

PRODUCT OVERVIEW

RESPIRATORY PROTECTION



 **optrel®**
swiss made 

PROTECTING
PROFESSIONALS



OUR FRESH AIR SYSTEMS
GUARANTEE SAFETY EVEN
UNDER THE MOST DIFFICULT
WORKING CONDITIONS.

Marco Koch, president optrel AG

SIMPLE. COMFORTABLE. SAFE.

RESPIRATORY PROTECTION SYSTEMS FROM OPTREL.

Many workplaces and public spaces generate pollutant emissions such as smoke, soot particles, particulate matter, or viruses that can enter the lungs through the nose, throat, and trachea, causing asthma, chronic cough, bronchitis, or other respiratory diseases, including lung cancer.

With an optrel respiratory protection system you are always optimally protected and can fully concentrate on your tasks.

SWISS AIR

Safety never felt so comfortable.

THE REVOLUTIONARY PAPR SYSTEM



reddot winner 2021

TH3
certified



TH3 CERTIFIED
PARTICLE FILTER



STEPLESSLY ADJUSTABLE
AIR FLOW



AUTOMATIC AIR
FLOW CONTROL



6-12 H POWER BATTERY *



BREATH
SUPPORTING



NO FIT TEST
NECESSARY

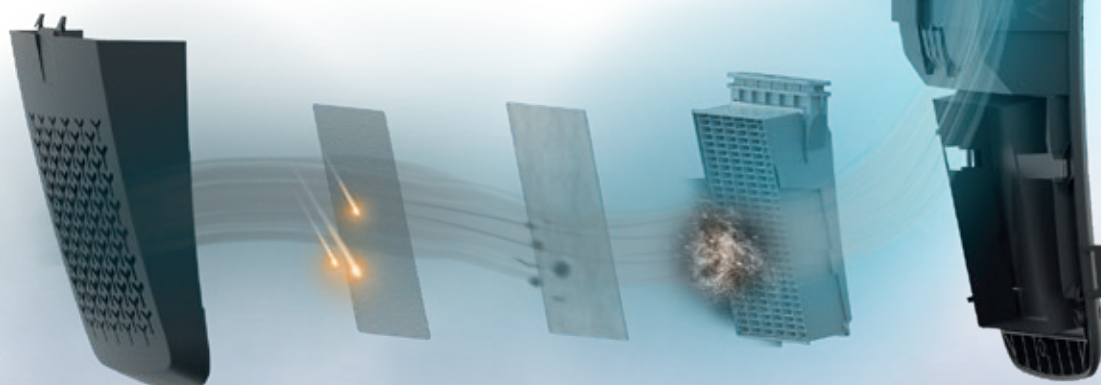
* Operating time depending on air flow, at room temperature with a new filter.



optrel swiss air meets the highest requirements for professional respiratory protection systems and complies with standard TH3: 99.8% of all harmful particles, aerosols, vapors, smoke or even viruses are reliably filtered out of the breathing air.

With the optrel swiss air fresh air system, you always have enough fresh air available. Thanks to the breath-supporting technology and the ultra-flat and lightweight backpack principle, you will tire less and can therefore also complete demanding work and tasks more easily.



→ all info,
accessories and
spare parts



System	Item no.
 <p>swiss air respiratory protection system complete incl. comfort half-mask, hose system, head and neck strap, blower unit, shoulder support unit, control panel and charger</p>	4700.010
 <p>swiss air respiratory protection system complete incl. comfort half-mask, hose system, head and neck strap, blower unit, shoulder support unit and charger</p>	4700.005

Technical data	
Protection level	TH3 (EN12941)
Flow rates blower unit	level 1: min. 100 l/min level 2: min. 115 l/min level 3: min. 130 l/min All levels with automatic air flow control (levels are set directly on the fan and can be continuously adjusted via the control panel at the front).
Operating time	6 up to 12 hours (Operating time depending on air flow, at room temperature with a new filter.)
Noise	max. 70db (A)
Fan	high quality motor with ball bearings
Fuse	electronical
Dimensions	(L x W x H): 250 x 170 x 50 mm
Weight	Blower unit 550 g / Overall system 1,200 g

X-tend your possibilities.

HIGH-PERFORMANCE PAPR SYSTEM WITH A SAFETY CLASS 3 FILTER

Effective aeration and ventilation is generally necessary for all work areas. Room ventilation solutions are elementary, but not always sufficient. An additional local exhaust vent in the immediate vicinity of a work station is hard to bring about and also risks suctioning off valuable protective gases.

If each worker is to be comprehensively protected from hazardous particles, personal protective breathing equipment is indispensable.

The e3000X PAPR system allows optrel to guarantee

- the highest class of protection (TH3) from respirable particles (smoke, aerosol, and dust). Breathing air becomes cleaner by a factor of up to 500.
- ABE1 filter extension protecting you from organic, anorganic and acidic gases.
- even air distribution in the fresh air helmet without eye irritation.
- automatic air flow control and adjustment.
- additional cooling effect for keeping a cool head about you.



HIGHEST CLASS
PROTECTION LEVEL



AUTOMATIC AIR
FLOW CONTROL



NEW HIGH PERFOR-
MANCE BATTERY



LOW OPERATING COSTS



OPTIONAL A1B1E1
GAS FILTER



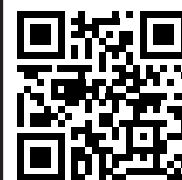
ADJUSTABLE
AIR FLOW



MOUNTAIN-BREEZE
ODOR FILTER



ERGONOMIC
BACKPACK PRINCIPLE



→ all info,
accessories and
spare parts

TH3
certified

ATEX certified



Technical data

Protection level	TH3 (EN 12941)
Type	TH3P R SL filter for TH3P system (EU)
Flow rates	Level 1: min. 170 l/min Level 2: min. 210 l/min Level 3: min. 240 l/min
Einstellung	automatic
Luft	automatic
Fuse	electronic
Noise level	max. 70 dbA
Weight	1,560 g (incl. filter, belt and battery)
Standards	EN 12941:1998 / A1:2003 / A2:2008, AS/NZS 1716:2012, EAC: TP TC 019/2011 ATEX Normen: EN ISO 80079-36; EN 1127-1; EN 60079-0; 60079-15
ATEX	II 3D Ex h III C T100°C Dc II 3G Ex h II B T5 Gc

Filter system

Item no.



e3000X PAPP,
18h battery pack,
parking buddy and bag

4553.000



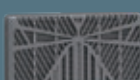
mountain breeze
odor filter

4088.103



A1B1E1 gas filter

4088.700



TH3 particle
master filter

4088.100

SUPPLIED AIR

Best breathing air. Any place.

BREATHING PROTECTION SYSTEM WITH COMPRESSED AIR SUPPLY



ADJUSTABLE FRESH AIR SUPPLY FOR NUMEROUS APPLICATIONS

The optrel suppliedair system forms the interface between the compressed air tank and the fresh air helmet. It ensures a sufficient and regulated supply of fresh air and warns you via an integrated alarm in case of deviations from the target air volume.

- adjustable air flow from 160 to 250 nL/min
- air flow pressure meter for easy visual control
- low pressure warning by acoustic signal
- suitable for all optrel PAPR helmets (non NIOSH)

GREAT CONNECTIVITY

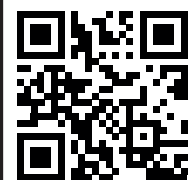
Two different connection nipples are available for connection to all common compressed air systems.

COMFORT BELT

An individually adjustable belt with quick-release fastener ensures a comfortable fit and ideal support of the system on the body.

AIR FILTER

An additional air filter provides the user maximum safety. It prevents the penetration of foreign bodies and impurities into the clean compressed air and thus into the fresh air helmet.



→ all info,
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spare parts



Respiratory protection system

Item no.



suppliedair breathing protection system with compressed air supply and connection compatible with RECTUS 25, 26 and CEJN 320

4090.000



suppliedair breathing protection system with compressed air supply and G1/4" connection

4090.010

Technical data

Air flow	160 to 250 l/ min
Minimum flow rate	160 l/ min
Pressure range	4 – 10 bar
Weight	280 g
Noise level	max. 70 dB(A)
Operating temp.	+10°C to +40°C
Humidity range	20% to 80% RH
Alarm	Audible alarm in case of pressure loss

ACCESSORIES

Art. Nr. 8000.100
Helmet backpack - black/green



Art. Nr. 8000.110
e3000X bag - black/green



Art. Nr. 4551.040
Shoulderharness e3000 Series
(shoulder carrying unit)



Art. Nr. 4551.015.CH,
4551.016.EU, 4551.017.UK,
4551.018.US
Multibay-charger
e3000 Series





WELCOME TO THE WORLD OF OPTREL

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