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ENGINEERED TO PROTECT

Sentinel Clear XE™

PAPR SYSTEM SELECTION GUIDE

The Sentinel Clear™ Hood, when paired with ILC Dover's XE blower, forms a best-in-class powered air purifying respirator (PAPR) engineered for use in pharmaceutical and biopharmaceutical environments across Europe.

Why Choose the Sentinel Clear XE™?

ILC Dover's Sentinel Clear XE™ PAPR systems are engineered around three core pillars:

safety, comfort, and durability. We understand that in demanding environments where long shifts are the norm, comfort is just as essential as protection. That's why the Sentinel Clear XE™ is designed with the worker in mind, delivering reliable safety, ease of use, and all-day wearability without compromise.



INTRODUCING ATEX-Certified Sentinel XE™ PAPR System

(see next page for details)



Capabilities

- Lightweight, ergonomic design for comfort during long shifts
- 320° field of view with clear hood options for safety and mobility
- Strong airflow delivering 200 LPM
- Maximum protection at TH3 level (highest under EN 12941)
- Long battery life with a 12-hour rechargeable lithium polymer battery



Easy-to-Use

- Quick and easy to assemble
- Easy-to-read battery life meter
- Single-button operation
- Quick-Loc belt and backpack options



Reliability

- Increased productivity and reduced replacement costs
- Durable brushless motor with secondary impact protection
- Long service life reduces the total cost of ownership

ATEX-CERTIFIED SYSTEM

The Sentinel Clear XE™ is ATEX-Approved



ILC Dover is proud to introduce an important addition to Sentinel Clear XE™: an ATEX-certified blower with a lithium battery pack. This Ex-rated system is purpose-built to protect pharmaceutical and biopharmaceutical professionals working in potentially explosive environments, where respiratory hazards may be present due to gases, vapors, mists, or dusts.

Designed for safety and compatibility, the ATEX-certified blower seamlessly integrates with Sentinel Clear™ panoramic hoods and system accessories, delivering the same trusted protection, visibility, and comfort the product line is known for.



Capabilities

- Meets EN/ISO 60079-0 and EN/ISO 60079-11
- IECEx compliant
- IP54 ingress protection
- II 3G Ex ic IIB T5 Gc
- II 3D Ex ic IIIB T100 °C Dc
- Approved to EN 12941 A2P3, TH3 levels of protection

UPDATED DESIGN FEATURES



Secure battery latch creates a seal to support IP ingress compliance

Reinforced housing withstands severe impact testing



Applications

- Pharmaceutical manufacturing
- Biopharmaceutical manufacturing
- Laboratories
- Suite cleaning and sterilization

SENTINEL CLEAR XE™ ATEX STARTER KIT:

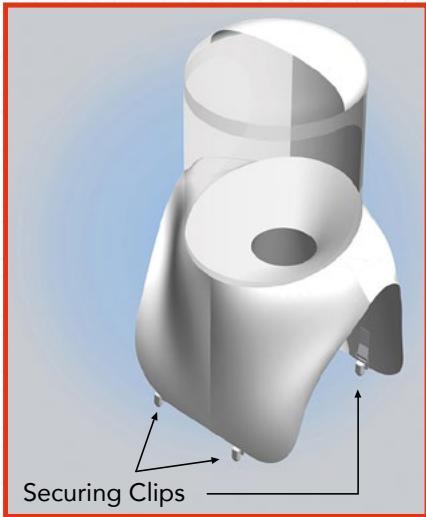


Sentinel Clear XE™ PAPR Systems

Parts & Accessories

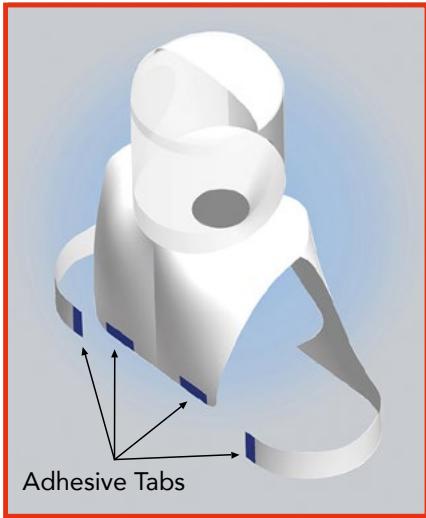
Panoramic View Hoods

Sentinel Clear™ Hood S-3112



The above photo shows a clear hood with an outer shroud attached to the protective suit with securing clips (front and back).

Sentinel Clear™ Hood Plus S-3324



The above photo shows a clear hood in which the outer shroud wraps around and secures to the protective suit front with adhesive tabs (shown in dark blue).

Sentinel Clear™ Hood Benefits

- 320° field of view for enhanced safety and mobility
- Comfortable design without ratcheted headgear; airflow supports hood on neck and shoulders
- Universal fit; one size for all users
- Dual skirt design for added protection
- TH3 level of protection (highest under EN 12941)
- Latex-free materials

Sentinel Clear XE™ PAPR Systems

Parts & Accessories

Blowers & Accessories

AIR DELIVERY SYSTEM



S-3502

Blower Sentinel XE



S-3802

Blower Sentinel
XE, ATEX



S-2010

Flow Meter



S-3506

Extendable
Breathing Tube

FILTRATION



S-4016

HEPA Cartridge



S-4017

A2P3 Cartridge

POWER SUPPLY



S-3503
LiPO
Rechargeable
Battery

*S-4504
(EU & UK)
Charging Kit
(Charger & Cradle)



S-3803
LiPO
Rechargeable
Battery, ATEX

SUSPENSION



S-4011

Quick-Loc Waist Belt



S-3105

Back Harness

INSTALLATION TOOLS

6000-61508-02

Breathing
Tube Cover
Installation Tool



COVERS



S-3103
Blower Cover



S-3804
ATEX approved
Blower Cover



S-3102
Breathing
Tube Cover

Sentinel Clear XE™ PAPR Systems

Parts & Accessories

Sentinel Clear XE™ Systems

*S-3500 (EU & UK)

Sentinel XE
PAPR System



*S-3806 (EU & UK)

Sentinel XE ATEX
PAPR System

*Electric plug adapter not shown

Both systems (S-3500 and S-3800) are part of the Sentinel Clear XE™ product line for the EU and UK and look nearly identical in core components. The difference lies in the blower unit:

S-3500 Series

Uses the standard Sentinel XE blower (gray unit with digital display). This is the base PAPR system, designed for most pharmaceutical and biopharmaceutical applications.

S-3800 Series

Uses the ATEX-certified blower (black unit with yellow hazard labeling). This model is approved for use in potentially hazardous environments where gases, vapors, mists, or dusts could create ignition risks.

Why It Matters

S-3500 → Best choice for routine pharmaceutical and cleanroom manufacturing where explosive hazards are not a concern.

S-3800 → Required in environments that demand ATEX compliance to ensure worker protection and equipment safety in explosive atmospheres.



Your Process. Our Priority.

For more than twenty-five years, ILC Dover has led the industry in single-use powder and liquid handling, solving life sciences' most complex bioprocessing challenges. Our expertise is showcased through pioneering breakthroughs such as EZ BioPac®, a first-of-its-kind in powder handling; DoverPac®, the epitome of excellence in HPAPI containment; and ArmorFlex® films, renowned for superior resistance and anti-static properties.

We uphold our mission to deliver custom containment solutions so you can uphold your mission to deliver life-saving therapies.

Choose ILC Dover's Sentinel Clear XE™

Trust ILC Dover for a best-in-class powered air purifying respirator (PAPR) engineered for use in pharmaceutical environments across Europe.



Scan the QR code to connect with
ILC Dover for ordering details.

Rapid turnaround available.



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