



Sentinel XT™

PROTECTING PEOPLE,
INCREASING PRODUCTIVITY





PROTECTION WITHOUT BOUNDARIES

The Sentinel XT™ PAPR (Powered Air-Purifying Respirator) system from ILC Dover — which includes a unique clear hood, Quick-Loc™ waist belt or back harness, robust blower, filters and breathing tube — offers five distinct advantages over hooded PAPRs from other manufacturers. All of these help those who wear the Sentinel XT system enjoy better visibility, more comfort, greater safety and higher productivity.

These benefits include:

- Unobstructed view
- Longer battery life
- Enhanced airflow
- Snag-resistant surfaces
- Non-incendive option

Sentinel XT™ and Quick-Loc™ are trademarks of ILC Dover.









1 UNOBSTRUCTED FIELD OF VIEW

Most PAPRs have internal suspension systems for their hoods, such as headbands, internal structures or support mechanisms, and have a field of view of 180° or less. Taken together, these can restrict an individual's movement within the hood, may require head rotation to see objects outside the 180° field and may compromise vision.

The unique clear hood of the Sentinel XT system is held aloft by positive air pressure, creating more comfort and freedom of movement inside the hood. The face shield of the Sentinel XT also features a full 320° field of view. This makes it easier for the user to see objects at greater distances with just a glance or an eye movement, and permits a more natural work posture.

2 LONGER BATTERY LIFE

A majority of PAPR systems are powered by batteries lasting four to eight hours. This means that workers, especially those working longer shifts, must interrupt their task or leave the work area to install fresh batteries. The Sentinel XT system's lithium polymer batteries are the only standard battery packs designed to last 12 hours, and they can be recharged quickly and repeatedly. This means less down time, fewer battery replacements and less maintenance.

3 A COOLER, MORE COMFORTABLE HOOD

All PAPRs are required to meet the NIOSH minimum air-velocity requirement of 6 cfm. However, the Sentinel XT system offers up to 8 cfm — 33% greater airflow within the hood and suit, to improve control of body temperature, reduce dehydration and reduce worker fatigue caused by overheating. Additionally, the elimination of unnecessary inner-support mechanisms helps to reduce sweat, skin chafing, irritation and rash. The resulting extra room also permits the hood to accommodate safety glasses and hard hats.

4 SNAG-RESISTANT DESIGN FOR BLOWER, FILTERS AND BATTERY PACK

Many hooded PAPR systems come with complex, cumbersome wiring, cables and connections, plus irregular-shaped belts and battery/blower surfaces that are prone to accidental snags. This not only interrupts worker productivity, but could also potentially disconnect wires or power cables, causing the PAPR to shut down, stop airflow and put the wearer's health and safety at risk.

The Sentinel XT system's smooth exterior surface design features an integrated battery pack and blower, and filters that attach directly to the housing. And the wearer's belt is seamless. The result is less risk of snags and disconnects. And the wearer won't have to leave the work area to resecure the battery and connections.





5 NON-INCENDIVE BLOWERS AVAILABLE FOR HAZARDOUS AREAS

Some pharmaceutical operations have areas classified as hazardous. A spark could potentially be catastrophic. And while some PAPR systems for hazardous-area use may be certified as non-incendive, many of those certifications are from non-U.S. agencies. Only the Sentinel XT PAPR system is certified by Factory Mutual Global Group for service in Class I, II and III, as well as in Division 2, Group C, D, E, F and G hazardous locations, thanks to its brushless, no-spark motor design. The brushless design is also quieter and more durable, and offers a higher torque-to-weight ratio for greater operating efficiency.

The Sentinel XT carries many NIOSH approvals for a range of hoods and filter options.



TALK WITH OUR EXPERTS

At ILC Dover, we look forward to collaborating with you to develop systems tailored to your exact needs. To speak with one of our experts, simply call **+1.302.335.3911** or visit **www.ilcdover.com**.



BEYOND BOUNDARIES™

Innovators at our core, we develop engineered solutions for our customers' complex problems. Recognized globally for our flexible containment solutions, ILC Dover serves customers in a diverse range of industries, including pharmaceutical and biopharmaceutical manufacturing, personal care, food and beverage, chemical, aerospace, healthcare and government agencies. At ILC Dover, quality is a culture, not a measurement. Our customers will tell you that we cater to their every need and that we're highly innovative, responsive, dedicated and competitive. We have been innovating since 1947. ILC Dover's visionary solutions improve efficiency, safeguard workers and product, and prevent disasters — proof that we are on the front line of business excellence.

Engineering evolution beyond boundaries.



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