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.

**COMPLETE, STATE-OF-THE-ART PERSONAL SAFETY SYSTEM SOLUTION**

Highlights include:

- Height-adjustable carrying system
- Extremely durable harness materials
- Service friendly, low maintenance
- Versatile integrated hose routing
- Wide variety of system configurations and accessories
- Optional electronic monitoring with the Dräger Bodyguard 7000

- Optional Quick-Connect cylinder exchange system for rapid exchange in the field and in the workshop

**HEIGHT-ADJUSTABLE CARRYING SYSTEM**

The Dräger 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 Dräger PSS 7000 remains firmly in position regardless of the task in hand.

**MAXIMUM PERFORMANCE HARNESS MATERIAL**

The Dräger 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.
SYSTEM SOLUTIONS OF THE DRÄGER PSS® 7000

Dräger HPS 7000
Firefighter’s helmet
Easy connection of the Dräger FPS 7000 with the Q-fix Adaptor of the Dräger HPS 7000.

Dräger C-C 500 PTT
Communication System
Push-to-Talk unit for use with Dräger FPS-COM-PLUS and Dräger FPS 7000.

Dräger PSS® Rescue Hood
For rescuing colleagues and members of the public in distress.

Cylinder Quick-Connect
For quick connection and disconnection of cylinders.

Differents Options of Warning Units

Dräger Bodyguard® 7000
Electronic signal and warning unit with data logger

Dräger Bodyguard® II
Electronic signal and warning unit with data logger

Mechanical Gauge

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

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

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

Dräger Bodyguard® 7000
Electronic signal and warning unit with data logger

Dräger HPS 7000
Firefighter’s helmet
Easy connection of the Dräger FPS 7000 with the Q-fix Adaptor of the Dräger HPS 7000.

Dräger FPS 7000
Firefighter’s helmet
Easy connection of the Dräger FPS 7000 with the Q-fix Adaptor of the Dräger HPS 7000.

Dräger Compressed Air Breathing Cylinders
Wide range of fully approved cylinders and valves.

Dräger C-C 500 PTT
Communication System
Push-to-Talk unit for use with Dräger FPS-COM-PLUS and Dräger FPS 7000.

Dräger FPS 7000 Head-Up-Display (HUD)
Displays cylinder contents within the wearers field of view.

Dräger PSS® Rescue Hood
For rescuing colleagues and members of the public in distress.

Dräger Bodyguard® 7000
Electronic signal and warning unit with data logger

Dräger Bodyguard® II
Electronic signal and warning unit with data logger

Mechanical Gauge

Dräger Bodyguard® 7000
Electronic signal and warning unit with data logger

Dräger Bodyguard® II
Electronic signal and warning unit with data logger

Mechanical Gauge

Dräger PSS® Rescue Hood
For rescuing colleagues and members of the public in distress.

Dräger Bodyguard® 7000
Electronic signal and warning unit with data logger

Dräger Bodyguard® II
Electronic signal and warning unit with data logger

Mechanical Gauge
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 Dräger 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.

**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 Dräger 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 Dräger PSS 7000 to be configured to any standard. Conventional waist mounted hoses can also be fitted, making the Dräger 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 Dräger 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 Dräger 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).

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.
DRÄGER PSS® 7000

- Robust heavy duty stainless steel buckles
- Quick release mechanism on shoulder pads and waist belt
- 3 point height adjustment
- Power supply module
- Large built in carrying handles
- Sliding swivelling waist belt
- 1st stage reducer
- Dräger Bodyguard warning device
- Light weight carbon composite backplate
- Hose channels integrated into backplate
- Pressure module

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 facility
- Automatic self tests and system tests
- Data log 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 of the Dräger PSS® Merlin Modem for telemetry operation

DRÄGER PSS® 7000 Pressure 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.

High-Tech Harness

Closed, single piece harness and waist pad design to prevent excessive water absorption, reducing cleaning and drying time.
ORDERN INFORMATION

### Dräger PSS® 7000 Compressed Air Breathing Apparatus

<table>
<thead>
<tr>
<th>Description</th>
<th>Order No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dräger PSS® 7000 Pneumatic Gauge DIN Cyl. Thread connection Single Cyl. Strap</td>
<td>Dräger PSS® 7000 SCS</td>
</tr>
<tr>
<td>Dräger PSS® 7000 Bodyguard 7000 Button DIN Cyl. Thread connection Single Cyl. Strap</td>
<td>Dräger PSS® 7000 BG7000 SCS</td>
</tr>
<tr>
<td>Dräger PSS® 7000 Bodyguard 7000 Tally DIN Cyl. Thread connection Single Cyl. Strap</td>
<td>Dräger PSS® 7000 BG7000 T SCS</td>
</tr>
</tbody>
</table>

### Dräger PSS® 7000 Modular Upgrades/Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Order No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dräger FPS® 7000 HUD In-Mask display</td>
<td>33 56 555</td>
</tr>
<tr>
<td>Dräger PSS® 7000 AA battery pack (set of 5 batteries included)</td>
<td>33 56 556</td>
</tr>
<tr>
<td>Dräger PSS® 7000 Recharable battery pack</td>
<td>33 61 471</td>
</tr>
<tr>
<td>Dräger PSS® 7000 PC Link Module (incl. PC Link Software)</td>
<td>33 56 560</td>
</tr>
<tr>
<td>Dräger PSS® 7000 Personal ID Cards (pack of 10)</td>
<td>33 56 561</td>
</tr>
<tr>
<td>Second LDV connection/female decontamination hose w LF coupling</td>
<td>33 55 748</td>
</tr>
<tr>
<td>Decontamination hose male</td>
<td>33 55 749</td>
</tr>
<tr>
<td>T-Piece (for 2 x 6.8 liter 300 bar carbon composite cylinders)</td>
<td>33 37 660</td>
</tr>
<tr>
<td>Dräger PSS® 7000 2nd Supply hose (male and female couplings)</td>
<td>33 56 530</td>
</tr>
<tr>
<td>Dräger PSS® 7000 Airline Kit w ASOV (QR) Occasional Use Retaining Clip (Gauge/Bodyguard)</td>
<td>33 55 844</td>
</tr>
<tr>
<td>Waistbelt Loop</td>
<td>33 52 089</td>
</tr>
<tr>
<td>LDV Holder/Gauge/Bodyguard (push-in)</td>
<td>33 34 968</td>
</tr>
<tr>
<td>Cheststrap</td>
<td>33 39 633</td>
</tr>
<tr>
<td>Dräger PSS® Rescue Hood</td>
<td>33 39 280</td>
</tr>
<tr>
<td>BA Set Hardshell Carrying Case (orange)</td>
<td>33 35 412</td>
</tr>
<tr>
<td>BA Holdall Carrying Bag</td>
<td>33 56 473</td>
</tr>
</tbody>
</table>

### Lung Demand Valves approved for use with Dräger PSS® 7000 Compressed Air Breathing Apparatus

<table>
<thead>
<tr>
<th>Description</th>
<th>Order No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plus LDV Short Hose Push in</td>
<td>33 38 700</td>
</tr>
<tr>
<td>Plus LDV Short Hose M45</td>
<td>33 38 706</td>
</tr>
<tr>
<td>Plus LDV Short Hose M40</td>
<td>33 50 501</td>
</tr>
<tr>
<td>Plus LDV M40 1.75 m (rescue only)</td>
<td>33 50 606</td>
</tr>
</tbody>
</table>

### Plus LDVs with special polymer diaphragm for use in H₂S environments

<table>
<thead>
<tr>
<th>Description</th>
<th>Order No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plus LDV Short Hose Push in</td>
<td>33 38 967</td>
</tr>
<tr>
<td>Plus LDV Short Hose M45</td>
<td>33 38 968</td>
</tr>
<tr>
<td>Plus LDV Short Hose M40</td>
<td>33 38 969</td>
</tr>
</tbody>
</table>

SELECTED ACCESSORIES/UPGRADES

- Plus LDV
- Airline Belt manifold with ASV
- Secondary supply hose
- AA battery module
- Lithium Ion rechargeable battery
- Battery charger
## TECHNICAL DATA

<table>
<thead>
<tr>
<th>Feature</th>
<th>Dräger PSS® 7000 Pneumatic Gauge</th>
<th>Dräger PSS® 7000 Bodyguard</th>
</tr>
</thead>
<tbody>
<tr>
<td>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)</td>
<td>11.7</td>
<td>12.2</td>
</tr>
<tr>
<td>Input pressure (bar)</td>
<td>0 – 300</td>
<td>0 – 300</td>
</tr>
<tr>
<td>Normal 1st stage output pressure (bar)</td>
<td>7.5</td>
<td>7.5</td>
</tr>
<tr>
<td>1st stage output flow (l/min)</td>
<td>&gt; 1000</td>
<td>&gt; 1000</td>
</tr>
<tr>
<td>Pneumatic warning whistle activation pressure (bar)</td>
<td>&gt; 90</td>
<td>&gt; 90</td>
</tr>
<tr>
<td>Pneumatic whistle sound level (dBA)</td>
<td>&gt; 90</td>
<td>&gt; 90</td>
</tr>
<tr>
<td>ADSU Main Alarm</td>
<td>N/A</td>
<td>102 to 112 dBA measured at 250 mm</td>
</tr>
<tr>
<td>Battery (5 x AA battery pack)</td>
<td>N/A</td>
<td>&gt; 365 hrs normal use</td>
</tr>
<tr>
<td>Operating Temperature (°C)</td>
<td>30 - +60</td>
<td>30 - +60</td>
</tr>
</tbody>
</table>

### Approvals

- **Breathing Apparatus**: EN 137: 2006 Type 2, vfdb 0802
- **Intrinsic Safety**: ATEX 94/9/EC classification is 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