

## Dräger PSS® 4000 Self Contained Breathing Apparatus

The Dräger PSS® 4000 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.



## Benefits

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### Light, robust and simple to use

The Dräger PSS 4000 is one of the lightest professional self-contained breathing apparatus on the market and contains the same advanced technology and design philosophy as seen in our leading range of standard and extended duration professional breathing apparatus. Supported by a carrying harness with a quick release fastener and simple pull forward mechanism you can quickly and easily adjust the carrying harness.

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### Enhanced carrying system

The extremely durable carrying system features our ultra-lightweight, high strength composite carrying space frame, which provides outstanding thermal, impact and chemical resistance properties. The professional carrying system of the harness follows the natural contours of the body, improving stability and reducing back strain, stress and fatigue. The system offers optimal comfort for the wearer's shoulders and waist with an even load distribution, which is comfortably and securely in line with the body's centre of gravity. Aside from maximum comfort, the Dräger PSS 4000 also uses the most rugged and durable materials available in order to minimize the impact of even the most hostile of environments.

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### Maximum performance harness material

The Dräger PSS 4000 utilizes state-of-the-art harness materials, which have been designed to withstand the high wear and tear fire fighters face every day, while providing an enhanced level of comfort. By incorporating hardwearing stainless steel buckles and long-life blend webbing made from aramid fibre, it is ideally suited for extended wear and frequent use.

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### Easy to maintain and service

Aside from being quick and easy to service, the Dräger PSS 4000 comes with various, innovative design features that help reduce downtime and unnecessary maintenance costs. This can be seen in all major components, which are simple and quick to remove and re-assemble. The harness is attached to the carrying frame by an innovative single-piece retention method. For added convenience, the first stage pressure reducer is integrated into the carrying frame. The closed, single piece harness and waist pad design prevents excessive water absorption, which reduces cleaning and drying time, whilst optimising energy efficiencies.

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### Integrated hoses

The medium pressure air supply and gauge hoses are completely integrated into the carrying-frame in order to reduce the risk of snagging and potential entanglement. This substantially improves security and safety while entering and working in confined spaces. An additional benefit is the ability to re-route the hoses from one side to the other in order to suit customer preferences for gauge access. This design feature also facilitates the easy replacement of each hose.

## Benefits

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### Wireless option

Enhance your safety in the field with the Dräger Bodyguard 1500, an advanced personal alert safety system (PASS). This breathing protection control and non-motion-detector generates visual and acoustic alert signals if you are in distress. Furthermore the system provides a wireless data transmission between the PASS and the monitoring devices.

The backlit Tx Gauge wirelessly transmits its pressure data to the Bodyguard 1500 and also to the Dräger FPS 7000 Head-Up-Display (HUD) if being used. This feature provides automatic visual notification from the Tx Gauge and acoustic notification from the PASS when the air supply drops below user-defined limits.

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### Additional options

The flexible, user-friendly high performance system combines both new and proven innovative technology. The Dräger PSS 4000 guarantees a lifetime of dependable service simultaneously minimizing the costs of ownership, while offering a broad choice of options for every eventuality:

- Choice of lung demand valves
  - Dräger FPS 7000 full facemask configuration options (as well as Panorama Nova®)
  - Electronic voice communications
  - Steel or carbon composite cylinders
  - Secondary supply hose connections for rescue and decontamination
  - Dräger Bodyguard 1500 for a wireless transmission of pressure data
  - Dräger FPS 7000 Head-up-Display (HUD) and Tx Gauge with entry level electronics
  - Rapid charge option
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### Proven air supply technology

Versatility is one of the main principles of the Dräger PSS product series. This is why the Dräger PSS 4000 enables you to benefit from the technological progress of the other models. Incorporating the same advanced pneumatic system used in the class-leading Dräger PSS 7000 the PSS 4000 offers you professional equipment for pioneering fire departments.

## 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-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-903-2006

### 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.



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.

## System components



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



ST-6201-2007

### Dräger PSS® Rescue Hood

Fire fighters face some of the harshest conditions this world has to offer, and are expected to save others from these environments; the Dräger PSS® Rescue Hood is designed to help the professional save lives.

## 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-4286-2010

### 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.



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 fire fighter.

## Technical Data

	Dräger PSS® 4000 Pneumatic Gauge	Dräger PSS® 4000 Tx gauge	Dräger PSS® 4000 Tx gauge / Dräger Bodyguard® 1500
Weight (backplate & harness)	3.00 kg	3.15 kg	3.38 kg
Dimensions (H x W x D)	590 x 290 x 160 mm	590 x 290 x 160 mm	590 x 290 x 160 mm
Input pressure	0 to 300 bar	0 to 300 bar	0 to 300 bar
Nominal 1st stage output pressure	7.5 bar	7.5 bar	7.5 bar
1st stage output flow	> 1,000 l/min	> 1,000 l/min	> 1,000 l/min
LDV output flow	> 400 l/min	> 400 l/min	> 400 l/min
Whistle activation pressure	50 to 60 bar	50 to 60 bar	50 to 60 bar
Whistle sound level	> 90 dBA	> 90 dBA	> 90 dBA
ADSU main alarm	N/A	N/A	102 – 112 Laeq, 30s dBA
ADSU pre-alarm	N/A	N/A	86 – 112 Laeq, 30s dBA

### Approvals

Breathing Apparatus	EN 137:2006 Type 2
Intrinsic Safety	ATEX 94/9/EC (I M1/II 1GD EEx ia I/IIC T4) (Ta = -30 °C to +60 °C)
Electromagnetic Compatibility	EN 61000-6-2
Radiation Emissions	EN 61000-6-3

## Ordering Information

### Dräger PSS® 4000 Compressed Air Breathing Apparatus

Dräger PSS® 4000 SCS Pneumatic Gauge	33 63 988
Dräger PSS® 4000 SCS Pneumatic Gauge Chargair	33 64 020
Dräger FPS® 7000 Facemask	on request
Dräger PSS® 4000 SCS TX Gauge	33 63 990
Dräger PSS® 4000 SCS TX Gauge	33 64 018
Dräger Bodyguard® 1500	
Dräger PSS® 4000 SCS TX Gauge Chargair	33 64 022
Dräger PSS® 4000 SCS TX Gauge Dräger Bodyguard® 1500 Chargair	33 64 134

### Plus lung demand valve (LDV)

Normal Demand (N)	33 50 501
Plug in (A)	33 38 700
M45 (AE)	33 38 706
ESA	33 51 302
Normal Demand (N) 1.75 m (rescue only)	33 50 606

### Lung demand valve holder

N/ESA	33 57 526
AE	33 57 528
A	33 57 527
Dräger Cylinders	on request

## Ordering Information

### Accessories

Second medium pressure combined connector	33 58 868
Secondary supply hose female	33 58 867
Secondary supply hose male	33 58 869
Automatic switch over valve (ASV)	on request
Dräger PSS® Rescue hood	33 54 982
Dräger Bodyguard® 1000	on request

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