

## Dräger PSS® 5000 Compressed Air 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

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### Dräger PSS® 5000

- Ergonomic carrying system
- Advanced harness choice
- 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.

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### 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.

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### Advanced harness choice

To allow the breathing apparatus to be tailored to the required application, the Dräger PSS 5000 utilizes state-of-the-art harness materials offered in a choice of 2 harness options:

#### The Dräger Standard (DS)

Harness is a cost effective option for everyday use, offering a high level of comfort and durability. Easy to don and doff materials and simple pull forward and pull down adjustment mechanisms make the DS harness a versatile option for a wide variety of applications.

#### The Dräger Professional (DP)

Utilizes materials to withstand the high wear and tear that firefighters face daily, whilst providing an enhanced level of durability over the DS harness. Incorporating hardwearing stainless steel buckles and long-life Aramid blend webbing, the DP is ideally suited to extended wear and frequent use.

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### 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

## Benefits

- “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

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### 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.

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### 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 DS and DP, 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 newly integrated PSS Merlin Modem.

For maximum protection the Dräger Bodyguard 7000 has an innovative 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

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### 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

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### 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.

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### 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 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, optimised field of vision and a very comfortable, secure fit.



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.



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-6185-2007

### Dräger PSS® 7000 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 the ultimate in breathing protection.

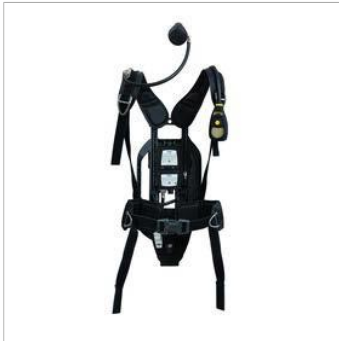
D-38071-2015



### 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 DS Pneumatic Gauge	PSS® 5000 DP Pneumatic Gauge	PSS® 5000 DP Bodyguard® 7000
Weight Kg (Backplate and Harness)	3.85	4.00	4.60
Input Pressure (bar)	0 – 300	0 – 300	0 – 300
Nominal 1 <sup>st</sup> Stage output pressure	7.5	7.5	7.5
1 <sup>st</sup> stage output flow (l/min)	> 1,000	> 1,000	> 1,000
LDV output flow (l/min)	> 400	> 400	> 400
Whistle activation pressure (bar)	50 – 60	50 – 60	50 – 60
Whistle Sound Level (dBA)	> 90	> 90	> 90
ADSU Main alarm (dBA)	N/A	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
Dräger PSS® 5000 DS Pneumatic Gauge	DIN Cyl. Thread connection	Single Cyl. Strap	Dräger PSS® 5000 DS SCS	33 57 858
		Univ. Cyl. Strap	Dräger PSS® 5000 DS TCS	33 58 338
	Cylinder Quick-Connect	Single Cyl. Strap	Dräger PSS® 5000 DS QC SCS	33 58 428
Dräger PSS® 5000 DS Bodyguard® 7000 Button	DIN Cyl. Thread connection	Single Cyl. Strap	Dräger PSS® 5000 DS BG 7000 SCS	33 58 349
		Univ. Cyl. Strap	Dräger PSS® 5000 DS BG 7000 TCS	33 58 341
	Cylinder Quick-Connect	Single Cyl. Strap	Dräger PSS® 5000 DS BG 7000 QC SCS	33 58 434

## Ordering Information

Dräger PSS® 5000 DS Bodyguard® 7000 Tally	DIN Cyl. Thread connection	Single Cyl. Strap	Dräger PSS® 5000 DS BG 7000 T SCS	33 58 350
		Univ. Cyl. Strap	Dräger PSS® 5000 DS BG 7000 T TCS	33 58 352
	Cylinder Quick-Connect	Single Cyl. Strap	Dräger PSS® 5000 DS BG 7000 T QC SCS	33 58 435
* 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
<b>Dräger PSS® 5000 Modular Upgrades / Accessories</b>				<b>Order No</b>
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
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
<b>Lung Demand Valves approved for use with Dräger PSS® 5000 Compressed Air Breathing Apparatus</b>				<b>Order No</b>
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
<b>Plus LDV's with special polymer diaphragm for use in H<sub>2</sub>S environments</b>				<b>Order No</b>
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

## Ordering Information

Plus LDV Short Hose ESA

33 51 333

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**Complementary products**

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**Order No**

Dräger FPS® 7000 Full-Face Mask

on request

Dräger PSS® Safety Belt

on request

Compressed Air Breathing Cylinders

on request

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## Notes

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