



# Sentinel Clear XE™

PROTECTING PEOPLE,  
INCREASING PRODUCTIVITY



# CLEAR SOLUTIONS FOR MISSION CRITICAL PROTECTION

ILC Dover is a recognized leader in the design and delivery of high-performing softgood solutions for perilous environments. What we do for astronauts working and living in space we continue to do for pharmaceutical personnel and life science professionals.

The Sentinel XE™ 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. These key elements help those who wear the Sentinel XE system enjoy better visibility, more comfort, greater safety and higher productivity.

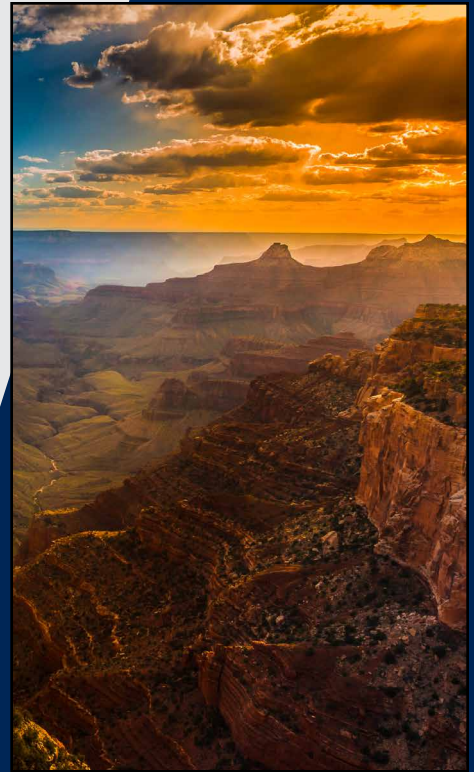
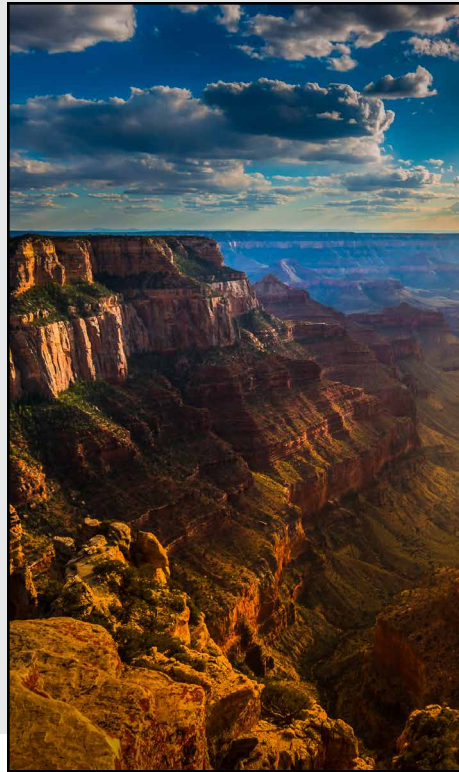
## *THESE ADVANTAGES INCLUDE:*



# 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 XE system is held aloft by positive air pressure, creating more comfort and freedom of movement inside the hood. The clear hood of the Sentinel XE improves operator safety permitting visibility from all sides including above the head with 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 improves operator security allowing the operator recognition from any angle.



## 2 BETTER AIRFLOW

The Sentinel XE Clear PAPR System delivers a TH3 level of protection available under EN 12941 (TH3 level) and delivers 220 LPM 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.





### 3 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 XE system's lithium polymer batteries are the only standard battery packs designed to last 12 hours, displays an easy to see battery life indicator gauge and can be recharged quickly and repeatedly. This reduces productivity loss while increasing safety from operators requiring battery swaps.



## 4 ERGONOMICALLY DESIGNED FOR COMFORT

The Sentinel XE Clear PAPR is ergonomically designed for optimum comfort during longer shifts and complex operations allowing more engagement and better productivity. The clear hood requires no fit testing and is a one size fits all design suspended by airflow.

This eliminates the need for a head harness and associated uncomfortable pressure points and permits the head to move freely within the hood. A lightweight blower coupled with an adjustable waist belt and available back harness option rounds out the ergonomic design.



## 5 RELIABLE AND COST EFFECTIVE

- Proven technology with 10+ year track record of reliability
- Brushless motor design for long life and continued quiet operations
- Robust design with secondary impact protection chamber for air handling unit

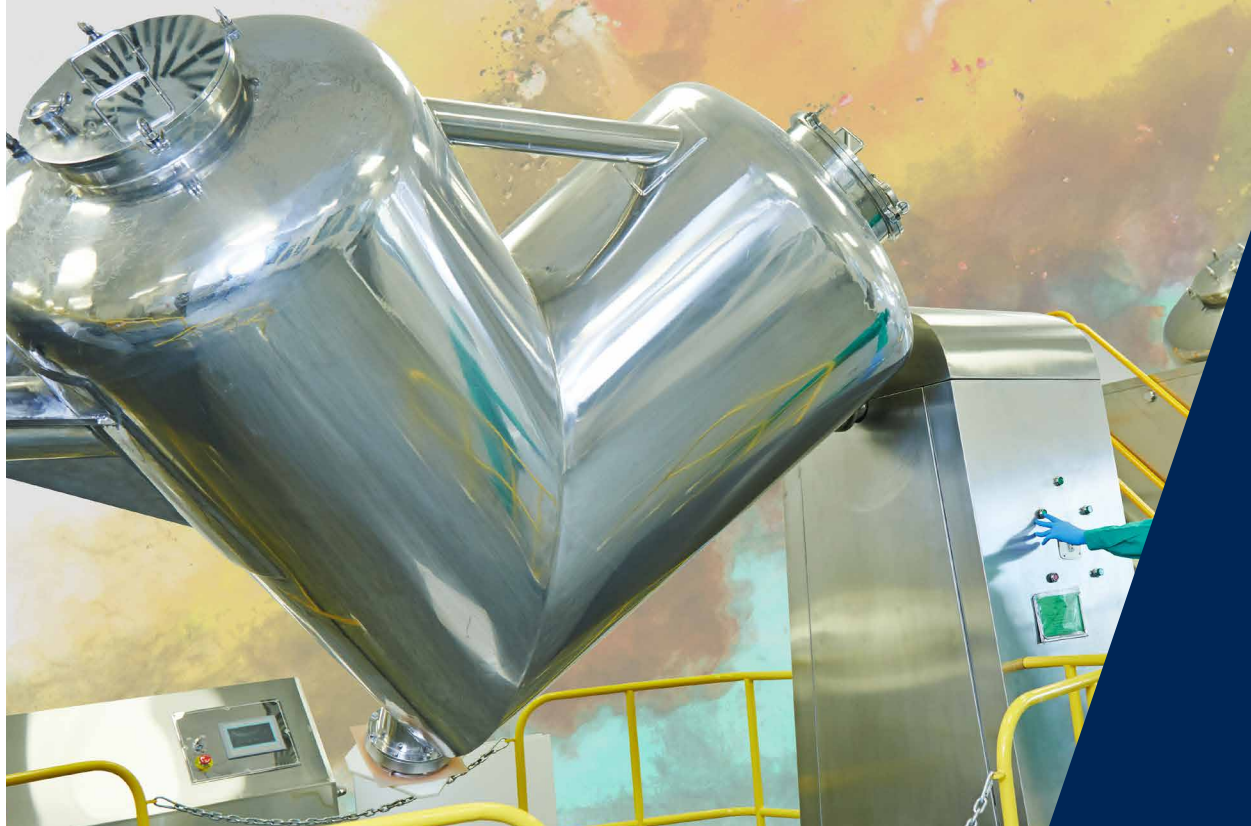
## TALK WITH OUR PROTECTION EXPERTS

ILC Dover maintains an uncompromised commitment to environmental health and safety, and we look forward to collaborating with you to keep your workers safe and comfortable. To place an order or request a demo, contact us today — and be sure to request ILC Dover's Sentinel Clear PAPR for your protection needs.

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**Website:** <https://www.ilcdover.com/personal-protective-equipment/pharma-paprsXE/>





# 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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