



The Sentinel Clear®

PAPR SYSTEM



Clear Solutions for Mission-critical Protection

ADVANCED 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.

ILC Dover's Sentinel Clear™ Hood, combined with its XT blower, is a best-in-class powered air purifying respirator (PAPR) that delivers an Assigned Protection Factor (APF) of 1,000 for a full 12 hours of operation. It's the clear choice for pharma in-house manufacturing and contract manufacturing organizations that must safeguard employees from airborne particles, cleaning solvents, and bioactive ingredients.

ENHANCED PRODUCTIVITY

The Sentinel Clear PAPR is a superior solution when compared to other PAPR masks and facepieces. It offers a full 320-degree field of view, allows the wearer to have facial hair and/or a head covering, and reduces feelings of claustrophobia.

SMART SYSTEM DESIGN

Multiple filter and breathing tube options ensure that the assembly is easy to use and supports a range of applications.

STRONG, LIGHTWEIGHT BLOWER

The XT blower, when paired with ILC Dover's lithium polymer battery, weighs just 2.2 pounds, yet delivers 8+ CFM airflow, exceeding NIOSH requirements. A nonincendive configuration is available for use in hazardous locations.

IMPROVED ERGONOMICS

Our back harness and Quick-Loc™ belt options support a range of user needs and preferences while increasing comfort and usability.



The Sentinel Clear system is the only PAPR that offers a clear hood engineered with advanced film technology for excellent visibility, comfort, and mission-critical protection.

Protection Beyond Boundaries.

You may know ILC Dover for our pharmaceutical containment, but we bring the same commitment to quality and expertise to personal protective equipment. ILC Dover's Sentinel Clear™ Hood, combined with its XT blower, is an advanced PAPR providing excellent levels of protection and comfort to pharmaceutical and life sciences workers.

TECHNICAL SPECIFICATIONS

SENTINEL CLEAR HOOD

Assigned Protection Factor	1,000
Field of View	320 degrees
Configuration/design	Inner and outer bibs for easy donning and protection from breach — unique skirt/exhaust system inflates suit to deliver improved protection and comfort
Material	Non-woven, spunbond, polyethylene coated, polyolefin and polyethylene film
Lens Material	Polyester film (PET)
Sizing	Universal
Standards	NIOSH-approved

SENTINEL XT BLOWER/BATTERY

Motor	Brushless, no-spark design, with a high torque-to-weight ratio for greater operating efficiency
Battery Composition	Lithium polymer
Battery Life	12 hrs
Battery Mount	Direct snap-on to blower
Weight	2.2 lbs
Airflow	8 scfm (230 lpm)
Noise Level	<75 dB
Indicators	External battery life indicator gauge shows charge level
Cartridge Interface	40 mm rolled threads — integration with integral blower gaskets
Standards	XT/NI system is Factory Mutual Global Group approved for service in Class I, II and III, Division 2, Group C, D, E, F and G hazardous locations

FILTERS

Particulate Protection	P100/HEPA cartridges
Organic Vapor and Acid Gas Protection	OV/AG/HE cartridges
Additional Protections	Multi-hazard cartridges provide protection against ammonia, methylamine, formaldehyde, chlorine, sulfur dioxide, hydrogen chloride, chlorine dioxide and hydrogen fluoride
Attachment	40 mm

ACCESSORIES

Breathing Tubes	25- and 33-inch lengths — available with breathing tube and blower covers
Battery Charger	Charging cradle/charger
Flowmeter	Easy-to-use flowmeter to test airflow
Ergonomic Options	Quick-Loc decon belt is easy to use and clean — adjustable back harness ideal for seated applications



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 pharmaceutical protection needs.



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