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Dräger PSS AirBoss Breathing Apparatus

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

Technology for Life

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

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 and sliding waist belt offers natural flexibility



D-1843-2025

Dräger PSS AirBoss

PSS AirBoss Active/Agile/Connect



Height adjustments



Pivoting/sliding waist belt

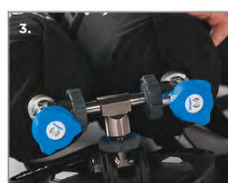


Multi attachment points
for accessory fitment



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

USABILITY

Excellent fit

The Dräger PSS AirBoss ergonomics significantly reduce the physical strain associated with carrying SCBAs. Some key features include height-adjustment, a pivoting and sliding waist belt, and an easily adjustable harness to fit every shape and size of firefighter. The durable space frame design offers you a low weight and low profile all the while maintaining the SCBA's centre of gravity in an optimum position for greater weight distribution.

Due to its low weight and class leading ergonomics, you benefit from reduced stress and fatigue which leads to lower air consumption. Moreover, the PSS AirBoss offers different routing options for the LDV, gauge, and rescue hoses over each shoulder and waist belt to provide you with your preferred fit. The easy to connect reducer handwheel simplifies cylinder removal and fitting. A cylinder Quick Connect option further shortens the time for cylinder changeouts. Our universal cylinder strap allows single or twin cylinder configurations. For a fast cylinder exchange, we developed a new universal cylinder strap and buckle which also keeps your SCBA in a secure position. This conveniently offers you the option of single and twin cylinders using a single system for extended duration operations.

SAFETY +

Enhanced safety

The PSS AirBoss comes with large high-visibility, photoluminescent and reflective surfaces, thus increasing firefighters' visibility as well as making it easier to locate team members in distress. When you equip the PSS AirBoss with a Personal Alert Safety System (PASS), it further increases this effect. It positions buddy lights at the front and back of the SCBA. Furthermore, the PASS draws attention to firefighters in distress by generating distinctive visual and acoustic alert signals – when motionless, when reaching low-air, experiencing high thermal stress or activating the manual distress signal.

As well as the wearer's position, the buddy lights can also indicate the remaining pressure of the air cylinder by emitting different colours, giving team members critical information at a glance. The PASS' automatic switch on feature activates upon cylinder opening – so its activation cannot be forgotten.

In addition, the PSS AirBoss is equipped with grab handles for firefighter extraction and rescue.

The PSS AirBoss Agile and Connect can additionally be equipped with an in-mask integrated solution. Always within the field of view – a display gives firefighters continuous hands-free information of air consumption, therefore enabling them to have an uninterrupted operation.

Benefits

CONNECTIVITY

Automatic Accountability System

Our state-of-the-art automatic accountability system, Dräger FireGround, supplies the incident commanders (IC) with live information from SCBA wearers –making sure that all SCBA wearers are accounted for at every incident.

The Dräger FireGround gives ICs, an additional, non-verbal means of communication with their team. The PSS AirBoss Connect can be equipped with a built-in radio for data transmission – connecting each wearer to the Dräger FireGround. To find more detailed information about our automatic accountability system, please see our separate Dräger FireGround brochure or the infographic below.

Data logging

The PSS AirBoss PASS devices are equipped with a data logger that automatically logs alerts, air pressure, battery status and other vital information. Furthermore, this data as well as the entry control officer's notes and other information are logged in the Dräger FireGround. This multi-stage data logging makes it simple for you to record and access post incident reviews in all circumstances.

Bluetooth capability

Driven by forward-thinking technology, we have engineered the PSS AirBoss Connect with a Bluetooth interface, in order to ensure that the foundations are set for future compatibility to upcoming Dräger innovations.

SERVICEABILITY

Easy to clean

The PSS AirBoss uses low-absorbent and liquid repellent harness materials which take on less contaminants. Its overall streamlined design minimises dirt traps – making the SCBA extremely easy to clean. Furthermore, the complete SCBA is machine washable, and the Dräger cleaning process is backed up by Dräger's warranty. For you it means a significant decrease in equipment downtime.

Simplified processes

All key components are equipped with RFID tags to help the workshop technician maintain asset management and support quick turnarounds. The key components of the PSS AirBoss are quickly and easily disassembled for service without the need to use tools thanks to its Plug & Play design. To save you time prior to operations, PSS AirBoss Connect includes a new electronic high-pressure leak test that ensures operational readiness and reduces air consumption during daily checks.

Flexible battery logistics

Depending on the type of PASS device you choose to add, the PSS AirBoss is powered by primary power cells or rechargeable batteries. In stand-alone operation, the primary power cells have a one-year lifetime and should be exchanged with every annual SCBA test. When the SCBA is used with telemetry, Dräger recommends using rechargeable batteries. The rechargeable batteries can be charged while the SCBA is mounted inside the fire engine or separately in a desk-top charger.

CONFIGURATIONS

The PSS AirBoss is available in three standard configurations.

- PSS AirBoss Active, with a mechanical gauge, gives you the lowest weight and simplicity.
- PSS AirBoss Agile, with an integrated PASS device, offers you increased safety features.
- PSS AirBoss Connect, with advanced sensors and compatibility with Dräger FireGround, offers you maximum situational awareness.

Details

D-1841-2025



Dräger PSS AirBoss Active

- mechanical gauge
- lowest weight

D-5730-2025



Dräger PSS AirBoss Agile

- mechanical gauge with transmitting function
- auto-activated PASS device

D-1837-2025



Dräger PSS AirBoss Connect

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

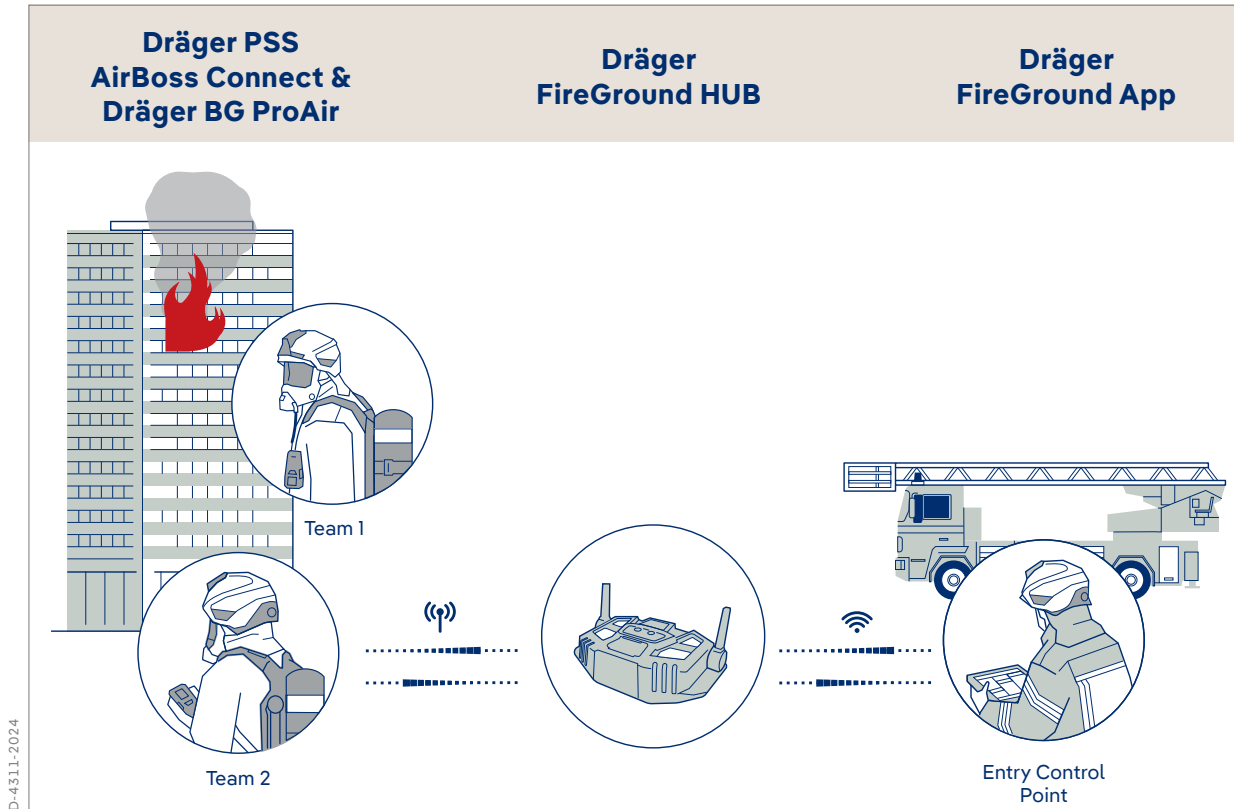
Monitoring System

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

| Features | PSS AirBoss Active | PSS AirBoss Agile | 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 | – | ✓ | – |
| 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 | – | – | ✓ |

*coming soon

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

D-4985-2024



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.

D-8700-2019



Dräger FPS-COM 5000

Because there is no time for misunderstandings in an emergency: The Dräger FPS-COM 5000 communication unit has been specifically developed for the full face mask Dräger FPS 7000 and ensures clear communication through a voice amplifier unit or radio device – even under extreme conditions.

D-963-2024



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-9964-2024



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-5014-2024

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.



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



Dräger FPS 7000 Head-Up-Display (HUD)

One of the many benefits of the FPS 7000 full face mask 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.



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.



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.



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.

Accessories



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 Dräger PSS AirBoss Connect, FireGround HUB and FireGround Repeater.

Technical Data

| | Dräger PSS AirBoss Active | Dräger PSS AirBoss Agile | Dräger PSS AirBoss Connect |
|---|---------------------------|--|--|
| Weight of complete set with Dräger FPS 7000 face mask, lung demand valve and 6.8 litre Dräger NANO cylinder | 10.2 kg | 10.5 kg 10.7 kg with PASS device | 10.5 kg |
| 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 | 2 x CR123 lithium – Bodyguard 1500, 2 x CR123 lithium – TX Gauge | 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 |

Approvals

| | | | |
|--|--|---|---|
| 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 94/9/EC classification is I M1/II 1G IIC T6 I M1/II 1GD EEx ia I/IIC T4 (Ta = -30 °C to +60 °C)* | ATEX 94/9/EC classification is I M1/II 1G IIC T6 I M1/II 1GD EEx ia I/IIC T4 (Ta = -30 °C to +60 °C)* |
| Electromagnetic Compatibility | N/A | | EN 61000-6-2 |
| Radiation Emissions | | | EN 50081-1 |

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.

* based upon 2 x 30 minute uses per day, 12 months between battery change

Ordering Information

| Dräger PSS AirBoss Active with mechanical gauge | Belt Type | Cylinder Connection | Cylinder Strap | Backplate | Order Number |
|--|-----------|------------------------|----------------|-----------|--------------|
| | W/MAP | G5/8 | SCS | NHA | 3716228 |
| | | | | HA | 3709501 |
| | | | TCS | NHA | 3716229 |
| | | | | HA | 3709502 |
| | | QC | SCS | NHA | 3716234 |
| | | | | HA | 3716226 |
| Configurator | | | | | 3712921 |
| PASS device (Dräger Bodyguard 1000) | | | | | upon request |

| Dräger PSS AirBoss Agile with mechanical/ transmitting gauge | Belt Type | Cylinder Connection | Cylinder Strap | Backplate | Order Number |
|--|-----------|------------------------|----------------|-----------|--------------|
| | W/MAP | G5/8 | SCS | NHA | 3716230 |
| | | | | HA | 3709503 |
| | | | TCS | FHA | 3716231 |
| | | | | HA | 3709504 |
| | | QC | TCS | NHA | 3723408 |
| | | | | HA | 3716227 |
| Configurator | | | | | 3712922 |
| PASS device (Dräger Bodyguard 1500) | | | | | upon request |

| Dräger PSS AirBoss Connect with digital gauge | Belt Type | Cylinder Connection | Cylinder Strap | Backplate | Order Number |
|--|-----------|------------------------|----------------|-----------|--------------|
| (EU 869 MHz) | W/MAP | G5/8 | SCS | NHA | 3721876 |
| | | | | HA | 3721353 |
| | | | TCS | FHA | 3723126 |
| | | | | HA | 3721354 |
| | | QC | TCS | NHA | 3721877 |
| | | | | HA | 3721398 |
| (UK 469 MHz) | W/MAP | G5/8 | SCS | NHA | 3723120 |
| | | | | HA | 3721350 |
| | | | TCS | NHA | 3723122 |
| | | | | HA | 3721352 |
| | | QC | TCS | NHA | 3723123 |
| | | | | HA | 3721396 |
| Configurator | | | | | 3712923 |
| other Dräger PSS AirBoss options available upon request with: webbing waist pad, ChargAir, integrated Dräger PSS Safety Belt | | | | | |

Ordering Information

| Carrying System Upgrade Kits | Belt Type | Cylinder Strap | Backplate | Order Number |
|---|-----------|----------------|-----------|--------------|
| 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 |

| Accessories | Part Number |
|-----------------------------------|-------------|
| PSS AirBoss 5 Way Desktop Charger | 3723650 |
| PSS AirBoss Clip Charger | 3711536 |

G5/8 = DIN cylinder thread connection

QC = cylinder quick connect

WW = webbing waist pad

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

HA = height adjustable backplate

NHA = non height adjustable backplate, with pivoting waist belt

SCS = single cylinder strap

TCS = twin or universal cylinder strap

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