



# Dräger PSS AirBoss Breathing Apparatus

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The Dräger PSS AirBoss offers best in class ergonomics and is one of the lightest weight breathing apparatus for firefighting. Lessons learned from firefighters around the world as well as latest innovations in technology have led us to design an even safer and cleaner SCBA system that enables you to breathe more easily and for longer.

# Dräger PSS AirBoss

Three step height adjustment ensures better fit (optional)

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

Multi attachment connectors for accessory positioning reduces webbing and improves drying time when wet

Different accessory connections to fit your individual needs

Available with three different monitoring systems

Pivoting, sliding and tilting waist belt offers natural flexibility (optional)



# Dräger PSS AirBoss

## PSS AirBoss Active/Extend/Connect



Height adjustments (optional)



Pivoting, sliding and tilting waist belt (optional)



Multi attachment points for accessory fitment



Buddy lights improve visibility and show firefighters' status:  
1. blue: status normal  
2. amber: pressure warning  
3. red: alert



1. Standard thread connection for single cylinder  
2. Quick Connect for single cylinder  
3. T-piece arrangement for dual cylinders

# Benefits

## Built to move

Experience unmatched comfort and performance with the Dräger PSS AirBoss. Benefit from a height-adjustable ergonomic harness and a waist belt that adapts as you stretch. Designed to reduce physical strain, this SCBA system features a lightweight space frame, with hose channels for customisable routing of the LDV, pressure gauge and rescue hoses. Its optimal weight distribution makes it easier for you to move through confined spaces. Our Quick Connect option allows for rapid cylinder changeouts, whilst a universal cylinder strap can be easily adjusted to securely accommodate single or twin cylinder configurations. Whether on a short call or extended operation, the PSS AirBoss keeps you moving with less fatigue and lower air consumption.

## Visibility that protects

Built for visibility and rapid response, the PSS AirBoss utilises high-visibility, photoluminescent, and reflective surfaces to make it easier to locate team members in low-light or high-stress environments. The addition of a Personal Alert Safety System (PASS) gives even greater protection. It activates automatically when the cylinder opens, ensuring it's never overlooked. With its colour-coded BuddyLights to the front and rear, the PASS system alerts others with visual and audible signals when a firefighter is motionless, low on air, under thermal stress, or in distress. Integrated grab handles support fast and safe firefighter rescue. Furthermore, an in-mask display featuring Bluetooth technology offers real-time air status—hands-free and always visible (optional for PSS AirBoss Extend and Connect).

## Automatic accountability system

Stay in control with Dräger FireGround—our automatic accountability system which gives incident commanders (IC) real-time visibility of every SCBA wearer on the scene. The system offers ICs an additional, non-verbal way to communicate with their team. The PSS AirBoss Connect includes a built-in radio for data transmission, linking each wearer to Dräger FireGround. For more detailed information, please refer to our Dräger FireGround brochure.

## Data logging and future ready

The PSS AirBoss PASS devices come with a data logger that automatically records alerts, air pressure, battery status, and other vital information. This data, together with the entry control officer's notes and other details, is logged in Dräger FireGround. This multi-stage data logging makes it easy to record and access post-incident reviews in any situation. To stay future ready, PSS AirBoss Connect and Extend feature Bluetooth® for compatibility with upcoming Dräger innovations.

1 Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

## Easy to clean

The PSS AirBoss features low-absorbent, liquid-repellent harness materials that reduce contamination. Its streamlined design minimises dirt traps, making the SCBA easy to clean. Furthermore, the entire SCBA is machine washable, and Dräger's cleaning process is covered by their warranty. This means significantly less equipment downtime for you.

# Benefits

## Simplified processes

Managing safety equipment should not add complexity to your day. That is why we built a digital experience that puts control back in your hands. With RAM Link you receive automated notifications on your smartphone whenever a device requires an update, allowing you to perform these updates or configure your devices wirelessly– with or without an internet connection. Additionally, all key components feature RFID tags for streamlined asset management and quick turnarounds, whilst the Plug & Play design allows tool-free disassembly in seconds. Before operations, the PSS AirBoss Extend and PSS AirBoss Connect include built-in electronic high-pressure leak testing – ensuring operational readiness whilst reducing air consumption during daily checks.

## Flexible battery logistics

Depending on your choice of PASS device, the PSS AirBoss is powered by either primary power cells or rechargeable batteries. In stand-alone mode, primary power cells last up to one year, depending on use case, and should be replaced during the annual SCBA test. When using telemetry, Dräger recommends rechargeable batteries. These can be charged while the SCBA is mounted inside the fire engine or separately in a desktop charger.

## Versatile configurations

The PSS AirBoss is available in three configurations, each tailored to meet different operational needs:

- PSS AirBoss Active, equipped with a mechanical gauge, gives you the lowest weight and simplicity.
- PSS AirBoss Extend features an integrated PASS device for enhanced safety and alert capabilities.
- PSS AirBoss Connect offers advanced sensors, 360-degree buddy lights and full compatibility with Dräger FireGround, delivering maximum situational awareness and connectivity.

## We connect people care and planet care

Together we can set the course for a sustainable future today. With our customers, our employees, our suppliers and our business partners, we ensure that people live in a healthier, safer and more environmentally friendly world today and tomorrow. Our solutions protect life - connected with the goal of conserving our planet's natural resources. We are concentrating our efforts on Environment & Society, Customers & Products and Company & Employees, with our goal to continue improving in these areas. Without social and environmental sustainability throughout all aspects of our supply chains, we are certain that no lasting economic progress will be achieved – and vice versa.

# Details



D-1841-2025

Dräger PSS AirBoss Active

- mechanical gauge
- lowest weight



D-9514-2025

Dräger PSS AirBoss Extend

- transmitting mechanical gauge
- auto-activated PASS device (coming soon)



D-1837-2025

Dräger PSS AirBoss Connect

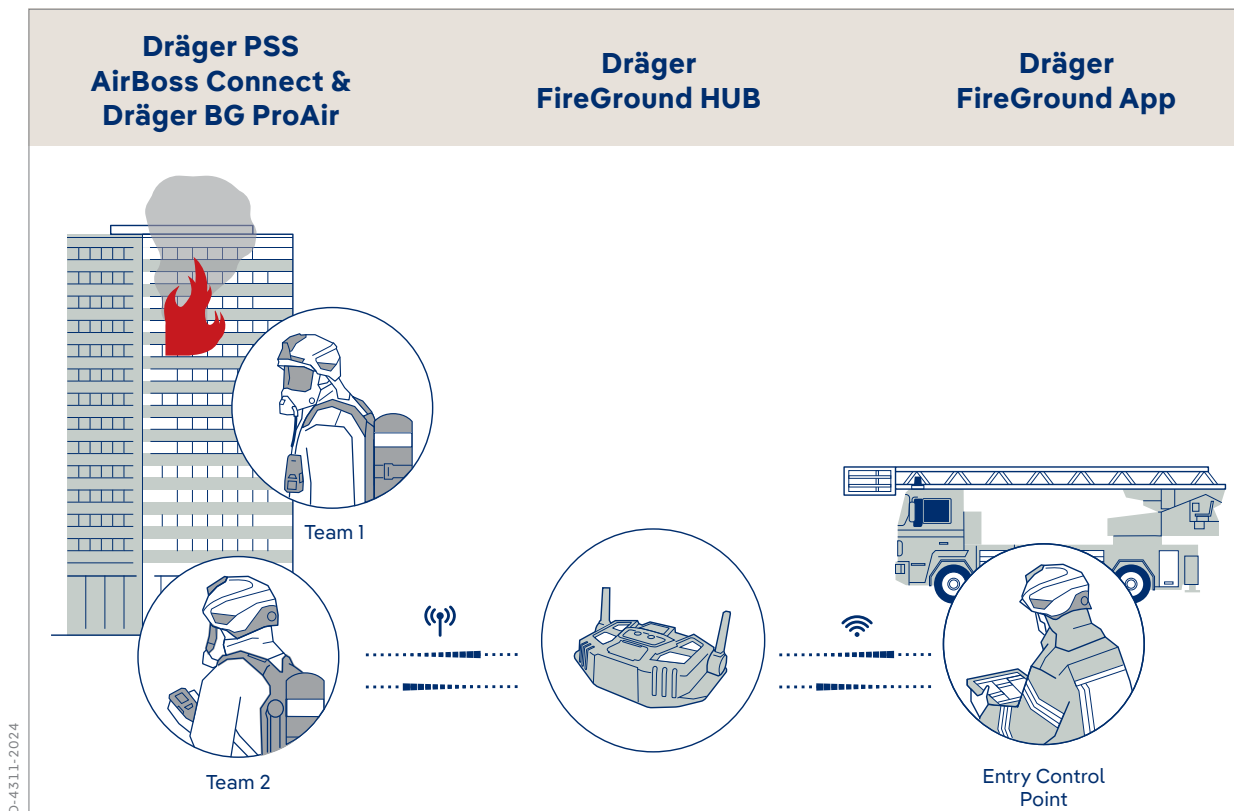
- digital gauge
- auto-activated PASS device
- Telemetry with Dräger FireGround

## Monitoring System

Features	PSS AirBoss Active	PSS AirBoss Extend	PSS AirBoss Connect
Mechanical gauge	✓	✓ (transmitting function)	-
Digital gauge	-	-	✓
High visibility surfaces	✓	✓	✓
Pivoting & Sliding waist belt	✓	✓	✓
Non-absorbent, anti-slide harness	✓	✓	✓
Quick-Connect (option)	✓	✓	✓
Machine washable	✓	✓	✓
RFID tracking	✓	✓	✓
Low pressure warning whistle	✓	✓	✓
Auto-activated PASS	-	✓	✓
Thermal alert	-	✓	✓
Electronic sounders	-	✓	✓
Buddy lights and alert LEDs in the front	-	✓	✓
Data Logger	-	✓	✓
Maintenance mode	-	✓	✓
In-mask integrated solution (option)	-	-	✓
Re-chargeable battery (option)	-	-	✓
Time to retreat calculation	-	-	✓
Buddy lights and alert LEDs in the back	-	-	✓
Buddy lights indicating remaining cylinder pressure	-	✓	✓
Electronic high pressure leak test	-	✓	✓
Compatible to automatic accountability system FireGround	-	-	✓
Bluetooth® connectivity for future innovations	-	✓	✓

PSS-Airboss-Infografik-1st-en-master

## Dräger FireGround Accountability System



Remote Monitoring: In addition, an optional Dräger FireGround Web enables workshop, management and command staff to utilise the data created on scene wherever they are.

## System Components



### Dräger FPS 7000

The Dräger FPS 7000 full face mask series is characterised by a high degree of safety and optimum wearing comfort. Thanks to its proven design and the different sizes, it offers a tight and comfortable fit. The combination of the mask shape with the geometry of the visor offers you a large field of vision.

# System Components

D-3973-2025



## Dräger FPS IMD

The Dräger FPS in-mask Display (FPS IMD), integrated into the Dräger FPS 7000 full-face mask, significantly enhances situational awareness of SCBA wearers. In combination with the PSS AirBoss Connect, it provides real-time pressure data and alert messages directly in the user's field of vision. The hands-free design allows the wearer to concentrate on critical tasks in the field, as all relevant data is always in view. This innovative system helps improve safety and efficiency in demanding operational situations.

D-2350-2024



## Dräger PSS Lung Demand Valve (LDV)

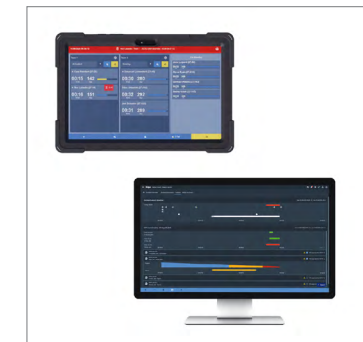
Suitable for the most extreme applications whenever breathing apparatus has to be worn: with its compact and robust design, and excellent pneumatic performance, the Dräger PSS Lung Demand Valve (LDV) will always deliver the air that you need.

D-36356-2021



## Dräger Compressed Air Breathing Cylinders

Designed using leading technology and advanced materials, you can use our Dräger compressed air cylinders in any application where breathing protection is needed. We offer you a broad range, from carbon composite to steel cylinders. You especially benefit from their lightweight and Non-Limited Life (NLL) performance.



## Dräger FireGround

The incident commander needs live information from all SCBA wearers at all entry points and to know they are accounted for in any scenario. The Dräger FireGround Accountability System accomplishes this in a rapidly deployable mode, minimises the need for voice communication via radio and allows remote monitoring with incident reporting.

# Accessories

D-996-2024



## Dräger FPS-COM 7000

The Dräger FPS-COM 7000 provides hands-free communication for all wearers of respiratory protection devices during a mission. Excellent voice quality is achieved by removing interfering noises.

D-5723-2025



## Dräger FPS-Com Voice

The Dräger FPS-Com Voice mask-integrated communication unit significantly improves voice communication when using a breathing apparatus, thanks to its optimised voice capture and output. The communication unit is simple to use, easy to retrofit on the mask, and completely maintenance-free.

D-42499-2015



## Dräger PARAT 5550

The Dräger PARAT 5550 is a fire escape hood packaged in a flame-retardant holster. It was specifically developed for fire rescue teams for use in victim rescue. The main advantage: The PARAT 5550 is system-approved together with Dräger breathing apparatuses according to EN 137:2006, Type 2.

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.

# Accessories

ST-6183-2007



## Secondary Supply Hose

The Dräger PSS AirBoss can be equipped with a range of secondary supply hoses for shoulder or waist mounting. This conveniently allows firefighters to connect to airlines, supply breathing air to each other and victims.

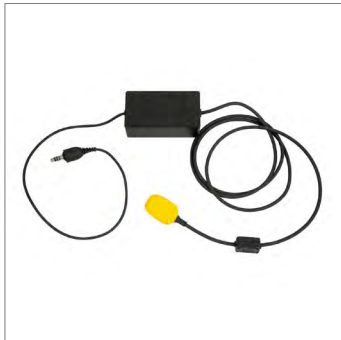
D-31788-2015



## 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, PSS 7000 and PSS AirBoss SCBA to safely anchor the wearer, without the need for an additional belt.

D-15945-2025



## Dräger PSS AirBoss Clip Charger

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

D-3045-2024



## Dräger 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 Dräger PSS AirBoss Connect, FireGround HUB and FireGround Repeater.

# Technical Data

	<b>Dräger PSS AirBoss Active</b>	<b>Dräger PSS AirBoss Extend</b>	<b>Dräger PSS AirBoss Connect</b>
Weight of complete set with Dräger FPS 7000 face mask, lung demand valve and 6.8 litre Dräger NANO cylinder	10.60 kg	10.99 kg	11.29 kg (includes AA battery pack)
Input pressure (bar)	0 – 300 bar	0 – 300	0 – 300
Normal 1st stage output pressure	7.5	7.5	7.5
1st stage output flow (l/min)	> 1,000	> 1,000	> 1,000
Pneumatic warning whistle activation pressure	50 – 60	50 – 60	50 – 60
Pneumatic whistle sound Level (dBA)	> 90	> 90	> 90
PASS main alarm	N/A	In the range 102 LAeq (30s) dB(A) and 112 LAeq (30s) dB(A) as per requirements of BS10999:2010	102 to 112 dB(A) measured at 250 mm (JCDD 38 revision)
Battery	N/A	3 x AA Lithium batteries	5 x AA Alkaline battery pack NiMh rechargeable battery pack
Telemetry radio frequency	N/A	N/A	EU 869 MHz / UK 469 MHz
Operating Temperature °C	-30 °C to +60 °C	-30 °C to +60 °C	-30 °C to +60 °C
<b>Approvals</b>	<b>Dräger PSS AirBoss Active</b>	<b>Dräger PSS AirBoss Extend*</b>	<b>Dräger PSS AirBoss Connect</b>
Breathing Apparatus	EN137:2006 Type 2 BS-8468-1:2006 (CBRN-Standard)	EN137:2006 Type 2 BS-8468-1:2006 (CBRN-Standard)	EN137:2006 Type 2 BS-8468-1:2006 (CBRN-Standard)
Intrinsic safety of electronic monitoring system	N/A	ATEX 2014/34/EU Ex II 1G Ex ia IIC T4 Ga Ex II 1D Ex ia IIIB T135 °C Da Ex I M1 Ex ia I Ma (-30°C ≤ Ta ≤ +60°C)	ATEX 2014/34/EU Ex II 1G Ex ia IIC T4 Ga Ex II 1D Ex ia IIIB T135 °C Da Ex I M1 Ex ia I Ma (-30°C ≤ Ta ≤ +60°C)
Electromagnetic Compatibility	N/A	BS EN 61326-1	BS EN 61326-1
Marine Equipment Directive EN	MED	MED	MED
Safety of Life at Sea international	SOLAS	SOLAS	SOLAS
Breathing hose	EN14593	EN14593	EN14593

The above ATEX classifications for Dräger PSS AirBoss are limited to certain breathing apparatus configurations only and there are exceptions to the categories. Please consult Dräger for details.

\* Approval pending

# Ordering Information

<b>Dräger PSS AirBoss Active</b> with mechanical gauge	<b>Order Number</b>
Configurator	3737670
PASS device (Dräger Bodyguard 1000)	upon request
<b>Dräger PSS AirBoss Extend</b> mechanical gauge with integrated PASS device	
Configurator	3743516
<b>Dräger PSS AirBoss Connect</b> digital gauge with integrated PASS device	
Configurator	3739683
Dräger PSS AirBoss is optional available with: webbing waist pad, ChargAir, integrated Dräger PSS Safety Belt, high-adjustment, single cylinder strap, twin cylinder strap, standard cylinder connection or quick connect.	

<b>Carrying System Upgrade Kits</b>	<b>Belt Type</b>	<b>Cylinder Strap</b>	<b>Backplate</b>	<b>Order Number</b>
Dräger PSS AirBoss Upgrade Kit	WW	TCS	NHA	3721936
Dräger PSS AirBoss Upgrade Kit	W/MAP	TCS	NHA	3721937
Dräger PSS AirBoss Upgrade Kit	WW	SCS	NHA	3721938
Dräger PSS AirBoss Upgrade Kit	W/MAP	SCS	NHA	3721939
Dräger PSS AirBoss Upgrade Kit	WW	TCS	HA	3721940
Dräger PSS AirBoss Upgrade Kit	W/MAP	TCS	HA	3721941
Dräger PSS AirBoss Upgrade Kit	WW	SCS	HA	3721942
Dräger PSS AirBoss Upgrade Kit	W/MAP	SCS	HA	3721943
Dräger PSS AirBoss Spare Backplate assembly			NHA	3721944
Dräger PSS AirBoss Spare Backplate assembly			HA	3721945

<b>Pneumatic Upgrade Kits</b>	<b>Frequency</b>	<b>Connection</b>	<b>Order Number</b>
Dräger PSS AirBoss Active Upgrade Kit	-	G5/8 DIN	3744413
Dräger PSS AirBoss Active Upgrade Kit	-	QC	3744414
Dräger PSS AirBoss Connect Upgrade Kit	869 MHz	G5/8 DIN	3744415
Dräger PSS AirBoss Connect Upgrade Kit	869 MHz	QC	3744416
Dräger PSS AirBoss Connect Upgrade Kit	469 MHz	G5/8 DIN	3744417
Dräger PSS AirBoss Connect Upgrade Kit	469 MHz	QC	3744418

<b>Accessories</b>	<b>Order Number</b>
PSS AirBoss 5 Way Desktop Charger	3723650
PSS AirBoss Clip Charger	3711536

# Ordering Information

G5/8 = DIN cylinder thread connection

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QC = cylinder quick connect

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WW = webbing waist pad

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W/MAP = multi attachment waist pad, with pivoting and sliding waist belt (standard / default version)

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HA = height adjustable backplate

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NHA = non height adjustable backplate, with pivoting waist belt

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SCS = single cylinder strap

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TCS = twin or universal cylinder strap

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