

OPTREL SERIES

optrel®
swiss made 



PSA
WHERE SAFETY MEETS TECHNOLOGY

Gas Detection Instrumentation, Respiratory
Protective Equipment, Alcohol Breathalysers
and Specialised Safety Equipment

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One Helmet. Every Task.



SLIDE UP FUNCTION

The innovative slide-up visor allows seamless switching between welding and clear-view modes, eliminating the need for multiple face shields.



MINIMISER

For an even more compact shape in the tightest of spaces

OPTREL HAT

Industrial safety helmet to EN 397 standard, available in black or white

FIELD OF VIEW

Enjoy a field of view up to six times larger than a standard welding cassette.

ISOFIT® HEADBAND

For maximum customisation options

The Helix 2.5 combines a panoramic field of vision, innovative slide-up design and advanced auto-darkening technology to deliver exceptional comfort, visibility and performance.

Designed for welders who frequently switch between **welding, grinding and preparation work**, the Helix 2.5 eliminates the need for multiple face shields while helping improve productivity and safety.



FadeTronic

For even more comfort when working with optrel helix



IsoFit® Headgear

Perfect fit thanks to the most individual adjustment options



Multi-Sensor-Detection

Up to 5 sensors for maximum security



ShadeTronic®

ShadeTronic® as automatic and infinitely variable protection level adjustment for a welding helmet.



Panorama-XXL Field of View

Enjoy a field of view up to six times larger than a standard welding cassette.



Position Locker

Two-position locking function for a securely opened or closed helmet.

See More. Do More.



Two Solutions. One Optrel Standard.

Whether you're **welding, grinding, preparing or inspecting**, Optrel delivers premium protection designed to improve comfort, visibility and productivity. Both the Helix 2.5 Pure Air & Clearmaxx are compatible with the Optrel e3000X PAPR system, providing advanced respiratory protection for demanding industrial environments. Together, they offer the right combination of safety, performance and comfort for every task.



Slide-Up Design

Quickly switch between welding, grinding and preparation work without removing your helmet, improving productivity and workflow efficiency.



True Colour Technology

Provides a bright, realistic view of the workpiece, improving weld quality, reducing eye strain and enhancing overall visibility.



FadeTronic

Gradually returns the lens to its light state after welding, reducing eye fatigue and improving comfort during repetitive welding tasks.



ShadeTronic®

Automatically adjusts the shade level to suit changing welding conditions, ensuring optimal eye protection at all times.



IsoFit® Headgear

Advanced ergonomic headgear adapts to the shape of the wearer's head for exceptional comfort, stability and reduced pressure points.



Panorama-XXL Field of View

Experience a field of view up to six times larger than a standard welding cassette, providing exceptional visibility, improved awareness and greater precision.



HELIX 2.5 PURE AIR WELDING, GRINDING OR CUTTING

- ✓ LIGHT STATE 2.5
- ✓ PANORAMA XXL VIEW
- ✓ WELDING + GRINDING
- ✓ AUTO-DARKENING FILTER
- ✓ ISOFIT® COMFORT SYSTEM
- ✓ SHADETRONIC® TECHNOLOGY
- ✓ COMPATIBLE WITH E3000X
- ✓ PURE AIR RESPIRATORY PROTECTION

CLEARMAXX GRINDING

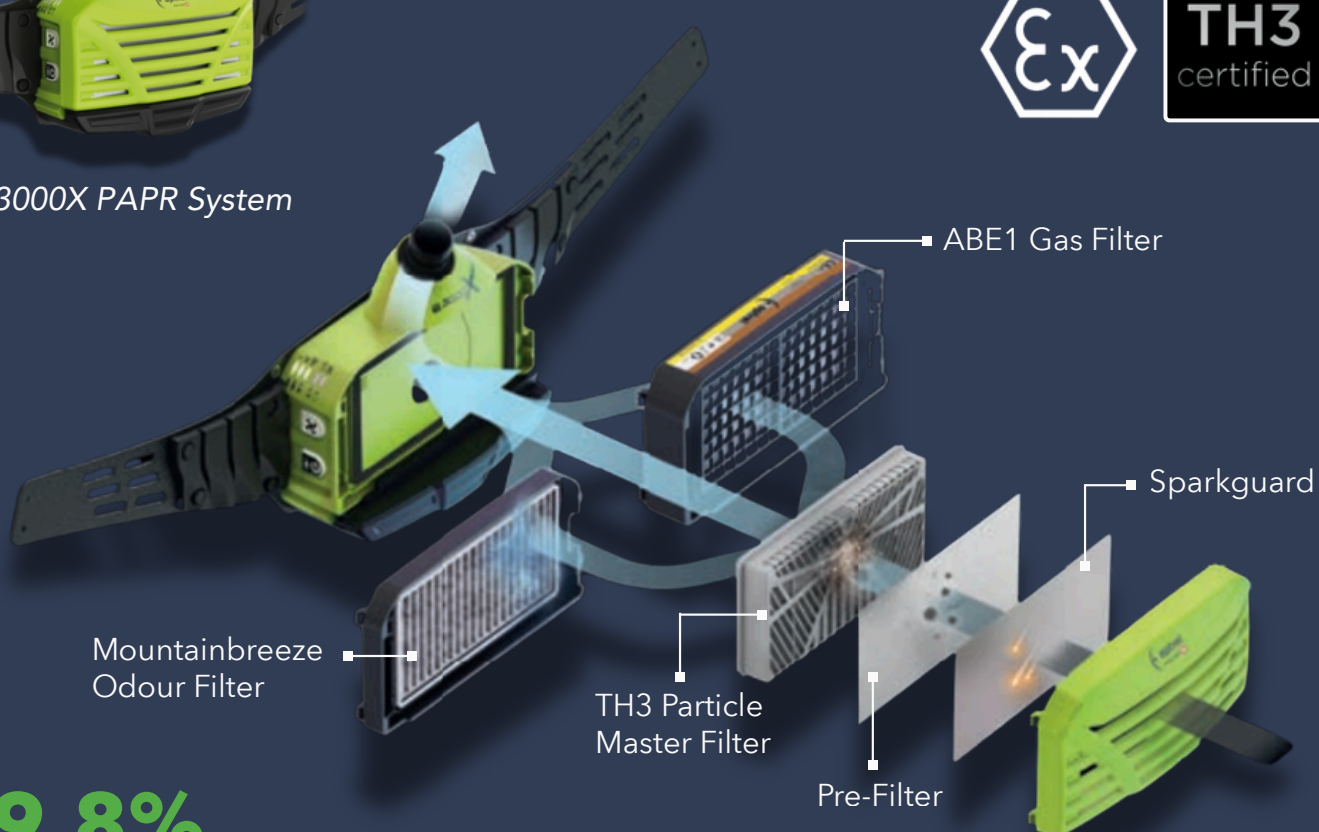
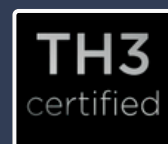
- ✓ WIDE UNOBSTRUCTED VIEW
- ✓ PANORAMIC CLEAR VISION
- ✓ GRINDING + FACE PROTECTION
- ✓ CRYSTAL-CLEAR VISOR
- ✓ EXCEPTIONAL WEARER COMFORT
- ✓ LIGHTWEIGHT DESIGN
- ✓ COMPATIBLE WITH E3000X
- ✓ RESPIRATORY PROTECTION COMPATIBLE

Cleaner Air. Safer Work.

The Optrel e3000X is an advanced powered air-purifying respirator (PAPR) designed for **welding, grinding, metal fabrication, surface preparation** and other industrial applications where workers are exposed to fumes, dust, smoke and airborne contaminants.



e3000X PAPR System



99.8%
CLEAN AIR

By continuously supplying clean, filtered breathing air, the e3000X helps reduce exposure to hazardous particulates while improving comfort and reducing fatigue during extended periods of work. Featuring TH3 respiratory protection, optional ATEX certification and a modular filtration system with particle, odour and ABE1 gas filter options, it provides reliable protection across a wide range of industrial environments.

Compatible with both the Optrel Helix 2.5 Pure Air and Clearmaxx systems, the e3000X delivers maximum respiratory protection without compromising mobility, visibility or productivity.

Breathe Easier. Work Smarter.



SWISS AIR

THE REVOLUTIONARY PAPR

The Optrel Swiss Air is an advanced powered air-purifying respirator designed for **welding, grinding, fabrication, construction** and other industrial applications where respiratory protection is essential.

Delivering clean, filtered breathing air through a lightweight positive-pressure system, Swiss Air combines exceptional comfort, mobility and universal compatibility across the Optrel range, helping workers stay protected, productive and comfortable throughout the workday.

ITH3/TM3 CERTIFIED

Advanced protection against airborne contaminants.

ADVANCED FILTRATION SYSTEM

Multiple filtration options for different applications.

UNIVERSAL OPTREL COMPATIBILITY

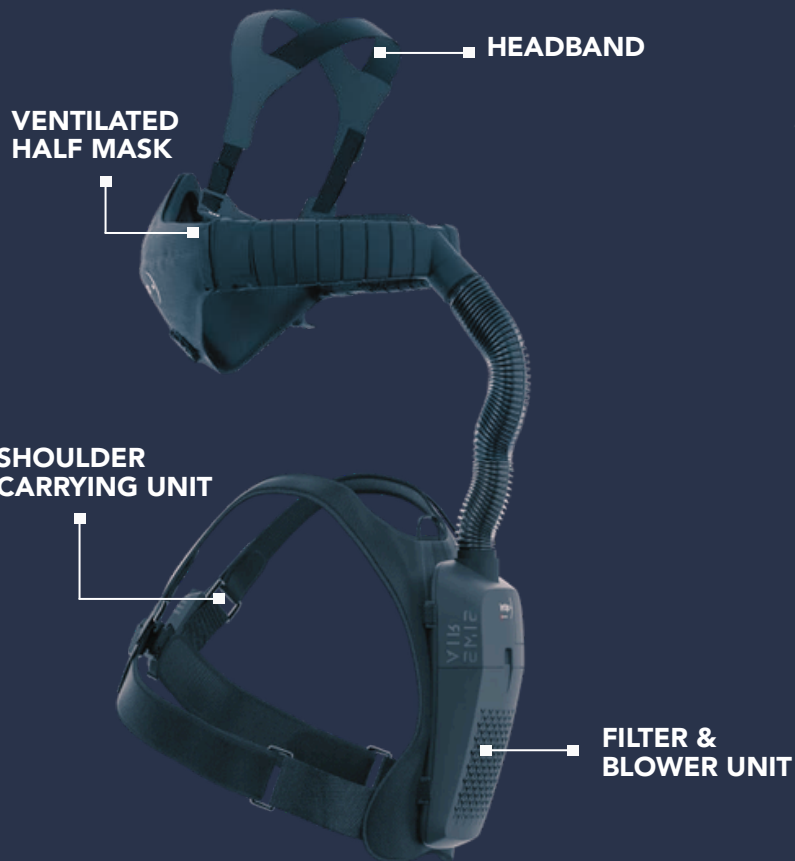
One respiratory protection system for multiple applications.

ALL-DAY BATTERY PERFORMANCE

Up to 12 Hours Battery Life

LIGHTWEIGHT & ERGONOMIC DESIGN

Built for all-day comfort.



NO MASK FIT TEST REQUIRED



POWER BATTERY
Display of charge status.

FILTER STATUS
Easy to read the current filter status for maximum safety.

ROTARY CONTROLLER
Simple adjustment to any increment to ensure your optimum air flow.

You always have full control of all functions from the central control panel.

Securely positioned on the chest piece of the shoulder harness:

- Switching on and off
- Easy-to-read filter and battery status
- Air flow can be adjusted for maximum comfort
- Automatic altitude and temperature compensation

Work Longer. Feel Better.



HELIX 2.5 PURE AIR HELMET

Specification	Details
Product Type	Welding Helmet with Integrated Respiratory Protection
Auto-Darkening Range	Shade 4/5-12
Viewing Area	Panorama XXL
Respiratory Protection	Integrated Pure Air System
Optical Technology	ShadeTronic® & FadeTronic®
Grinding Mode	Slide-Up Grinding Function
Weight	Approx. 770 g
Standards	EN 379 / EN 12941 TH3
Applications	Welding, Grinding & Cutting

CLEARMAXX HELMET

Specification	Details
Product Type	Face & Eye Protection System
Visor Type	Panoramic Clear Visor
Optical Class	EN 166 Class 1
Viewing Area	Panoramic Field of Vision
Respiratory Compatibility	Optrel e3000X
Headgear	Adjustable Ergonomic Headgear
Weight	Approx. 500 g
Standards	EN 166 Certified
Applications	Grinding, Preparation & Inspection

E3000X PAPR

Specification	Details
Product Type	Powered Air Purifying Respirator (PAPR)
Protection Class	TH3
Filtration Efficiency	99.80%
Airflow Levels	170 / 210 / 240 L/min
Battery Runtime	Up to 18 Hours
Airflow Control	Automatic Calibration
Weight	Approx. 1.56 kg
Standards	EN 12941 TH3
Applications	Welding, Grinding & Industrial Processes

SWISS AIR PAPR

Specification	Details
Product Type	Powered Air Purifying Respirator (PAPR)
Protection Class	TH3
Filtration Efficiency	Up to 99.8%
Airflow System	Positive Pressure Airflow
Battery Runtime	Up to 14 Hours
Climate Control	Integrated Climate Package
Weight	Approx. 550 g
Standards	EN 12941 TH3
Applications	Welding, Grinding & General Industry



Helix 2.5 Pure Air Helmet



Clearmaxx Helmet



e3000x PAPR



Swiss Air PAPR