

e3000

Buckle up & take a deep breath!

optrel®
swiss made 

High-performance
PAPR system with a
Safety Class 3 filter

TH3
certified



Automatically better welding

Reliably protects its wearer from smoke, aerosol particles, and dust. The e3000 PAPR system.

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 e3000 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.
- even air distribution in the fresh air helmet.
- automatic air flow control.
- additional cooling effect for keeping a cool head about you.

Better working conditions for greater efficiency and comfort and better performance.

0.2%
CONTAMINATION



ADJUSTABLE AIR DISTRIBUTION:

A rotary switch can be used to feed 20% of the air cooling the forehead area.



mountain breeze
odor filter

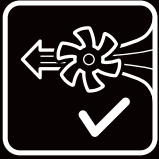
TH3 particle
master filter

pre-filter

spark protection

100%
CONTAMINATION

Air supply system with the highest comfort.



INTEGRATED, AUTOMATIC AIR FLOW CONTROL

Daily monitoring of air flow is prescribed for all respiratory devices available on the market. Conventional devices require manual checks. The optrel e3000's intelligent sensor management allows it to perform an automatic air flow check.



ADJUSTABLE AIR FLOW

The three-level adjustable air flow of 150-250 l/min in combination with the helmet ensures customized, comfortable air distribution. The highest level, 250 l/min, has an additional cooling effect for the user even under the hottest conditions.

This effect can be intensified by means of a rotary switch that diverts 20% of the cooling air to the forehead area. This allows the highest degree of concentration and reduces fatigue symptoms.



HIGH PERFORMANCE BATTERY

The battery management system has a running time of up to 20 hours, enough for uninterrupted work in two-shift operation. This allows the welder to use his work time more effectively.



MOUNTAIN BREEZE ODOR FILTER

Used in combination with the optrel e3000 ventilated breathing system, the mountain breeze filter increases the welder's comfort even more. It protects him from unpleasant odors during welding and grinding of coated material (such as galvanized sheet) and thus from nausea, headaches, and dizziness.



SIMPLE OPERATION FOR LOW OPERATING COSTS

The large pre-filter slows blockage of the TH3 particle master filter. This attribute and the innovative replacement concept for the filter and face seal allow the user to optimize the overall operating costs.

Respiratory protection of the highest safety class.



For rough environmental conditions, a highly efficient welding protection system is indispensable for ensuring that the welder's state of health allows him to continue to work. The optrel e3000 ventilated breathing system with its integrated particle filter of the highest class (TH3) reliably protects the welder's airways from smoke, aerosol, and dust when used in conjunction with an optrel PAPR welder's helmet.

It **filters out 99.8 %** of the respirable particles, such as the following:

- aluminum oxide
- iron oxide
- magnesium oxide
- barium compounds
- lead oxide
- fluorides
- copper oxide
- manganese oxides
- molybdenum oxide
- vanadium pentoxide
- chrome (III) compounds
- chrome (IV) compounds
- zinc oxide
- titanium oxide
- nickel oxide
- cobalt oxide
- cadmium oxide
- beryllium oxide

Main accessories



e3000 bag

Art. Nr.

9410.044.00



optrel rucksack

9410.043.00



Charger e3000
with all primary connectors

4551.010



e3000 multibay charger
for up to 6 e3000 batteries

4551.013

Main accessories



Hose protective sleeve, black

4551.021



optrel parking buddy

5002.900



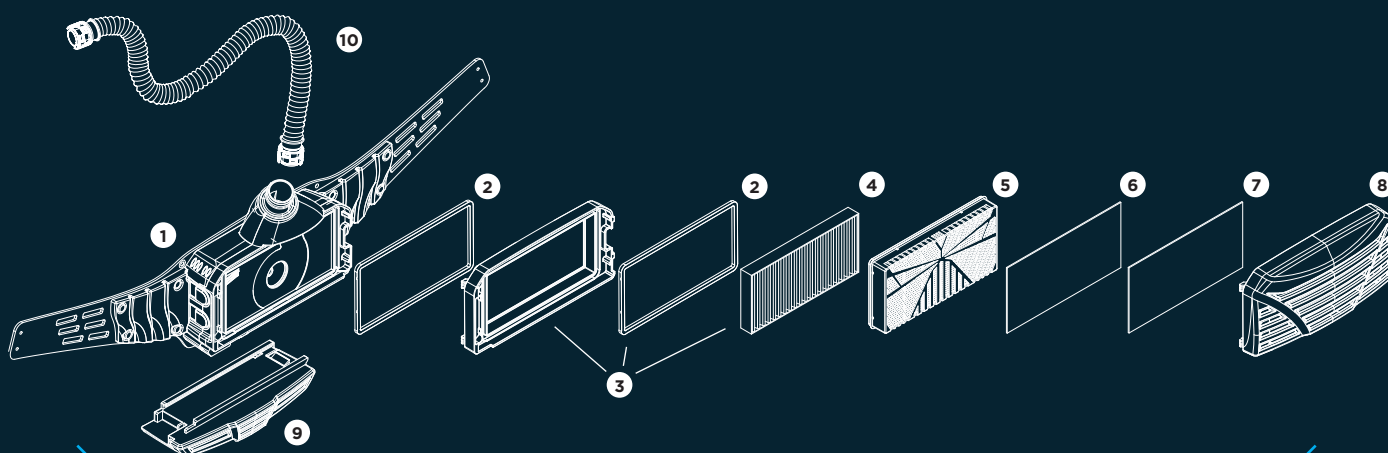
Hose guide

4551.024



Shoulder harness

4551.040



Spare parts and accessories

- 1 e3000 PAPR - blue, 10h Battery
- e3000 PAPR - blue, 20h Power Battery
- e3000 PAPR - green, 10h Battery
- e3000 PAPR - green, 20h Power Battery

- 2 Sealing Kit for e3000

- 3 Starter Kit mountain breeze odor filter

- 4 Replacement Kit mountain breeze odor filter

- 5 TH3 particle master filter

Art. Nr.

4551.000

4551.000-L

4551.000.G

4551.000.G-L

4551.023

4088.103

4088.104

4088.100

Spare parts and accessories

- 6 Pre-filter (50 pcs.)

- 7 Spark protection (2 pcs.)

- 8 e3000 filter cover blue
- e3000 filter cover green

- 9 Battery e3000, 10h Battery

- Battery e3000, 20h Power Battery

- 10 e3000 air hose

Art. Nr.

4088.101

4088.102

4551.031

4551.031.G

4551.011

4551.012

4551.020



TECHNICAL DATA

Description	Powered Air Purifying Respirator with integrated airflow-sensor and three selectable flow rates	Type	TH3P R SL filter for TH3P system (EU)
Protection level	Protection level TH3 (EN 12941)	Hose length	0.7 m (elastic up to 1.3 m)
Flow rates	Level 1: min. 150 l/min Level 2: min. 200 l/min Level 3: min. 250 l/min	Standards	EN 12941:1998/A2:2008, AS/NZS 1716:2012, EAC: TP TC 019/2011
Fuse	Electronic fuse	Notified body / Lic. No.	CE 1024, SAI Global, EAC
Noise	max. 70dbA	Scope of delivery	Blower unit with hose, TH3P R SL filter, battery, fabric belt, charger, user instructions
Dimensions	222 x 213 x 92,6 mm (LxWxH)	Warranty	2 years from date of sales for manufacturing and material defects, 6 months warranty for battery
Weight	1.560 g (incl. filter, belt, and battery) 1.750 g (longlife-model with Power battery)		
Color	green or blue		

The optrel e3000 PAPR system can be used in combination with the following PAPR and grinding helmets:



e684
Réf. 4441.600



vegaview2.5
Réf. 4441.800



liteflip autopilot
Réf. 4441.700



g300
Réf. 4900.000

Newest technology
in respiratory protection.

Your optrel Reseller:



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