

Dräger PSS® 5000 Compressed Air Breathing Apparatus

The Dräger PSS® 5000 SCBA is a new generation 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.



- 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® 7000



Dräger PSS 5000

Utilizing the established Dräger PSS Pneumatics and cylinder strap design, the Dräger PSS 5000 combines established technology, state-of-the-art materials and innovative thinking to create a 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 fire-fighting 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 CHOICE

To allow the breathing apparatus to be tailored to the required application,

the Dräger PSS 5000 utilizes new 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 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 comfort and function 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.



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.

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 DS and DP, it is also possible to add;

- Dräger Bodyguard 7000 electronic monitoring
- Twin cylinder configuration
- Quick-Connect (QC) cylinder connection
- Chargeair quick filling
- Secondary supply connections for rescue, decontamination and/or airline use
- PSS Merlin Modem
- PSS Rescue Hood
- And many more... (for a full list and information please refer to the Dräger CABE Family Catalogue)

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's Up Display (HUD).

Simultaneously this information can be transferred to an Entry Control Board via the PSS Merlin Modem, further enhancing firefighter and fire ground safety.

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

DRÄGER® PSS 5000

Push "in and out"
hose clips

"Slide and Lock" Harness
Connections

Central Electronics Housing

Integrated Hose Channels

Swivel and Pivot
Waist Belt

Strap Retainer

Pull Forward Waist Adjustment

D-4286-2010



**Dräger® PSS 5000
Rescue Hose Shoulder**

Left Hand Shoulder-
3358341

Right Hand Shoulder-
3358340



D-4287-2010

TECHNICAL INFORMATION

| | 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 1st Stage output pressure | 7.5 | 7.5 | 7.5 |
| 1st stage output flow (l/min) | > 1000 | > 1000 | > 1000 |
| 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 (Type2)

SELECTED ACCESSORIES/UPGRADES



ST-6168-2007

Dräger Bodyguard® 7000



ST-9475-2006

Dräger FPS® 7000



ST-9907-2006

Dräger FPS® 7000
Head-Up Display



ST-6201-2007

Dräger PSS Rescue hood



ST-606-2006

Plus LDV



ST-6165-2007

Cylinder Quick Connect



D-2504-2010

Dräger PSS Merlin Modem



ST-6183-2007

Dräger PSS® 7000
secondary supply hose



D-16516-2010

Dräger Bodyguard® 1000

ORDER INFORMATION**Dräger PSS® 5000 Compressed Air Breathing Apparatus**

| | | |
|--|--------------------------|---------|
| PSS 5000 DP Pneumatic Gauge | single cylinder strap | 3357845 |
| PSS 5000 DP Pneumatic Gauge | universal cylinder strap | 3358333 |
| PSS 5000 DP Quick Connect | single cylinder strap | 3358431 |
| PSS 5000 DP Bodyguard 7000 | single cylinder strap | 3358353 |
| PSS 5000 DP Bodyguard 7000 | universal cylinder strap | 3358355 |
| PSS 5000 DP Bodyguard 7000 QC | single cylinder strap | 3358436 |
| PSS 5000 DP Bodyguard 7000 Tally | single cylinder strap | 3358354 |
| PSS 5000 DP Bodyguard 7000 Tally | universal cylinder strap | 3358356 |
| PSS 5000 DP Bodyguard 7000 Tally Quick Connect | single cylinder strap | 3358437 |
| | | |
| PSS 5000 DS | single cylinder strap | 3357858 |
| PSS 5000 DS | universal cylinder strap | 3358338 |
| PSS 5000 DS Quick Connect | single cylinder strap | 3358428 |
| PSS 5000 DS Bodyguard 7000 | single cylinder strap | 3358349 |
| PSS 5000 DS Bodyguard 7000 | universal cylinder strap | 3358351 |
| PSS 5000 DS Bodyguard 7000 Quick Connect | single cylinder strap | 3358434 |
| PSS 5000 DS Bodyguard 7000 Tally | single cylinder strap | 3358350 |
| PSS 5000 DS Bodyguard 7000 Tally | universal cylinder strap | 3358352 |
| PSS 5000 DS Bodyguard 7000 Tally Quick Connect | single cylinder strap | 3358435 |

Selected Accessories

| | | |
|---|--|---------|
| FPS 7000 HUD Transmitter Kit 1 | | |
| consisting of pressure module and HP manifold (allows upgrade from PSS 7000 with pneumatic gauge or Bodyguard II to FPS 7000 Heads-Up-Display) n-mask display and power supply not included. | | 3356882 |
| Bodyguard 7000 Upgrade Kit (Tally) | | |
| consisting of Bodyguard 7000 display module & pressure Module including HP hose & pneumatic whistle. (Upgrade of PSS 5000 with pneumatic gauge to PSS 5000 w Bodyguard 7000, power supply not included) | | 3357098 |
| Bodyguard 7000 Upgrade Kit (Button) | | 3357101 |

Plus lung demand valve (LDV)

| | | |
|-----------------------------------|--|------------|
| Normal Demand (N) | | 3350501 |
| Plug in (A) | | 3338700 |
| M45 (AE) | | 3338706 |
| ESA | | 3351302 |
| Automatic switch over valve (ASV) | | on request |
| PSS Rescue hood | | 3354982 |

Lung demand valve holder

| | | |
|------------------|--|------------|
| N/ESA | | 3357526 |
| AE | | 3357528 |
| A | | 3357527 |
| Dräger Cylinders | | on request |

PSS Merlin Modem Kit

| | | |
|------------------------------------|--|---------|
| 2nd Supply hose - female QRC | | 3355748 |
| 2nd Supply hose - male QRC | | 3355749 |
| 2nd Supply hose (m&f couplings) | | 3356530 |
| Rescue Hose Shoulder, RH | | 3358340 |
| Rescue Hose Shoulder, LH | | 3358341 |
| Decontamination Coupling, male | | 3358504 |
| Rescue Coupling Hose, standard | | 3358503 |
| MP Combined Connector Hose - Waist | | 3358403 |
| Decontamination Hose - Waist | | 3358406 |
| Rescue Coupling Hose, Shoulder | | 3358506 |

HEADQUARTERS

Dräger Safety AG & Co. KGaA
Revalstrasse 1
23560 Lübeck, Germany

www.draeger.com

SUBSIDIARIES**AUSTRALIA**

Draeger Safety Pacific
Pty. Ltd.
Axxess Corporate Park
Unit 99, 45 Gilby Road
Mt. Waverley, Vic 3149
Tel +61 3 92 65 50 00
Fax +61 3 92 65 50 95

CANADA

Draeger Canada Ltd.
7555 Danbro Crescent
Mississauga,
Ontario L5N 6P9
Tel +1 905 821 89 88
Fax +1 905 821 25 65

P. R. CHINA

Beijing Fortune Draeger Safety
Equipment Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial Zone
Shunyi District,
Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE

Dräger Safety France SAS
3c route de la Fédération
BP 80141
67025 Strasbourg Cedex 1
Tel +33 3 88 40 59 29
Fax +33 3 88 40 76 67

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

MEXICO

Draeger Safety S.A. de C.V.
Av. Peñuelas No. 5
Bodega No. 37
Fraccionamiento Industrial
San Pedrito, Querétaro
Qro México
Tel +52 442 246-1113
Fax +52 442 246-1114

SINGAPORE

Draeger Safety Asia Pte Ltd
67 Ayer Rajah
Crescent #06-03
Singapore 139950
Tel +65 68 72 92 88
Fax +65 65 12 19 08

REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.
P.O.Box 68601
Bryanston 2021
Tel +27 11 465 99 59
Fax +27 11 465 69 53

SPAIN

Draeger Safety
Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

UNITED KINGDOM

Draeger Safety UK Ltd.
Blyth Riverside
Business Park
Blyth, Northumberland
NE24 4RG
Tel +44 1670 352 891
Fax +44 1670 356 266

USA

Draeger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 83 83
Fax +1 412 787 22 07