

PSS AirBoss
Unstoppable

2025 Edition
NFPA-Certified SCBA

Dräger

Technology
for Life

Canada deserves a better SCBA. Get what you deserve.

Canadian firefighters work in environments that break weak equipment. They push deeper, stay longer, and operate under conditions that expose hesitation, imbalance, and inconsistency immediately. They need air that delivers without delay, systems that move with the body under load, and protection that performs the same when fatigue sets in as it does at the start of the job.

AirBoss was built to answer that reality. Shaped through direct engagement with North American fire departments, refined through real fireground use, and engineered to stay predictable under pressure, it removes friction instead of adding features. It doesn't ask firefighters to adapt to the equipment — it adapts to them.

This is not about meeting expectations. It's about raising them.

Canada deserves an SCBA that works the way the job demands.

Get what you deserve. Only from Dräger.

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Unstoppable

What It Means on the Fireground

Unstoppable is not about speed. It is not about force. And it is not about pushing harder when conditions get worse. On the fireground, unstoppable means continuing to perform when the environment refuses to cooperate.

It is the ability to keep moving when heat builds, visibility disappears, and fatigue sets in. It is staying balanced under load, breathing without hesitation, and maintaining awareness when time compresses and decisions stack up. Unstoppable is not a moment — it is consistency across the entire job, from entry through overhaul.

Firefighters know that most equipment does not fail all at once. It drifts. It loosens. It becomes unpredictable late in the operation, when the work is hardest and margins are thin. Unstoppable equipment is designed to resist that drift — physically, mechanically, and mentally.

For an SCBA, unstoppable means:

- Breathing that stays steady under exertion
- A pack that moves with the body instead of fighting it
- Controls that remain familiar under stress
- Awareness that does not demand attention
- A system that performs the same early in the call as it does late

Unstoppable is not about adding more. It is about removing friction — physical strain, cognitive load, unnecessary steps — so firefighters can use their energy, focus, and air where it matters most.

The Dräger PSS AirBoss SCBA was built around this understanding. Every decision behind the system reflects how North American firefighters actually work: under load, under pressure, and without tolerance for equipment that slows them down or forces compromise.

Because unstoppable is not a feature. It is a standard.



RELIABLE PERFORMANCE

Built to Breathe.

Breathing is not a feature. It is the foundation.

On the fireground, air is the one constant firefighters must be able to rely on when everything else becomes unpredictable. Heat intensifies. Visibility collapses. Physical effort compounds. Time compresses. In those conditions, breathing cannot hesitate, fluctuate, or demand attention. It must simply be there — steady, responsive, and consistent from the first inhale to the last.

Reliable performance begins with that expectation. Not air that performs well early in the job, but air that behaves the same as fatigue sets in. Not air that meets requirements in controlled conditions, but air that continues to deliver under stress, motion, and prolonged exertion. Firefighters do not have time to wonder if their next breath will arrive. They expect it to.

Reliability on the fireground is not defined by passing a test or quoting a specification. It is defined by behavior. Systems that change feel under load, respond differently late in the operation, or introduce small uncertainties at the worst possible moment fail the standard firefighters actually use. Most equipment does not fail all at once — it drifts. It becomes inconsistent when conditions are hardest and margins are thin.

The Dräger PSS AirBoss SCBA was designed to resist that drift. Its approach to breathing is deliberate and disciplined, focused on delivering air in a way that feels natural, predictable, and unchanged as the work intensifies. The goal is not to impress, but to remove doubt — to ensure that breathing never becomes a decision, a distraction, or a concern.

Unstoppable starts with air you can trust.

Everything that follows in this system is built on that belief.



D-2623-2026

PSS Air Lung-Demand Valve

The Regulator Firefighters Rely On

Firefighters call it the regulator. At Dräger, we call it the lung-demand valve — the LDV. Different names, same expectation: air delivered instantly, reliably, and without hesitation.

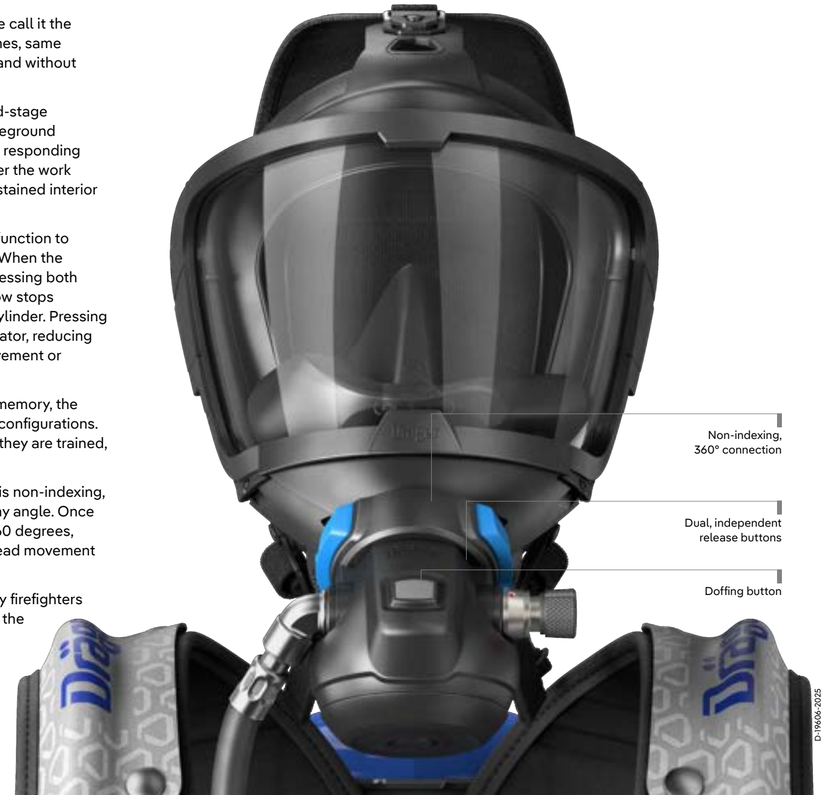
The new Dräger Air LDV is an all-new second-stage regulator designed to keep pace with real fireground exertion. It delivers high-flow air on demand, responding naturally to the firefighter's breathing whether the work involves climbing, crawling, searching, or sustained interior operations.

The LDV incorporates an automatic shutoff function to protect the air supply when it matters most. When the regulator is intentionally disconnected by pressing both large release buttons at the same time, airflow stops immediately, preserving precious air in the cylinder. Pressing only one button will not disengage the regulator, reducing the risk of accidental disconnect during movement or contact.

To respect established training and muscle memory, the LDV is available in both left- and right-hand configurations. Firefighters can operate the system the way they are trained, without relearning habits under stress.

The connection between the mask and LDV is non-indexing, allowing the regulator to be inserted from any angle. Once connected, the LDV and hose rotate a full 360 degrees, giving the firefighter complete freedom of head movement without binding, torque, or restriction.

The result is a regulator that behaves the way firefighters expect it to — secure, responsive, and out of the way — so breathing remains instinctive from entry to exit.



D-1960d-2025

Rugged Construction & Materials

Built to Withstand the Work

Reliable performance is not proven in ideal conditions. It is proven after repeated exposure to heat, impact, abrasion, and the kind of handling that only the fireground delivers.

Firefighters know that equipment rarely fails all at once. It weakens incrementally. Frames flex. Harnesses lose shape. Components begin to behave differently late in the job or late in their service life. That change in behavior — not catastrophic failure — is what erodes confidence.

The Dräger PSS AirBoss SCBA is built to resist that erosion. Its construction focuses on maintaining structural integrity, fit, and performance over time, even as conditions punish the system call after call.

The back frame is designed to handle drag loads, impacts, and repeated stress without losing stability or alignment. Harness materials are selected to withstand abrasion, heat, and contamination while maintaining their shape and support characteristics.

Critical components are protected and positioned to reduce snag risk and unintended damage during movement, rescues, and confined-space work. Materials are chosen not only for strength, but for consistency — ensuring the system feels and performs the same after prolonged use as it does when first put on.

This approach is deliberate. Reliable performance is not about surviving a single incident. It is about remaining predictable after hundreds of them. When the system holds its shape, balance, and behavior over time, firefighters can trust it without hesitation — even late into the operation, when fatigue is high and margins are thin.

AirBoss is built to take the beating the job delivers, without letting that punishment change how it performs.



D-17042-2024

Proven Technology Platform

Refined Through Real Use

Firefighters trust equipment that has already proven itself in the environments where failure is not an option. New ideas matter, but reliability is earned over time — through repetition, exposure, and correction when conditions reveal weaknesses.

The Dräger PSS AirBoss SCBA is built on a technology platform shaped by decades of frontline use. Core elements of the system — breathing pneumatics, facepiece design, electronic monitoring, and emergency air systems — draw from Dräger solutions that have been worn, tested, and relied upon by fire services for years. These technologies did not arrive fully formed; they were refined incrementally through real-world feedback and operational demand.

That continuity matters. It means the AirBoss does not behave like an experiment or a first-generation concept. It reflects lessons learned across multiple generations of SCBA development — how systems respond to heat, how materials age under stress, how electronics must communicate clearly without distraction, and how firefighters interact with their equipment when time and visibility collapse.

Where improvements were needed, they were made deliberately. Interfaces were refined. Materials were upgraded. Performance margins were strengthened. But the underlying behaviors firefighters depend on — predictable air delivery, stable fit, familiar operation — were preserved and reinforced.

A proven platform does not stand still. It evolves without abandoning what already works. AirBoss carries that balance forward, combining trusted foundations with modern refinements to deliver a system that feels familiar, dependable, and ready for the demands of today's fireground.

Reliable performance is not introduced all at once. It is built, tested, adjusted, and proven over time. AirBoss reflects that process — and the confidence that comes from it.



D-0631-2026

EASE OF USE

Fight the Fire. Not the Gear.

On the fireground, time and attention are limited resources. Every extra step, every unnecessary decision, and every moment spent managing equipment takes focus away from the work itself. Ease of use is not about comfort or convenience — it is about keeping firefighters focused, decisive, and moving forward under pressure.

Firefighters do not operate in controlled conditions. Gloves are on. Visibility is poor. Heart rates are high. Movements are fast, repetitive, and often made without looking. In those moments, equipment must behave exactly as expected. Controls must be where the hand reaches instinctively. Feedback must be immediate and unambiguous. Nothing should require explanation, adjustment, or second guesses once the work has begun.

The Dräger PSS AirBoss SCBA is designed around that reality. Its controls, interfaces, and adjustments are built to feel familiar from the first use, allowing firefighters to rely on muscle memory rather than conscious thought. Tasks such as donning, adjusting, changing cylinders, and checking status are designed to be fast, intuitive, and repeatable — even under stress.

Ease of use also extends beyond the moment of entry. Cleaning, inspection, and reassembly are built into the system in a way that respects the pace of modern fire service operations. Equipment that is simple to maintain returns to service faster, stays consistent in how it performs, and reduces the chance of errors introduced through unnecessary complexity.

When gear disappears into the background, firefighters gain something back — attention, energy, and time. That is what ease of use is meant to deliver. Not shortcuts, not simplification for its own sake, but a system that works the way firefighters already do.

Because on the fireground, the job is hard enough. The gear should not make it harder.



Muscle Memory

How Firefighters Work

Firefighters rely on habits formed through repetition, training, and experience. In zero visibility, under heat, and under pressure, movements are not deliberate — they are automatic. Hands reach where they expect controls to be. Actions happen without conscious thought.

Equipment that disrupts those habits introduces hesitation at exactly the wrong moment. Even small changes in layout or operation can force firefighters to slow down, reorient, or think when instinct should take over.

The Dräger PSS AirBoss SCBA is designed to fit into those existing patterns rather than replace them. The system supports both left-hand and right-hand regulator configurations, allowing firefighters and departments to maintain the setup they are trained to use. Gauges and hoses can be routed to match established operating practices, ensuring critical controls are where firefighters expect them to be.

This approach shortens the transition to new equipment and reduces the need for retraining. Firefighters do not have to relearn fundamental movements or adapt to unfamiliar layouts under stress. Instead, the system adapts to them.

Hose routing and component placement stay close to the body, minimizing snag hazards while preserving freedom of movement through crawling, climbing, and confined-space work. Regardless of configuration, the SCBA maintains a consistent profile and predictable behavior throughout the operation.

By aligning with how firefighters already work, AirBoss removes friction instead of adding it. Familiar movements remain familiar. Reactions remain instinctive. And attention stays focused where it belongs — on the fire, the crew, and the task at hand.



D-2627-2026

Cylinders & Air Management

Fast Changes. Secure Carry. Reliable Air.

Air management should feel controlled, predictable, and fast — even when conditions are demanding.

Cylinder changes are a routine part of the job, and when the system is designed correctly, they happen smoothly without interrupting the work or breaking focus.

The Dräger PSS AirBoss SCBA is engineered to make air changes deliberate and repeatable, using interfaces that work naturally with gloves on and visibility reduced.

The Quick Connect system replaces traditional threaded connections with a secure push-to-connect interface that locks the cylinder into place with a single, confident motion. There is no alignment struggle, no cross-threading, and no fine motor task that disappears under stress.

Disconnecting the cylinder is just as straightforward. A short, controlled movement — a quarter-turn and lift — releases the connection cleanly, allowing firefighters to transition efficiently without fighting the interface.

With routine use, cylinder changes can be completed in seconds, keeping crews moving and minimizing interruption to the operation.

Once installed, the cylinder is secured by the AirBoss cam-lock retention system. This design eliminates loose straps, buckles, and dangling hardware, holding the bottle firmly in place while maintaining a tight, stable profile. The cylinder remains secure during climbing, crawling, and aggressive movement, without the need for constant readjustment.

The system is completed by Dräger carbon composite cylinders, manufactured and tested using advanced production processes.

Each cylinder features a seamless aluminum liner fully over-wrapped with carbon fiber and an epoxy matrix, delivering high strength with reduced weight.

Cylinders are available in 30-, 45-, and 60-minute durations, in either low-pressure (2,216 psi) or high-pressure (4,500 psi) configurations to match departmental needs and operational profiles.

For identification and fleet management, cylinders can be supplied with a clear protective coating or in a range of colours, with optional custom logos available. These options support visual organization without changing how the system performs or handles on the fireground.

Quick cylinder change is not about saving a few seconds in ideal conditions. It is about maintaining rhythm, reducing friction, and ensuring air management never interrupts the work itself.

AirBoss is built so changing air stays simple, secure, and out of the way — exactly where it belongs.



D-2642-2026



Easy Access for Gloved Hands

Easy to Find by Feel

On the fireground, firefighters operate with gloves on, visibility reduced, and attention divided. Controls need to be easy to find, easy to distinguish, and easy to operate without looking.

The Dräger PSS AirBoss SCBA uses large, glove-friendly controls designed for deliberate use under stress. Buttons and interfaces are sized for confident activation and placed where firefighters naturally reach, reducing the need to search or adjust grip in critical moments.

Colour plays an important role. Key controls are clearly colour-coded to stand out against turnout gear and equipment. The large blue release buttons on the regulator are easy to identify visually and by touch, helping firefighters confirm their position instantly — even in low light or zero visibility. The colour contrast supports faster recognition and reduces the chance of pressing the wrong control under pressure.

On the Sentinel control unit, buttons are equally deliberate. Their size, spacing, and tactile response allow firefighters to activate functions, acknowledge alerts, or manually trigger alarms without removing gloves or relying on fine motor skills. Each press provides clear feedback, so firefighters know the action has been taken.

These design choices are intentional. Firefighters do not have time to decipher symbols or remember sequences when conditions are deteriorating. Controls must communicate their purpose immediately — through shape, placement, and colour.

By making controls easy to locate, easy to distinguish, and easy to operate with gloves on, AirBoss keeps interaction simple and predictable. Firefighters stay focused on the environment around them, not the interface supporting them.

The result is equipment that responds the way firefighters expect — clearly, confidently, and without hesitation.

FPS Head-Up Display

Air Status Without Looking Away

Firefighters should not have to stop, slow down, or change posture to check their air. In smoke, noise, and movement, awareness needs to stay where the firefighter is already looking.

The Dräger Head-Up Display places air information directly in the firefighter's field of view. Coloured LED indicators provide continuous feedback on remaining air and system status without requiring the firefighter to tilt the mask, reach for a gauge, or break focus from the environment.

The display works automatically. As soon as the SCBA is pressurized, the HUD activates and begins communicating air status. There is no pairing, setup, or manual input required by the firefighter. Information is delivered quietly and consistently in the background, reinforcing awareness without distraction.

Brightness adjusts automatically based on ambient light. In dark interior conditions, the display remains clearly visible without overpowering vision. In brighter environments, the LEDs dim appropriately so they do not interfere with situational awareness.

The HUD is designed for everyday use and maintenance. It installs into the facepiece without tools and can be transferred between compatible masks in seconds. Battery access is tool-free, allowing quick replacement without removing the unit from service.

The purpose of the HUD is simple: keep firefighters informed without adding another task. Air status stays visible, awareness stays continuous, and attention stays on the work in front of them.

AirBoss uses the HUD to make air awareness automatic — so firefighters don't have to think about it until it matters.



Toolless battery access

Photosensitive detection

Air-remaining notification lights

Battery status notification lights

D-15944-2025

Dual Power Options

Power that Keeps Pace

Keeping electronics powered should be straightforward. Firefighters move between calls, rigs, and stations quickly, and power systems need to work within that rhythm — not slow it down.

The Dräger PSS AirBoss SCBA is designed with flexible power options that fit real-world operations. The Sentinel electronics can be powered by either a rechargeable battery pack or standard AA batteries. Departments can recharge when time allows or swap batteries instantly when it doesn't, keeping SCBAs in service without delay.

The magnetic charging system makes recharging simple. The charger connects securely without plugs or alignment, and it can be mounted directly on apparatus jumpseats or in the station. When firefighters are seated and geared up, the SCBA can charge automatically without any extra steps.

As the firefighter exits the apparatus, the magnetic connection releases cleanly and safely. There is nothing to unplug, nothing to forget, and nothing to snag as the firefighter moves off the rig. Charging stops automatically, and the SCBA is ready for use.

Battery status is easy to check at a glance through clear visual indicators. Firefighters and technicians can quickly confirm that the system is powered and ready without navigating menus or connecting external devices. This approach keeps power management out of the way. Electronics stay charged during normal routines, and firefighters don't have to think about cables, connectors, or charging sequences when the call comes in.

AirBoss is built so staying powered feels automatic — because the last thing firefighters need to manage is their charger.



D-4906-2026

Ergonomics of AirBoss

Comfort: What Happens When Ergonomics Is Right

Ergonomics is one of the most abused words in firefighter equipment.

For nearly three decades, Dräger has approached SCBA ergonomics as a discipline of engineering, not a matter of cushioning or first impression. The goal was never to make a breathing apparatus feel good when standing still, but to control how mass is carried, how forces act on the body, and how the system behaves as firefighters move, work, and fatigue under load.

When balance is right and leverage is managed, comfort follows naturally — not just at the start of the job, but throughout it. Comfort is immediate. Ergonomics is cumulative.

Dräger began studying SCBA ergonomics nearly three decades ago, not as a feature initiative, but as an engineering problem.

The question was never how to make a pack feel better when standing still. The question was how a breathing apparatus behaves when firefighters are crawling low, climbing stairs, rotating through confined spaces, and working under load long after fatigue begins to set in.



That research led to an early and unavoidable conclusion: Most strain does not come from weight itself. It comes from leverage.

When mass sits too far from the body, even small amounts of weight create outsized forces. A cylinder positioned high or far from the back increases torque on the spine, pulls firefighters backward, and forces constant micro-corrections just to stay balanced. Those corrections rarely register as "discomfort." Instead, they show up as elevated heart rate, increased air consumption, early fatigue, and subtle loss of control that compounds over the course of an operation.

True ergonomics addresses those invisible costs.

Across multiple generations of SCBA development, Dräger engineers focused on moving the air cylinder closer to the firefighter's body and lowering it toward the natural center of gravity. This was not done for appearance or marketing distinction. It was done to reduce leverage, minimize rotational forces, and allow the body's strongest structures — the hips and core — to manage the load instead of the shoulders and lower back.

This work predates AirBoss by decades. It began with early experimental platforms in the 1990s, continued through successive PSS generations, and matured through repeated field validation with firefighters performing real work under real conditions. Each generation refined how mass was positioned, how movement was accommodated, and how the system behaved as fatigue increased.

The result is not something that announces itself immediately.

Firefighters do not put on AirBoss and think, "This is ergonomic." They simply notice that it does not fight them. The pack stays planted when they stop. It moves predictably when they move. It does not pull them backward when they crawl. It does not shift unpredictably when they climb.

More importantly, it does not demand constant compensation.

This is where ergonomics is most often misunderstood. Its value cannot be judged in the first five minutes of wear, on a showroom floor, or during a static fit test. Ergonomics reveals itself late in the job — when posture is harder to maintain, when balance becomes critical, and when the difference between efficiency and waste shows up in breathing rate and remaining air.

AirBoss is designed for that moment.

By managing how mass is carried — not just how it is padded — the system reduces unnecessary strain before firefighters are aware of it. Movement stays deliberate instead of reactive. Energy is conserved instead of spent stabilizing the equipment. Air is used to do the work, not to compensate for poor balance.

This is why ergonomics is not a comfort feature. It is a performance discipline. And it is why AirBoss does not attempt to feel lighter. It is engineered to make firefighters last longer.

It Doesn't Just Feel Good. It Feels Right.

Firefighters do not move in straight lines. They climb, crawl, twist, drag, reach, and change direction without warning — often under load, in heat, and in confined spaces. An SCBA that restricts that movement costs energy, time, and air.

Ergonomics in firefighting is not about softness or comfort. It is about balance, stability, and freedom of movement when the body is already under strain. When weight is poorly distributed or the system fights the body's natural motion, fatigue builds faster and control suffers.

The Dräger PSS AirBoss SCBA is designed to move with the firefighter, not against them. The system keeps weight close to the body and centered, allowing the hips — not the shoulders — to carry the load. As firefighters crawl low, climb stairs, or pivot through tight spaces, the SCBA stays stable and predictable instead of shifting, pulling, or binding.

Mobility is preserved through controlled flexibility. The carrying system allows movement where the body needs it while maintaining structure where support matters. The result is a pack that feels planted when the firefighter is still, and responsive when the firefighter moves.

This balance reduces unnecessary strain and wasted motion. Firefighters spend less energy fighting their equipment and more energy doing the work itself. Over the course of a long operation, that difference shows up in endurance, breathing rate, and control.

Ergonomics and mobility are not separate from performance — they are what make sustained performance possible. AirBoss is built to support movement from entry through overhaul, so firefighters can stay effective even as conditions and fatigue increase.



Carrying System, Fit, & Movement

Balanced for the Way Firefighters Move

Firefighters carry their SCBA through every part of the job — advancing hose, searching low, climbing stairs, forcing doors, dragging victims, and working long after fatigue sets in. When a pack is poorly balanced or fights the body's movement, the cost shows up quickly in strain, air consumption, and loss of control.

The Dräger PSS AirBoss SCBA is designed to manage weight, not just carry it. The system positions the cylinder close to the firefighter's back and lowers the center of gravity, allowing the hips — not the shoulders — to take the load.

This creates a more stable posture and reduces the top-heavy feel that pulls firefighters backward or off balance, especially when crawling or climbing.

Fit plays a critical role in that stability. The AirBoss back frame features a three-step height adjustment that allows firefighters to set the pack to their torso length.

When the SCBA rides at the correct height, weight settles naturally along the body instead of digging into the shoulders or sagging into the lower back. Once adjusted, the system stays in place through movement without bouncing, sliding, or needing constant readjustment.

Mobility is preserved through controlled flexibility in the carrying system. The AirBoss waist belt is designed to pivot and slide as the firefighter moves, allowing the pack to follow natural body motion instead of resisting it. When crawling under smoke, twisting through tight hallways, or reaching overhead, the waist belt shifts just enough to keep the load centered without binding or torque on the spine.

This controlled movement reduces wasted energy. Firefighters are not fighting a rigid frame or compensating for a pack that shifts unpredictably. Movements stay smoother, posture stays stronger, and balance is easier to maintain even as fatigue builds. Over the course of a long operation, that efficiency translates directly into endurance and usable air time.

The carrying system also maintains a clean, stable profile. Straps, padding, and components stay close to the body, reducing snag hazards and keeping the SCBA predictable in confined spaces.

When firefighters stop moving, the system settles and stays put. When they move again, it responds without lag or resistance.

Ergonomics and mobility are not about making the pack feel lighter in the first few minutes of an operation. They are about ensuring the SCBA behaves the same late in the job as it did at the start. By managing weight, preserving balance, and allowing natural movement, AirBoss supports sustained performance from entry through overhaul.

The result is an SCBA that works with the firefighter's body instead of against it — conserving energy, maintaining control, and allowing firefighters to keep moving when the job demands it most.



Every Wasted Movement Costs

Save Air with AirBoss

Firefighters feel strain long before they feel exhaustion. It shows up in small adjustments — tightening the shoulders, shifting weight, fighting balance — that quietly drain energy with every step. Over time, those small losses add up, increasing fatigue and accelerating air consumption.

The Dräger PSS AirBoss SCBA is designed to reduce that strain at its source. By managing how weight is carried and how the system moves with the body, AirBoss limits the constant micro-corrections firefighters make when equipment works against them. Less strain means fewer wasted movements and more efficient use of strength.

When weight is centered and supported correctly, posture stays stronger. Firefighters are not pulled backward by a top-heavy pack or forced to compensate with their shoulders and lower back. Instead, the load is carried where the body is built to handle it — through the hips and core — allowing movement to remain controlled and balanced even under heavy exertion.

That efficiency directly affects breathing. When the body is not fighting the SCBA, heart rate stays lower and breathing remains steadier. Firefighters use air more effectively because they are not burning oxygen compensating for poor balance or restricted movement. Over the course of a long operation, that difference can mean additional working time inside the structure instead of an earlier exit driven by fatigue.

As conditions worsen and the job stretches on, consistency matters more than early comfort.

AirBoss is built to behave the same late in the operation as it does at the start. The carrying system maintains its position, the waist belt continues to move with the body, and the pack does not sag, bind, or shift as fatigue sets in.

Reduced strain also supports safer movement. Firefighters maintain better control when climbing stairs, advancing hose, or navigating uneven debris. Balance improves. Movements stay deliberate instead of reactive. That control becomes increasingly important as visibility drops and conditions become more unpredictable.

Endurance on the fireground is not just about strength. It is about efficiency — how well energy, movement, and air are conserved over time. By reducing unnecessary strain and allowing the body to move naturally, AirBoss helps firefighters stay effective longer, make cleaner decisions, and maintain control when the work is hardest.

Reduced strain does not just feel better. It lasts longer.

Intelligence... When There's No Time to Think.

On the fireground, awareness collapses quickly. Smoke erases visibility. Noise overwhelms radios. Stress compresses time. In those moments, firefighters do not have the luxury of stopping to analyze information or interpret complex signals.

Intelligence only matters if it arrives automatically.

Safety systems must work without prompting — watching air, monitoring movement, tracking status, and signaling danger before the firefighter has to ask for it. Information must be delivered clearly, immediately, and in a way that cuts through chaos instead of adding to it.

The Dräger PSS AirBoss SCBA is designed to provide intelligence that operates in the background. Visual indicators, audible alerts, and status signals activate on their own, reinforcing awareness without demanding attention. These systems adapt to movement and conditions, ensuring critical information is delivered when it matters most — not after.

This intelligence is layered. Alerts are reinforced visually and audibly so they are more likely to be noticed in real fireground conditions. Signals are visible not only to the wearer, but to surrounding crew members, supporting faster recognition and response when something changes.

Awareness is not just personal. Firefighters depend on being able to read their team — who is moving, who is low on air, and who may be in trouble — often at a glance and without communication. Intelligence that supports both individual and crew-level awareness helps teams stay oriented and act sooner when conditions deteriorate.

When time disappears and thinking gives way to instinct, intelligence has to keep up. AirBoss is built to deliver the right information automatically, so firefighters can stay focused on the work while the system quietly supports their safety.





D-15522-2025



D-15521-2025



D-15523-2025

Buddy Lights

Awareness the Crew Can See

On the fireground, firefighters rarely work alone. Movement happens in teams, often in smoke, noise, and limited visibility. In those conditions, being able to read the status of the people around you — quickly and without stopping — matters.

The Dräger PSS AirBoss SCBA uses Buddy Lights to make firefighter status visible to the entire crew. High-visibility lights mounted on the carrying system communicate air status and alarm conditions outward, allowing surrounding firefighters to recognize changes at a glance.

As air levels change, the Buddy Lights provide clear visual cues that cut through smoke and clutter. Crews do not need to tap shoulders, stop movement, or rely on radio traffic to understand who is good, who is getting low, and who may need to rotate out. The information is visible while the team stays in motion.

In a distress situation, the Buddy Lights reinforce audible alarms by making the firefighter easier to locate visually. Lights are visible from multiple angles, helping crews orient quickly in low visibility and reducing search time when seconds matter.

Buddy Lights are not about adding another signal. They are about extending awareness beyond the individual wearer. By sharing critical status information outward, AirBoss supports faster decision-making, better team coordination, and earlier intervention when conditions change.

When crews can see each other clearly — even when the environment refuses to cooperate — they stay connected, coordinated, and safer.

AirBoss Sentinel PASS & Monitoring

Clear Status. Immediate Alerts.

Firefighters need to know their status — and their crew needs to know it too — without stopping to check gauges or interpret complex signals. In smoke, noise, and motion, awareness has to be immediate and unmistakable.

The AirBoss Sentinel combines pressure monitoring and PASS functionality into a single, integrated unit. Remaining air and system status are displayed clearly in one place, allowing firefighters to confirm their condition with a quick glance rather than a sequence of checks. Estimated remaining air updates automatically based on breathing rate, reflecting real exertion instead of static assumptions.

Movement is monitored continuously. If a firefighter becomes motionless, Sentinel activates automatically, escalating from pre-alarm to full PASS without requiring manual input. A manual activation option is always available when help is needed immediately.

Alerts are designed to be hard to miss. Audible alarms are paired with bright visual signals on both the Sentinel unit and the carrying system, reinforcing awareness from multiple directions. This layered signaling helps ensure alarms are recognized even when noise, distance, or obstacles interfere.

Just as important, Sentinel supports crew awareness. Status indicators communicate not only distress, but changing air conditions, helping officers and team members recognize when someone is approaching low air or needs to rotate out — often before a critical threshold is reached.

Sentinel is built to work automatically and consistently. There is no reliance on menus, complex inputs, or constant attention from the firefighter. The system monitors, calculates, and alerts on its own, delivering information when it matters most.

When conditions deteriorate and attention is stretched thin, Sentinel helps keep firefighters visible, audible, and accounted for — supporting faster response, better coordination, and safer outcomes when seconds matter.



D-15522-2025

FPS 7000 Full-Face Mask

Awareness Starts Here

Awareness starts with what firefighters can see, hear, and feel. Before alarms, displays, or indicators come into play, the face mask is the primary connection to the environment. If vision is restricted, the seal is unstable, or communication breaks down, everything else becomes harder.

The Dräger FPS 7000 face mask is designed to provide clear vision and a secure seal under real fireground conditions. A wide, panoramic lens gives firefighters an expanded field of view with minimal distortion, reducing the need for constant head movement in smoke-filled or confined spaces. Seeing more without moving more supports orientation and control when visibility is limited.

The mask's inner seal is designed to stay stable during exertion. As firefighters climb, crawl, and work under load, the facepiece maintains its position without shifting or breaking seal. Multiple mask sizes and inner mask options allow departments to achieve a proper fit across a wide range of face shapes, supporting consistent performance without over-tightening.

Clear communication is built in. The integrated voice diaphragm enhances speech transmission, helping firefighters be understood in loud environments without relying solely on radios or hand signals. Communication stays more natural, reducing the need to repeat messages or stop movement to be heard.

The connection between the mask and regulator is non-indexing, allowing attachment from any angle. Once connected, the regulator rotates freely, preserving head movement without torque or restriction. Firefighters can turn, look, and work without feeling bound to the hose.

The face mask is not just protective equipment — it is the firefighter's interface with the fireground. When vision stays clear, the seal stays secure, and communication stays intelligible, awareness improves before any electronic system ever activates.

AirBoss builds safety and awareness from the inside out — starting with the firefighter's eyes, breath, and voice.



D-11756-2019



UEBSS ‘Buddy Breather’

Air Without Barriers

In a mayday, entrapment, or unexpected delay, access to air becomes the single most urgent need. Those moments are rarely clean or predictable. Crews may be mixed. Equipment may differ. Space, time, and visibility are limited. Air sharing must work immediately — without adapters, guesswork, or compatibility concerns.

The Dräger PSS AirBoss SCBA integrates a Universal Emergency Breathing Safety System designed to function across brands and departments. UEBSS allows two firefighters to share a single air supply, or for a firefighter to receive air from an external source, using standardized NFPA-compliant connections.

When assistance arrives, air transfer does not depend on matching equipment — it depends on availability and action. The system is designed for speed and access.

Connections are positioned for use from either side of the SCBA, allowing firefighters or RIT crews to connect quickly regardless of orientation or confined conditions. There is no need to reposition the firefighter or search for a single access point while time continues to close in.

UEBSS is not a feature used every day — and that is exactly why it must work without hesitation when it is needed. It operates as part of the AirBoss safety architecture, extending the same philosophy of redundancy and margin into emergency air supply. If a firefighter’s air becomes compromised, the system provides another option before the situation escalates.

In mutual aid environments, UEBSS becomes even more critical. Firefighters from different departments, wearing different SCBAs, must be able to support one another without delay. AirBoss ensures that air sharing remains possible when equipment differences would otherwise slow response.

UEBSS is not about convenience. It is about buying time when time is disappearing. Time for rescue. Time for extrication. Time for a firefighter to be brought home. When everything else is uncertain, air must not be.

RIT LifeGuard II

Immediate Air for Rapid Intervention

When a firefighter is down, the first priority is air. Rescue operations unfold in tight spaces, low visibility, and under extreme time pressure. Accessing a firefighter’s air supply must be fast, intuitive, and reliable — without removing equipment or forcing rescuers into complex procedures.

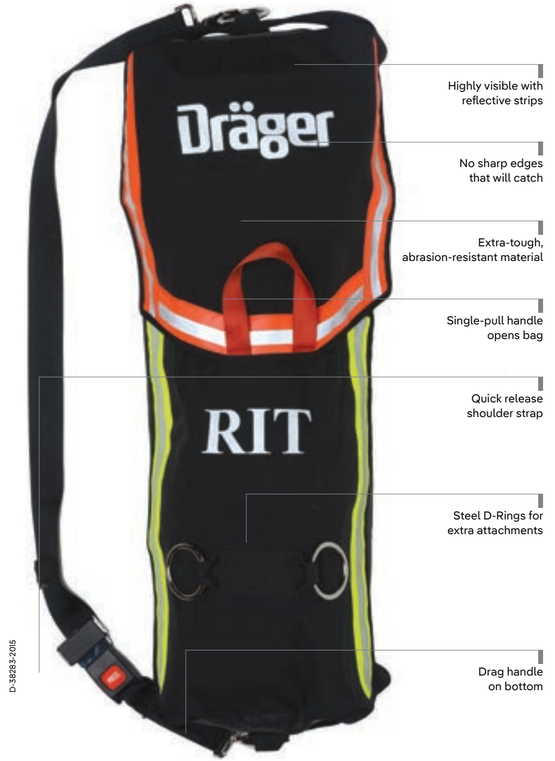
The Dräger RIT LifeGuard II is designed specifically for Rapid Intervention Team operations. It provides a clear, accessible connection point that allows rescuers to quickly supply air from a RIT pack or external source. The interface is positioned for easy access and built for use with gloves on, helping teams make the connection without delay or guesswork.

RIT LifeGuard II supports continuous air delivery while rescue efforts are underway. As firefighters are packaged, disentangled, or moved through confined spaces, the system maintains airflow without interrupting progress. Rescuers can focus on extraction and movement instead of managing improvised air solutions or incompatible fittings.

The system is built to work under real rescue conditions. Connections are secure and deliberate, reducing the risk of accidental disconnection as the firefighter is moved. The design supports operation from multiple angles, recognizing that downed firefighters are rarely positioned conveniently and that rescues rarely happen head-on.

RIT LifeGuard II is part of the broader AirBoss safety architecture. It complements UEBSS by providing a dedicated, RIT-focused solution for sustained rescue operations, extending the same philosophy of redundancy, interoperability, and time-buying into the most critical moments of an incident.

Rapid intervention is measured in minutes and seconds, not features. RIT LifeGuard II exists to give rescuers what they need most in that moment — immediate air, clear access, and the ability to keep the rescue moving forward without hesitation.



Self-Rescue Belt & Multi-Purpose Strap

When the Exit Changes

Firefighters do not plan to self-rescue — but they train for it because conditions can change faster than plans can adapt. When heat spikes, access collapses, or the only way out is no longer the way in, having immediate, integrated options matters.

The Dräger PSS AirBoss SCBA can be configured with an integrated self-rescue belt designed to support controlled emergency egress. Built into the carrying system, the belt is always available without adding bulk or requiring additional equipment to be donned under pressure. When conditions demand a rapid bailout or descent, firefighters can act immediately rather than losing time searching for separate gear.

The system is designed for deliberate use in extreme conditions. Attachment points are positioned for access with gloves on and limited visibility, allowing firefighters to clip in and commit without hesitation. By integrating self-rescue capability directly into the SCBA, AirBoss removes steps at the moment when time, space, and coordination are limited.

The multi-purpose strap extends that capability further. Designed for versatility, it supports a range of emergency tasks — assisting with firefighter movement, managing equipment, stabilizing loads, or supporting controlled positioning during complex operations. The strap is built to be strong, accessible, and adaptable, providing another tool when standard movement or access is compromised.

Together, the self-rescue belt and multi-purpose strap reflect the same philosophy that defines AirBoss safety architecture: reduce dependency on external equipment, eliminate unnecessary steps, and make critical options immediately available when conditions deteriorate.

Self-rescue is never the preferred outcome. But when it becomes necessary, AirBoss ensures firefighters are not improvising. They are acting with equipment designed for the reality they are facing.



Redundancy & Safety Margins

One System. Multiple Ways to Be Seen & Heard.

On the fireground, information does not arrive neatly — and it does not arrive once. Noise swallows alarms. Smoke hides movement. Stress narrows attention to whatever is directly in front of you.

Any system that relies on a single signal, a single display, or a single moment of recognition is already behind the conditions it is meant to protect against.AirBoss is built on the assumption that something can be missed.

That is why safety and awareness are not delivered through one device or one alert, but through a layered system designed to reinforce itself. Sentinel, the Head-Up Display, and Buddy Lights work together to ensure critical information is delivered repeatedly, in different forms, and to more than one person.

Sentinel monitors movement, air pressure, and distress continuously. When a problem develops, it does not wait for firefighter input. Audible alarms activate automatically, escalating as conditions worsen. At the same time, visual indicators on the Sentinel and carrying system broadcast status outward, making the firefighter easier to locate when sound alone is not enough.

The Head-Up Display brings that same information directly into the firefighter's field of view. Air status and alerts appear without requiring a glance at a gauge or a break in posture. Even if noise, stress, or task fixation prevents an alarm from registering, the HUD reinforces awareness visually — quietly and persistently.

Buddy Lights extend that awareness beyond the individual. Air status and alarm conditions are visible to the entire crew, cutting through smoke and movement so teammates can recognize changes immediately.

Firefighters do not need to ask, stop, or rely on radio traffic to know who is good, who is getting low, or who may be in trouble. These systems are not redundant by accident. They are redundant by design.

If one signal is missed, another remains. If sound is drowned out, light takes over. If the firefighter does not recognize the change, the crew can. Each layer buys time — time to notice, time to react, time to intervene before a situation becomes a mayday.

Power follows the same discipline. Independent power options and clear status feedback prevent a single failure from silencing the entire awareness system.

Sentinel, HUD, and Buddy Lights are built to remain active without menus, resets, or deliberate action when attention is already exhausted.

Redundancy is not about adding features. It is about removing single points of failure. AirBoss refuses to rely on perfect awareness, perfect conditions, or perfect timing. It delivers intelligence repeatedly, visibly, and automatically — to the firefighter and to the crew.

When there is no time to think, safety depends on systems that refuse to speak only once.

D-2428-2026

FPS-COM 5000

Radio Clarity Under Fire

On the fireground, communication is not optional. Orders, updates, and mayday calls must cut through noise, heat, and movement without being lost or misunderstood. When visibility is gone and conditions are changing fast, the ability to be heard — clearly and immediately — matters.

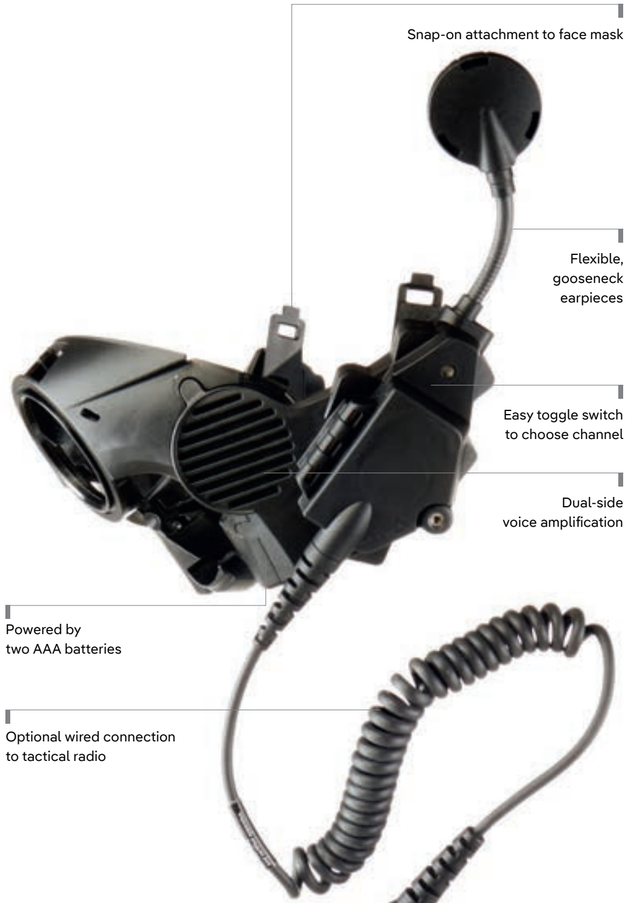
The Dräger FPS-COM 5000 is designed to support reliable communication between firefighters and incident command under real fireground conditions. Integrated directly into the face mask, the system amplifies the firefighter's voice and supports connection to tactical radios without adding bulk or distraction.

Digital noise reduction filters out breathing sounds, background noise, and acoustic feedback, allowing speech to come through cleanly even in high-noise environments. Commands are easier to understand, responses are clearer, and critical messages are less likely to be repeated or missed.

Controls are built for deliberate use with gloves on. Large, tactile interfaces allow firefighters to transmit without fine motor movement or visual confirmation. The system is designed to stay intuitive under stress, keeping communication fast and intentional rather than complicated.

FPS-COM 5000 is built to withstand the conditions it operates in. Components are sealed and protected to handle heat, moisture, and repeated exposure to harsh environments. Power management is designed for reliability, supporting extended operations without constant attention or adjustment.

Clear communication supports safer operations. When firefighters can be heard the first time, coordination improves, decisions happen faster, and crews stay aligned as conditions evolve. FPS-COM 5000 keeps communication where it belongs — clear, controlled, and dependable when the fireground is anything but.



D-8588-2016

FPS-COM 7000 & TeamTalk

Hands-Free, Team Communications

Inside a structure, communication often needs to stay close. Crews working shoulder-to-shoulder in smoke, heat, and tight spaces rely on constant alignment — not formal radio traffic, but immediate, natural coordination.

The Dräger FPS-COM 7000 is designed for crew-level, hands-free communication. It allows firefighters operating together to speak and hear one another continuously without push-to-talk, channel selection, or radio discipline getting in the way of movement.

Voice-activated communication keeps teams connected as they advance hose, conduct searches, or navigate complex interiors. Firefighters can call out conditions, movements, and changes in real time without breaking rhythm or shifting focus from the task at hand. Communication stays fluid instead of fragmented.

FPS-COM 7000 operates independently of tactical radios, making it especially effective for interior teams where constant coordination matters more than command transmission. When needed, the system can integrate with a radio connection, allowing one firefighter to relay information outward while keeping team communication uninterrupted.

Digital noise reduction suppresses breathing sounds and background noise, ensuring voices come through clearly even under heavy exertion. Speech remains intelligible without overwhelming the wearer or masking environmental cues.

The system integrates directly into the face mask, keeping weight balanced and eliminating extra hardware that could snag or distract. Controls are minimal and intuitive, allowing the system to operate quietly in the background once activated.

FPS-COM 7000 is not about replacing radio communication. It is about strengthening team cohesion where radios are least effective — inside the structure, under load, and in constant motion.

When crews stay connected, movement is cleaner, reactions are faster, and decisions happen sooner. FPS-COM 7000 keeps teams operating as a unit when conditions are working to pull them apart.



D-994-2024

SERVICE & UPTIME

Hard to Break. Easy to Fix.

Firefighters work in environments that destroy weak equipment. SCBAs are dragged across concrete, slammed on apparatus floors, soaked during overhaul, baked in heat, and contaminated by smoke and debris — then expected to perform again without hesitation. Gear that cannot survive that cycle does not stay in service, no matter how well it performs when new.

AirBoss is built for that reality.

The Dräger PSS AirBoss SCBA is designed to take repeated punishment without losing its integrity, balance, or behavior. Structural components are engineered to resist deformation and fatigue. Interfaces are built to stay secure under impact and movement. Materials are selected not just for strength, but for consistency — so the system behaves the same after months and years of use as it did on day one. Durability alone is not enough. Equipment also has to recover quickly when something finally does require attention. AirBoss is designed so service does not become a bottleneck.

Assemblies are deliberate and accessible. Components come apart without specialized tools and go back together without guesswork. Routine maintenance, cleaning, and part replacement can be handled efficiently without sidelining the SCBA longer than necessary. The breathing system remains protected throughout normal handling and decontamination, reducing the risk of damage or error during post-incident work. That protection matters.

Many SCBA issues are introduced after the fire, not during it. By limiting unnecessary complexity, AirBoss helps prevent problems before they start.

Support infrastructure reinforces this design philosophy. Many of Dräger's Authorized Sales Partners across the country are trained and equipped to provide annual maintenance and routine service, allowing departments to address common needs locally and keep SCBAs in rotation.

For more advanced requirements, a nationwide network of Dräger Authorized Service Partners is equipped to perform diagnostics, repairs, and warranty service to factory standards. These service centers are staffed by trained technicians who work specifically with Dräger SCBAs and understand the urgency of returning equipment to service quickly and correctly.

This structure reduces unnecessary downtime and eliminates the uncertainty that comes with long shipping delays or unclear repair timelines. When service is required, it is handled with accountability, clear processes, and a focus on getting equipment back into service — not sitting on a bench or in transit.

Hard to break means the system stays dependable under abuse. Easy to fix means it returns to service without disruption. Together, those principles define uptime. And uptime is what keeps SCBAs on rigs, on backs, and ready when the tones drop. AirBoss is built to endure the work — and built to come back ready for the next one.





D-170351-2024

Certified Dräger Service Centers

Factory-Level Service. Closer to the Firehouse.

Keeping SCBAs in service requires more than durability — it requires the right level of support at the right time. Not every issue needs factory-level repair, and not every department should be forced into long turnaround cycles for routine work.

Many Dräger Authorized Sales Partners across the country are trained to provide regular maintenance, annual inspections, and straightforward repairs. This local support allows departments to address common service needs quickly and keep SCBAs in rotation without unnecessary downtime or shipping delays.

For more complex requirements, Dräger has introduced a new nationwide network of Certified Dräger Service Centers. These centers are equipped to perform advanced diagnostics, warranty repairs, and specialized service to factory standards. Staffed by trained technicians who work specifically on Dräger SCBAs, Certified Service Centers provide a clear path for issues that go beyond routine maintenance — with accountability, consistency, and faster turnaround.

This expanded service model is new and deliberate. It reflects feedback from fire departments that needed better access to factory-level support without losing weeks to transit and queue time.

By placing certified capability closer to departments, Dräger reduces uncertainty and keeps more SCBAs available when they are needed.

For larger departments with the capacity to support in-house service operations, Dräger offers another option. Departments can be trained and certified to operate their own service and maintenance centers, allowing them to perform regular maintenance and approved warranty work internally. This approach gives large agencies greater control over uptime while maintaining factory standards and oversight.

Together, these service paths form a tiered support structure:

- Local Dräger Sales Partners for routine maintenance and simple repairs
- Certified Dräger Service Centers for advanced diagnostics and warranty work
- Department-certified service operations for agencies that require full in-house capability

The result is a service model designed around readiness, not convenience. SCBAs move through the right level of support without unnecessary delay, keeping equipment familiar, available, and trusted.

AirBoss is supported the same way it is built — deliberately, efficiently, and with uptime as the priority.

Simplified Maintenance. Maximized Availability.

Less Downtime. More Readiness.

SCBA maintenance is unavoidable — unnecessary downtime is not. When service schedules are rigid, overly frequent, or dependent on extensive teardown, packs spend more time out of rotation than they should. Over time, that lost availability forces departments to stretch spares, rotate unfamiliar equipment, or accept gaps in readiness.

The Dräger PSS AirBoss SCBA is designed around a simplified maintenance philosophy that prioritizes operational availability. Critical components are engineered for long-term stability, reducing the need for repeated mandatory tear-downs that interrupt service life. Maintenance is driven by actual use and condition rather than arbitrary intervals, allowing departments to focus effort where it matters most.

By minimizing unnecessary disassembly, AirBoss reduces both downtime and the risk of errors introduced during routine service. Packs return to service faster, behave more consistently over time, and remain familiar to the firefighters who rely on them. Fewer interruptions mean fewer surprises — on the bench and on the fireground.

This approach directly supports operational availability. User-serviceable design, tool-free disassembly, efficient decontamination, and tiered service support work together to keep SCBAs moving through the cycle from fireground to ready status.

When service is required, it flows through the appropriate channel — local partners for routine work, certified service centers for advanced repairs, or department-level service operations for agencies equipped to handle in-house maintenance.

The result is a fleet that stays available and consistent. Firefighters train on the same equipment they wear. Packs perform the same shift after shift. Departments maintain readiness without inflating spare inventories or absorbing prolonged downtime.

Simplified maintenance is not about doing less work. It is about removing unnecessary interruptions so SCBAs can spend more time where they belong — on rigs, on backs, and ready when the tones drop.



Tool-Free Assembly & Decon

Back in Service Without the Bottleneck

Serviceability determines readiness. When SCBAs linger in teardown, drying, or reassembly, availability drops and familiarity suffers. AirBoss is designed to move efficiently through post-incident work so equipment returns to service quickly and predictably.

The Dräger PSS AirBoss SCBA is built around a user-serviceable design that allows routine post-incident tasks to be handled without tools or specialized procedures. Harness components, pads, and straps release and reconnect through simple, deliberate interfaces that make sense even during long shifts or late-night turnarounds. Routine cleaning and inspection can be completed without extended downtime or unnecessary disassembly.

Materials are selected to support fast, effective cleaning. Smooth, non-absorbent surfaces shed soot, moisture, and contaminants instead of trapping them. The harness resists water absorption and does not gain weight during an incident, allowing it to dry more quickly after cleaning and reducing the time required before the SCBA is ready to go back into rotation.

Just as important, the breathing system remains sealed and protected throughout normal disassembly and decon. Firefighters and technicians can clean the harness thoroughly without opening pneumatics or adding extra steps before returning the SCBA to service. This limits variability, reduces the chance of error, and helps ensure the system behaves consistently every time it is worn.

User-serviceable design and efficient cleaning are not about convenience. They are about uptime. Equipment that can be cleaned thoroughly, reassembled correctly, and returned to service without delay is equipment that stays available — and stays trusted.

AirBoss is built to move through the entire service cycle without friction, keeping SCBAs where they belong: in rotation and ready when the tones drop again.



D-2687-2026

Introducing Dräger BlueClean

Consistent Cleaning. Predictable Results.

How SCBAs are cleaned and dried directly affects readiness, firefighter health, and how quickly equipment returns to service. Inconsistent methods and uncontrolled drying slow turnaround and increase wear on materials and electronics.

BlueClean is Dräger's validated approach to SCBA cleaning and drying, designed to deliver consistent results without damaging critical components. Defined wash processes remove soot and contaminants using approved detergents and controlled conditions, while compatible drying solutions move moisture out of padding and interfaces efficiently.

The system is built to scale. Smaller departments can implement simple, space-efficient workflows that fit limited staffing and facilities. Larger departments can expand the same approach to handle higher throughput and faster turnaround after major incidents or long operational periods. The process adapts to the department — not the other way around.

Drying is treated as part of the system, not an afterthought. Controlled drying options reduce moisture retention, shorten downtime, and help SCBAs return to service sooner than air-drying alone. Faster, more predictable drying means fewer packs sidelined and less reliance on spares.

Paired with AirBoss's tool-free design and non-absorbent materials, BlueClean supports a repeatable cycle from fireground to ready status — clean thoroughly, dry efficiently, reassemble, and return to service. Clean gear. Predictable process. Reliable uptime.



D-5141-2021

Dräger Quaestor 6000 & 8000

Precision Testing for Predictable Protection

Readiness isn't just about wearing gear. It's about knowing that every mask, every SCBA, and every protective suit will perform when it's needed — not just once, but consistently over time. The Dräger Quaestor test systems are purpose-built to bring that level of confidence into every respiratory protection workshop.

The Quaestor 6000 delivers semi-automatic static and dynamic testing tailored for respiratory protection shops with moderate test volume. Combining intuitive software with controlled manual steps, it guides technicians through pressure and leak checks of full-face masks, protective suits, and compressed air breathing apparatus. An integrated artificial lung simulates real breathing dynamics, and a modular design keeps the system flexible for a range of test types — all in a compact, transportable unit that fits easily on service workbenches or in service vehicles.

For higher-volume environments or where throughput and automation are priorities, the Quaestor 8000 builds on that foundation with fully automatic static and dynamic testing. Controlled by proven test software, it accelerates test sequences by automating valve actuation and data capture, significantly reducing technician time without sacrificing thoroughness. Ergonomic pressure connections and flexible test heads support efficient, repeatable testing of full-face masks, SCBAs, and even closed-circuit systems, capturing functional integrity and leak tightness with precision.

Both systems play a critical role in the Service & Uptime lifecycle:

- They confirm seal integrity and performance at each inspection interval.
- They surface issues early, before gear leaves the workshop and returns to front-line use.
- They produce objective, documented results that support fleet readiness and equipment traceability.

Testing is not an afterthought — it is part of ensuring that every element of respiratory protection performs as expected when conditions compress and decisions must be made instantly. With Quaestor at the heart of respiratory protection workflows, departments can be confident that masks and breathing systems — including AirBoss SCBAs — meet functional standards every time they go back into service.



D-1859-2021

Dräger Resource and Asset Management (RAM)

Workshop Intelligence That Keeps Gear Ready

Reliable equipment starts with reliable data. Knowing exactly what equipment is available, what needs service, and what is ready to go provides clarity and confidence — long before the next call sounds.

Dräger Resource and Asset Management (RAM) is a cloud-based workshop solution that brings real-time visibility and administrative control to respiratory protection workflows, giving departments a single, organized view of all gear, all statuses, and all due work.

RAM is designed to simplify what can otherwise be a complex set of tasks: inventory, maintenance tracking, document management, and test documentation. Instead of relying on scattered spreadsheets or paper logs, all devices — whether SCBAs, masks, cylinders, or other protective equipment — are cataloged in a central data pool. Each item's history, inspection record, location, and status are visible at a glance, empowering technicians and officers to plan service, anticipate needs, and reduce surprises.

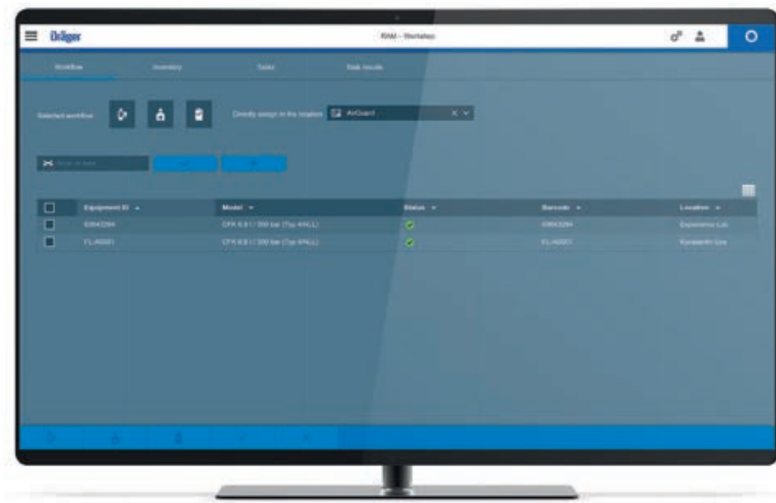
The software is browser-based and cloud-hosted, which means minimal IT workload and secure access from wherever work happens — in the workshop, in the apparatus bay, or on the go.

Multiple users can work simultaneously in the system, and asset records are consistently updated, backed up, and documented without manual duplicate entry.

RAM also connects directly to Dräger testing devices and systems. Test equipment such as static and dynamic mask testers can send results automatically into the RAM database, reducing transcription errors and saving technician time.

Documenting cleaning processes, service tasks, and maintenance intervals becomes paper-less, searchable, and traceable — all part of a complete equipment life-cycle record. Because it is open by design, RAM can track gear from other manufacturers as well, giving departments a workshop-wide picture of readiness instead of a product-specific subset. Custom workflows, maintenance checklists, and inspection intervals can be defined to fit real-world practices, not rigid software defaults.

In a world where uptime matters as much as performance, Dräger RAM turns intuitive workshop data into work-ready gear — reducing downtime, improving scheduling, and keeping SCBAs and associated equipment ready when the tones drop.



Dräger Celebrates 120 Years of Being Unstoppable in North Amercia



1907 Dräger opens its first U.S. office at 11 Broadway in New York. Dräger also launches the Pulmotor mobile resuscitator, the first portable resuscitator carried by emergency vehicles through the early 1900s.



1918 Pittsburgh firefighters relied on Dräger smoke helmets to push into smoke-filled and hazardous environments, marking an early chapter in the evolution of firefighter respiratory protection.



1925 During the 1920s, the Philadelphia Fire Department had adopted Dräger smoke helmets for rescue operations, allowing firefighters to operate in dense smoke and hazardous atmospheres.



1938. In 1938, Superman shared the page with real-life heroes: Drägermen. Armed with early Dräger breathing gear, these mine rescuers were running into danger to save others, just like Superman.



1953 Dräger was on top of the world in 1953 — literally. Sir Edmund Hillary and Tenzing Norgay became the first humans to stand atop Mount Everest — carrying Dräger technology on their backs.



1969 Dräger unleashed the PA 54, the first SCBA built around a single, 4,500 psi cylinder instead of the heavy twin low-pressure bottles. Now firefighters had the same air with half the bulk.



1975 The PA80 introduced balanced-pressure reduction and true positive pressure, keeping smoke out and clean air in, while the Panorama Nova mask delivered clear, distortion-free visibility.



1997 Dräger began experimenting with the SCBA, building early PSS 500 prototypes that tested an unconventional three-cylinder air system to study movement, leading to the ergonomic solutions today.



2007 As occupational cancer emerged as a critical threat, fire departments needed SCBAs that resisted soot and toxic residue. Dräger answered with the revolutionary, easy-to-clean PSS 7000 SCBA.



2025 With AirBoss, Dräger carried that evolution forward — earning 2025 NFPA certification with a system shaped by decades of firefighter experience and built for the realities of today's fireground.

1907 — 2027

1915 FDNY Rescue 1 drilling in Dräger smoke helmets, the predecessor to the SCBA. From 1915 until the 1940s, Dräger essentially served as the department's only dependable breathing protection.



1922 Lt. Thomas Kilbride demonstrating FDNY Rescue 1's Dräger smoke helmet telephone system, an early breakthrough from Dräger that let firefighters communicate at the scene of rescues.



1937 Before electronic sensors, firefighters relied on instinct to detect unseen gases. In 1937, Dräger changed that by introducing the first colourimetric gas detection tubes, making invisible danger visible.



1941 With the introduction of the Dräger Modell 10, firefighters could carry compressed air on their backs, providing roughly ten minutes of breathable air for short-term rescue operations.



1966 The Dräger BG 174 rebreather provided 4 hours of air — eight times more than the 30-minute SCBA limit. While built for mining rescue, its longer duration prompted some fire departments to adopt it.



1970 Cleveland adopted the first-ever flame-resistant turnout gear marking a new era, pairing modern bunker gear with advances in respiratory protection to better protect U.S. firefighters from heat and smoke.



1985 Challenger lifted off with Spacelab — and Dräger tech on board. NASA trusted Dräger to keep its Biorack lab ultraclean, using advanced microfilters and carbon systems built for zero-gravity science.



2004 **Dräger buys Swede Survival Systems, integrating Class A, live-fire training expertise into its mission of protecting firefighters through equipment, education, and immersive experience.**



2019 The latest Dräger PSS 7000 met 2018/19 NFPA certification with decades of field experience. Easy-to-clean, tool-free disassembly, ergonomic performance, and more provided a pivotal step to the next generation.





D-19736-2025

Dräger BlueClean

The Future of Gear Washing

How firefighting equipment is cleaned, dried, and returned to service has a direct impact on readiness, firefighter health, and long-term reliability.

Improvised processes, inconsistent detergents, and uncontrolled drying introduce variability that slows turnaround and accelerates wear on critical components. BlueClean exists to remove that variability.

Dräger BlueClean is a validated, system-based approach to cleaning and drying firefighter equipment — including SCBAs, face masks, helmets, and accessories — using defined processes rather than guesswork. WashBoss and DryBoss solutions are engineered specifically for the materials, electronics, and construction found in modern firefighting gear, delivering thorough decontamination without unnecessary mechanical stress.

BlueClean is designed to fit the reality of firehouses, not idealized facilities. Smaller departments can implement compact, efficient workflows that align with limited staffing and space. Larger organizations can scale the same approach for higher throughput and faster recovery after major incidents. The process adapts to the department — not the other way around.

By pairing controlled cleaning with predictable drying, BlueClean shortens downtime, preserves equipment integrity, and helps SCBAs return to service ready to perform — not just dry enough to wear. Clean gear is not the finish line. Consistent readiness is.



D-XXXX-XXXXX

Fireground Gas & Hazards Detection

Safety from Invisible Threats

Fireground hazards do not announce themselves. Toxic gases, oxygen-deficient atmospheres, and explosive conditions often develop silently — long before smoke clears or conditions feel unstable.

In those moments, awareness depends on detection that works immediately, accurately, and without interpretation.

Dräger's fireground gas and hazards detection solutions are built around this reality.

Portable and personal monitoring devices provide real-time insight into atmospheric threats, helping firefighters recognize changing conditions before they become emergencies.

From overhaul to confined-space operations, detection supports safer decision-making where visibility and intuition fall short. Dräger's strength in gas detection is not new. It is rooted in almost a century of experience measuring, identifying, and quantifying invisible danger across industrial, rescue, and emergency environments.

That expertise carries directly onto the fireground, where reliability, clarity, and speed matter more than feature lists. Dräger's comprehensive collection of detectors includes area monitoring to handheld multi-hazard to small one-gas to colourimetric tubes kits.

Detection is not about adding another device to manage. It is about giving firefighters information they can trust — delivered clearly, without delay — so they can act decisively when conditions are changing faster than plans.



D-1922-2016

Genuine Swede Survival Systems

Fire Training You Can Trust

Firefighters do not train to pass scenarios. They train to recognize behavior of smoke, fire, and more to predict and combat.

Genuine Swede Survival Systems, part of the Dräger portfolio, are engineered live-fire training environments designed to replicate real fire dynamics — not simplified demonstrations.

These systems allow instructors to create controlled, repeatable conditions that expose firefighters to heat, smoke movement, fire growth, and ventilation effects the way they occur in actual structures.

The value of Swede systems lies in their realism and consistency. Fire behavior responds to firefighter actions in predictable ways, allowing crews to see cause and effect rather than memorize outcomes. This builds understanding, confidence, and discipline that transfer directly to the fireground.

Modular designs support everything from single-room evolutions to complex, multi-compartment scenarios.

Departments can tailor training to their tactics, building construction types, and operational priorities without relying on disposable props or short-lived setups.

Swede Survival Systems are not about spectacle. They are about repetition, realism, and respect for the complexity of fire — because the fireground does not adjust itself to training shortcuts.



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More Firefighter Equipment

Tools for Every Incident

Dräger's commitment to firefighting extends beyond SCBAs. The broader equipment portfolio is built around the same principles that define AirBoss: reliability under stress, clarity of information, and systems that support firefighters without demanding attention.

Thermal imaging cameras — like the FireVista — provide clear visual insight through smoke, helping firefighters orient, search, and identify hazards without slowing movement.

Advanced respiratory solutions — including closed-circuit breathing apparatus such as the ProAir — support extended-duration operations where conventional air supply is not enough.

Gas detection systems add another layer of awareness, identifying hazardous atmospheres and unseen threats before they escalate into life-threatening conditions.

Each piece of equipment is designed to function as part of a larger system, not as an isolated product. Interfaces, ergonomics, and serviceability are considered together so tools work with firefighters — not around them.

Dräger does not approach firefighting equipment as a catalog of features.

It approaches it as an ecosystem built to perform in environments that expose weakness quickly and without mercy. Whether the job demands visibility, endurance, detection, or protection, the focus remains the same: predictable performance no matter what.

About Dräger

From Tapping Beer Kegs to Technology for Life

Dräger's story begins not in a hospital ward or on a fireground, but in a brewery.

In 1889, Johann Heinrich Dräger was frustrated by unreliable beer tap systems that wasted pressure and delivered uneven flow.

A trained precision mechanic, he believed the problem wasn't the beer — it was control. He set out to design a pressure-reducing valve that could manage compressed gas safely, consistently, and predictably. The result was a breakthrough in gas regulation, created to pour beer properly, but capable of much more. That invention became the foundation of the company that still bears his name today.

What followed was not a leap, but a progression. Dräger quickly realized that controlling gas pressure had implications far beyond brewing. The same principles could be applied to oxygen, opening new possibilities in medicine, rescue, and industrial safety.

Early anesthesia machines helped surgeons deliver precise gas mixtures during operations. Portable breathing devices allowed miners and rescue teams to work where air could not be trusted. Mechanical ventilators made it possible to revive people pulled from smoke, water, and collapse.

As the twentieth century unfolded, the stakes grew higher. Industrialization, mining disasters, modern warfare, and expanding cities exposed a common reality: human life depends on breathable air, controlled oxygen, and early detection of invisible threats. Dräger engineers responded by refining breathing apparatus, developing gas detection technologies, and building life-support systems that steadily raised expectations for safety across industries and emergency services.

By the early 1900s, when fire departments in Europe and North America began adopting respiratory protection, Dräger equipment was already trusted underground, at sea, and in operating rooms.

That trust carried forward through decades of innovation — from early smoke helmets and mine rescue devices to self-contained breathing apparatus, gas detection systems, and integrated safety platforms designed for increasingly complex environments.

Throughout its history, Dräger has remained a family-owned company, guided by a simple but demanding principle: technology must serve life. Each generation built on the last, applying engineering discipline not to novelty, but to real human needs — safer surgeries, survivable rescues, reliable breathing in hostile environments.

More than a century later, Dräger focuses entirely on medical and safety technology. Its systems protect patients, workers, and first responders in places where failure is not theoretical and mistakes are not forgiven.

What began as a solution for pouring beer became a lifelong commitment to breathing, survival, and protection. And that commitment continues — wherever clean air, clear information, and human life depend on it.



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Dräger Headquarters in Mississauga, Ontario

Try it, you'll like it.
Use it, you'll love it.

The first impression matters — but repetition is what builds trust. AirBoss feels right when you put it on, then proves itself through movement, air delivery, awareness, and recovery. Over time, it stays predictable under load, returns to service without friction, and performs the same shift after shift. What begins as confidence turns into reliance. And reliance is what firefighters come back to — call after call, year after year.

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