

► PSS AirBoss

Self-contained breathing apparatus for firefighters



Technical specifications

► PSS Airboss Active, Agile & Connect

Weight of the complete kit with Dräger FPS® 7000 mask, demand valve and 6.8 liter Dräger NANO cylinder: 10.5 kg

Inlet pressure: 0 - 300 bar

Regulator outlet pressure rating: 7.5 bar

Regulator outlet flow rate: > 1000 l/min

Activation pressure of the pneumatic alarm: 50 - 60 bar

Sound level of the pneumatic alarm: > 90 dBA

Operating temperature: - 30 °C to +60 °C

Certifications: NF EN137:2006 Type 2, BS-8468-1:2006 (CBRN standard)

► PSS Airboss Agile

Battery: 2 x CR123 lithium batteries / Bodyguard 1500: 2 x CR123 lithium batteries / Tx gauge

Intrinsic safety of the electronic monitoring system:

ATEX 94/9/EC M1/II 1G IIC T6 | M1/II 1GD

EEx ia I/IIC T4 (Ta = -30 °C to +60 °C)

► PSS AirBoss Connect

Battery: 5 x AA alkaline batteries Rechargeable NiMh battery pack

Intrinsic safety of the electronic monitoring system:

ATEX 94/9/CE M1/II 1G IIC T6 | M1/II 1GD

EEx ia I/IIC T4 (Ta = -30 °C to +60 °C)

Telemetry radio frequency: EU 869 MHz / UK 469 MHz

Electromagnetic compatibility: NF EN 61000-6-2

Radiation emissions: NF EN 50081-1

Product description

The ergonomic design of the **PSS AirBoss self-contained breathing apparatus for firefighter** significantly reduces the physical fatigue associated with wearing SCBAs. Key features include height adjustment, a pivoting and sliding waist belt and an easily adjustable harness to fit any size user. Its durable construction offers light weight and a compact design while keeping the SCBA's center of gravity in an optimal position for better weight distribution.

The **Dräger PSS AirBoss** is one of the lightest respiratory protection devices for use by firefighters. Based on the experience of firefighters around the world and the latest technological innovations, it has been designed to minimize stress and fatigue and, at the same time, reduce air consumption.

For even greater safety, the **PSS AirBoss** can be equipped with an electronic alarm unit with warning lights on the front and the back. In addition, the electronic alarm unit draws attention to danger by generating distinctive visual and audible alarms in case of immobility, low air level, high heat stress or activation of the manual distress signal.

In addition to the user's position, the indicator lights can also show the remaining pressure in the cylinder with different colored signals, and provide critical information to team members at a glance.

The demand valve hoses and pressure gauge can be carried over the left or right shoulder or at waist level, depending on the user's preference. The easy-to-connect regulator handwheel simplifies cylinder removal and installation.

The **PSS AirBoss** features large reflective stripes that enhance firefighter visibility and make it easier to locate team members in danger. Low absorption and water repellent, the harness materials soak up fewer contaminants. The simplified design that minimizes dirt, it is very easy to clean and machine washable, reducing maintenance time and costs.

Depending on your needs and the level of connectivity you choose, the **PSS AirBoss firefighter self-contained breathing apparatus** is available in 3 different configurations:

- The **PSS AirBoss Active**, with mechanical pressure gauge, is the lightest and easiest to use.
- The **PSS AirBoss Agile**, with integrated electronic alarm unit, offers enhanced safety features.
- The **PSS AirBoss Connect**, with its advanced sensors and compatibility with the Dräger FireGround tracking system, provides full situational awareness.

The 3 standard versions of the AirBoss



PSS AirBoss Active

- Mechanical pressure gauge
- High visibility surfaces
- Lightweight design
- Improved fit and comfort
- Machine washable
- Pivoting belt
- Adjustable back plate
- Pivoting and sliding belt



PSS AirBoss Agile

- Electronic pressure gauge
- Integrated audible location beacon
 - Low pressure alarm
 - Immobility alarm
 - Thermal alarm
 - Manual distress alarm
 - Alert and status LEDs
 - Electronic warning alarms



PSS AirBoss Connect

- Numerical pressure gauge
- Telemetric BSL
 - Calculation of the time remaining before alarm
 - 360° status and warning LEDs
 - Automated input control
 - Evacuation alarm
 - Base station and application FireGround required

► Control system

Characteristics	PSS AirBoss Active	PSS AirBoss Agile	PSS AirBoss Connect
Mechanical pressure gauge	✓	✓ (fonction de transmission)	✓
Electronic pressure gauge	-	✓	✓
Pivoting and sliding belt	✓	✓	✓
Non-absorbent and non-slip harness	✓	✓	✓
QC quick coupling (optional)	✓	✓	✓
Machine washable	✓	✓	✓
RFID tracking	✓	✓	✓
Low pressure warning whistle	✓	✓	✓
Self-activating sonic locator beacon (SLB)	-	✓	✓
Thermal alert	-	✓	✓
Electronic warning alarms	-	✓	✓
Front warning lights and LEDs	-	✓	✓
Data recording device	-	✓	✓
HUD head-up display (optional)	-	✓	✓
Fallback time calculation	-	-	✓
Fall alert	-	-	✓
Warning lights and LEDs on the back	-	-	✓
Remaining pressure warning lights in the cylinder	-	-	✓
Electronic high pressure seal control	-	-	✓
Compatible with FireGround automatic management/control system	-	-	✓
Bluetooth connectivity for future innovations	-	✓	✓

► Dräger FireGround control system



The Dräger FireGround application is designed to transmit vital information in real time. It displays each active SCBA with an individual equipment ID or user name. This gives the operations manager more time to make tactical decisions. This benefit greatly enhances overall safety and reassures the team during an intervention. FireGround's main screen immediately provides a detailed overview of each SCBA user. Alerts for critical pressure levels or other specific alerts are displayed at the top.