 50 501 |
| Plus LDV Short Hose ESA | 33 51 302 |
| Plus LDV M40 1.75m (Rescue Only) | 33 50 606 |
| Plus LDV's with special polymer diaphragm for use in H₂S environments | Order No |
| Plus LDV Short Hose Push In (PI) | 33 38 967 |
| Plus LDV Short Hose Push M45 | 33 38 968 |
| Plus LDV Short Hose Push M40 | 33 38 969 |
| Plus LDV Short Hose ESA | 33 51 333 |
| Complementary products | Order No |
| Dräger FPS® 7000 Full-Face Mask | on request |
| Dräger PSS® Safety Belt | on request |
| Compressed Air Breathing Cylinders | on request |

Notes

Notes

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