



# Dräger PSS AirBoss NFPA-Certified SCBA

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The Dräger PSS AirBoss with Sentinel offers best-in-class ergonomics and is one of the lightest weight breathing apparatus. Insights from firefighters, combined with the latest technological innovations, have led us to design an even safer, cleaner SCBA system that helps you to breathe more easily and for longer.

# Dräger PSS AirBoss



Three-step height adjustment ensures better fit

Cam-lock cylinder fastener quickly and securely holds the cylinder and reduces snag risk

Reflective surfaces on shoulder pads and waist pad increase firefighters' visibility

Optional multi-attachment connectors for accessory positioning reduce webbing and improves drying time when wet

Different accessory connections to fit your individual needs

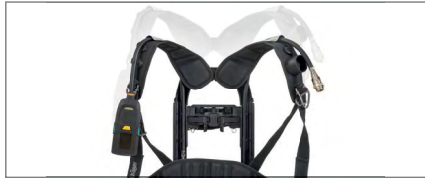
LDV available for left or right shoulder configuration

Option to attach a UEBS (Universal Emergency Breathing Safety System)

Pivoting and sliding waist belt offers natural flexibility

Dräger  
D-4021-2025

# Dräger PSS AirBoss



Height adjustments



Pivoting/sliding waist belt



Customization options include:  
1. UEBSB  
2. LDV holder  
3. Self Rescue System (not shown)



Buddy lights improve visibility and show firefighters' status:  
1. Blue: status normal  
2. Amber: pressure warning  
3. Red: alert



Quick Connect cylinder connection as standard

D-9505-2025-2nd-pi

# Benefits

## **High visibility, even in low visibility**

The Dräger PSS AirBoss features large photoluminescent and reflective surfaces that help make firefighters easier to see, whether tracking team members in dense smoke or quickly locating a firefighter in distress.

## **Visual and audible alerts when needed most**

The PSS AirBoss Sentinel integrates the Personal Alert Safety System (PASS) for increased visibility and safety. High-intensity buddy lights on both the front and back of the SCBA help crew members quickly locate and assess firefighter status. In addition to showing a firefighter's position, the buddy lights also indicate remaining cylinder pressure using color-coded lights, giving crew members critical information in real time. If a firefighter becomes motionless, reaches low air, experiences thermal stress, or triggers the manual alarm, the PSS AirBoss Sentinel emits distinctive visual and 360° audible alerts to draw immediate attention.

## **Built to withstand and support rescue**

The PSS AirBoss back frame is engineered from high-strength, carbon-infused polymer and rated for drag rescue. A grab handle can be added for firefighter extraction, and an NFPA 2500: 1983-compliant Fire Escape Belt offers additional safety and escape functionality when needed.

## **A tailored fit that works with the wearer**

The PSS AirBoss sets a new standard for fit. With three step height adjustment, a sliding waist belt that pivots as a firefighter moves, and an easily customizable harness, this unit adapts to firefighters of all shapes and sizes. The overall weight distribution helps balance the load for reduced fatigue during operations.

## **Lightweight design that truly lightens the load**

Lighter weight matters, but smarter weight distribution matters more. The PSS AirBoss uses lightweight materials and space-frame design, positioning its weight down close to the wearer's center of gravity. By reducing load on the shoulders and back, the system lowers physical strain and enhances mobility, especially in confined spaces or during low-profile movements.

## **More endurance with every breath**

Since firefighters aren't fighting their gear, less energy is required and they can breathe more efficiently. The ergonomic design of the PSS AirBoss lowers physical fatigue, which in turn prolongs air supply for more effective operations in high-stress environments.

## **Customizable layout that complements training**

The PSS AirBoss gives multiple routing options for the second-stage regulator or lung-demand valve (LDV), Sentinel gauge, and waist belt. This flexibility lets firefighters individually configure their gear exactly as trained, tapping into existing muscle memory.

## **Auto-shutoff and Quick Connect for seamless transitions**

The new PSS AirBoss LDV includes an automatic shutoff when disconnected, preventing accidental air loss during doffing. When reattaching or swapping cylinders, the Quick Connect feature drastically reduces downtime, ensuring firefighters remain ready for immediate deployment.

## **Faster cleaning, longer uptime**

The PSS AirBoss utilizes low-absorbent, liquid-repellent harness materials and a streamlined frame that minimizes dirt-catching areas, making it exceptionally easy to clean. Fully machine washable, the SCBA is backed by a Dräger-approved cleaning process under warranty, enabling rapid turnaround and maximum equipment availability.

# Benefits

## **No tools? No problem**

Regularly handled components disassemble quickly and intuitively thanks to Dräger's Plug & Play design; no tools required. Maintenance workflows are simplified, with key parts also tagged via RFID for seamless tracking and fast turnaround.

## **Flexible power options for operational readiness**

The PSS AirBoss supports dual power configurations, operating on either five standard AA batteries or a rechargeable NiMH battery pack. Charging is simple. Mount the magnetic charging cable inside the fire apparatus at the jump seat or use a desktop charger.

## **Simplified maintenance with smarter design**

The PSS AirBoss integrates RFID-tagged components, enabling technicians to efficiently manage assets and track service history. Dräger's Plug & Play design allows quick, tool-free disassembly, saving time and reducing the chance of damage.

With no mandatory overhaul required for the pressure reducer, long-term maintenance is streamlined, and the overall cost of ownership is significantly reduced.

## **Automatic event logging**

The PSS AirBoss features a built-in data logger that records everything from alerts and air pressure to battery life and key operational metrics. This valuable information can be wirelessly transferred to a PC using Dräger's PC Link software. Once downloaded, the data supports post-incident debriefs, maintenance checks, and compliance tracking.

## **Ready for today, built for tomorrow**

The PSS AirBoss Sentinel doesn't just deliver today's essentials; it's engineered to grow with tomorrow's technology. Equipped with Bluetooth as well as additional sensors and communication interfaces, it lays the groundwork for seamless integration of future Dräger innovations. Whether it's enhanced environmental monitoring, new telemetry tools, or expanded connectivity modules, the SCBA is already primed for upgrades. This isn't just a tool for now; it's a foundation for evolving, mission-critical capability.

# System Components

D-1756-2019



## Dräger FPS 7000

Firefighting requires working under hazardous conditions with poor visibility. Designed to offer optimal visibility, the Dräger FPS 7000 full-face mask sets new standards in terms of personal safety, protection and comfort. The popularity of this SCBA mask is due to its large, unobstructed field of vision and its very comfortable and secure fit, while reducing or eliminating fogging during use.

D-15946-2025



## Dräger FPS HUD AirBoss

One of the many benefits of the FPS 7000 full-face mask is the Head-Up Display (HUD). Always within the field of view, the HUD display allows easy monitoring of cylinder contents without any manual action by the wearer.

D-15949-2025



## Dräger Air Lung Demand Valve (LDV)

Suitable for the most extreme applications whenever breathing apparatus has to be worn, the compact and robust Dräger Air LDV delivers excellent pneumatic performance and consistently provides the air you need.

ST-9303-2007



## Dräger Carbon Composite SCBA Cylinders

Made of proven aircraft-grade materials and fabricated using processes that far exceed industry norms, Dräger's line of robust cylinders offers a choice of capacities and pressures. Dräger also offers several colors, along with the ability to customize each cylinder with the logo of a fire department or jurisdiction.

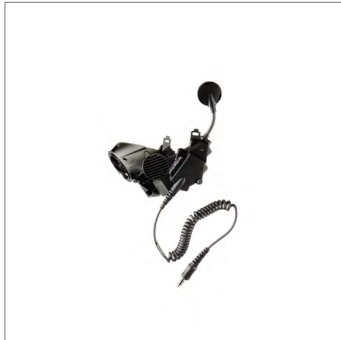
# Accessories



D-25025-2010

## PSS AirBoss UEBSS

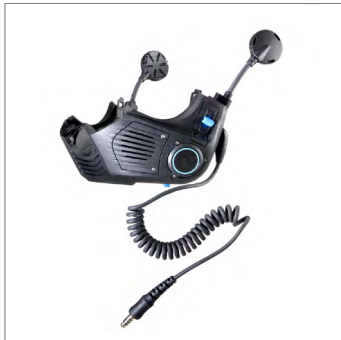
The Buddy Breather, also known as the Universal Emergency Breathing Supply System (UEBSS), enables two firefighters to share a single source of air. The UEBSS is a standardized connection specified by NFPA, allowing interoperability between different manufacturers and models of SCBAs.



D-8585-2016

## Dräger FPS-COM 5000

In an emergency, there is no time for misunderstanding. That's why Dräger developed the FPS-COM 5000 communication unit for NFPA-Certified SCBAs. Designed to connect seamlessly to the Dräger FPS 7000 full-face mask, this proven communication unit ensures clear communication through either a tactical voice amplifier or a radio – even in extreme conditions.



D-996-2024

## Dräger FPS-COM 7000

The Dräger FPS-COM 7000 provides standalone, hands-free communication along with optional connection to tactical radios. Voice activated, the FPS-COM 7000 provides full-duplex communication on one of ten user-selected channels. Up to 10 users per channel can be connected without using a tactical radio, which is ideal for special operations such as hazardous materials response teams.



D-9339-2014

## Dräger C-C440

Communications control unit with a large Push-To-Talk button for easy handling of the radio transmitter. Tough and robust design that is waterproof (IP67) in extreme environments (MIL-STD-810G). ATEX versions are available.

# Accessories

D-9343-2014



## Dräger C-C550

This microphone/loudspeaker communications control unit connects standard tactical radios to the FPS-COM 5000 and 7000 communication units and can also be used independently. For ease of use, the C-C550 includes two large push-to-talk buttons and a switch to transfer incoming signals to the speaker.

D-15945-2025



## PSS AirBoss Clip Charger

For quick and easy charging of the Dräger PSS AirBoss Connect, PSS AirBoss with Sentinel, FireGround HUB and FireGround Repeater. The battery remains in the unit during charging and does not need to be removed.

D-3045-2024



## PSS AirBoss 5-Way Desktop Charger

The Desktop Charger can charge up to 5 batteries at the same time. The unit performs health checks on the battery to ensure it is operating at the right level. Only one charging infrastructure is required for the Dräger PSS AirBoss Connect, FireGround HUB and FireGround Repeater.

ST-1274-2008



## Dräger SCBA Storage Case

This durable case stores all SCBA components and accessories, while protecting them from the environment.

# Technical Data

Weight of complete PSS AirBoss with LDV and batteries	13.9 lbs (6.3 kg)
Input pressure (psi)	Low Pressure 2216 psi High Pressure 4500 psi
Normal 1 <sup>st</sup> stage output pressure	108 psi to 130 psi
1 <sup>st</sup> stage output flow (l/min)	> 1,000
2 <sup>nd</sup> stage (LDV) output flow (l/min)	> 500
Pneumatic warning whistle activation pressure	Low-pressure (nominal) 710 to 798 psi High-pressure (nominal) 1305 to 1485 psi
Pneumatic whistle sound level (dBA)	> 90 dBA
PASS main alarm	> 90 dBA
Battery	5 x AA Alkaline Battery Pack (Primary) 1 x AA Lithium Battery (Backup) Optional NiMh Rechargeable Battery Pack (Primary)

## Approvals

SCBA	NFPA 1970 (1981 & 1982), 2025 Edition NIOSH Part 84 CBRN
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# Ordering Information

<b>Dräger PSS AirBoss Sentinel</b>	<b>Order Number</b>
PSS AirBoss Sentinel HP QC MAP (LHS)	3742782
PSS AirBoss Sentinel HP QC WW (RHS)	3742783
PSS AirBoss Sentinel HP QC WW (LHS)	3742705
PSS AirBoss Sentinel HP QC WW UEBSS (LHS)	3742706
PSS AirBoss Configurator	3739476

Other Dräger PSS AirBoss Configurations are available upon request, eg. SRS (Self Rescue System), UEBSS, Pouches, etc.

LHS - Left Hand Shoulder  
RHS - Right Hand Shoulder  
MAP - Multi Attachment Point (waist belt)  
WW - Webbing Waist belt

<b>Accessories</b>	
PSS Air LDV (RHS)	3731286
PSS Air LDV (LHS)	3720629
FPS 7000 PX-EPDM-S1-APECas-H (US)	3730014
FPS 7000 PX-EPDM-M2-APECas-H (US)	R63091
FPS 7000 PX-EPDM-L3-APECas-H (US)	R63092
FPS HUD AirBoss	3715709
UEBSS Pouch	3367467
PSS AirBoss UEBSS	3731158
PSS AirBoss 5-Way Desktop Charger	3723650
PSS AirBoss Clip Charger (Requires 3354574)	3711536
Vehicle Socket Charge Cable	3354574
PSS AirBoss Rechargeable Battery Pack	3708123
Communication Units	on request
Cylinders	on request

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