

# SWISS AIR

Safety never felt so comfortable



reddot winner 2021



Automatic altitude compensation



Automatic temperature compensation



Breath supporting



No fit test necessary



TH3 certified particle master filter



Steplessly adjustable air flow  
100-130 l/min



14 h power pack

# SWISS AIR

## Perfect breathing air

Breathing means living. The optrel swiss air respiratory protection system brings clean breathing air into your environment and lets you breathe as freely as you can otherwise only enjoy outdoors in nature.

Many workplaces and public spaces produce pollutants such as smoke, soot particles, particulate matter, nitrogen oxides, ozone 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 the optrel swiss air respiratory protection system you enjoy fresh air, completely independent of your activity and your other protective equipment. It makes you independent and free.

WELCOME TO THE SWISS ALPS. WELCOME TO OPTREL SWISS AIR.

**Ventilated half mask** made of flame-retardant material covers mouth and nose area completely. Positive pressure supports breathing and avoids fatigue.

**Infinitely adjustable headband** for all sizes from XS to XL.

**Shoulder harness** for ergonomically perfect weight distribution of the super-light filter system (only 550 g).

**Y-hose with adjustable neck strap and flexible hose elements** guides the air directly into the half mask

The **Control Panel** operates all functions centrally from the front:

- easy indication of filter and battery status
- stepless regulation of the air flow for maximum working comfort
- Automatic altitude and temperature compensation

**Powerful TH3 filter unit** with innovative, ultra-flat design. Lightweight and comfortable to carry, highly efficient in use. **Blower unit** with automatic air flow calibration and 14h high performance battery for an uninterrupted working day.

**TH3**  
certified

99.8%

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



cover



spark protection



pre-filter



TH3 particle master filter

# Flexible use for numerous types of work

The optrel swiss air respiratory protection system is independent of the helmet or other equipment used and is therefore the most versatile optrel respiratory protection system available.



Welding / Plasma cutting



Grinding / metal working / wood working / industrial applications



Medical applications / Health care



Demolition / Construction / Agriculture / Waste disposal / Recycling



Viticulture / Agriculture



Food industry / Laboratory applications / pharmaceutical industry

# Technical data

**Protection class** TH3 (EN12941)

## Blower unit

<b>Air flow</b>	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 adjusted directly on the blower and can be steplessly adjusted via the Control Panel at the front).
<b>Material</b>	PA66 GF30
<b>Fan</b>	high quality motor with ball bearings
<b>Fuse</b>	electronical
<b>Noise</b>	max. 70db (A)
<b>Alarm</b>	Visual (with swiss air control panel) and audible for low / very low battery level, clogged filter, no filter and low air flow. Low battery: alarm frequency 3.0 s (1.5 s on, 1.5 s off) Filter: alarm frequency 0.5 s (0.25 s on, 0.25 s off)
<b>Dimensions</b>	(L x W x H): 250 x 170 x 50 mm
<b>Weight</b>	Blower unit 550 g / Overall system 1,200 g

## Control Panel

<b>Indication and adjustment options</b>	- Overview of filter contamination and battery charge status - stepless air flow control and on/off switch - altitude and temperature compensation
<b>Connection</b>	Operating cable with jack plug and cable protection

## Half-mask

<b>Material</b>	POM, ripstop textile (98% polyester and 2% polyurethanes), flame-retardant Polyurethane foam
<b>Valve</b>	Exhalation valve with silicone membrane

## Certificates

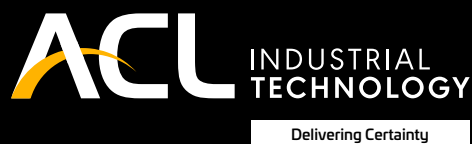
<b>Standards</b>	EN 12941 Europe: TH3; Australia: P3; AS/NZS 1716; EAC TP TC 019/2011
<b>Notified body</b>	CE 1024



**carbon  
neutral  
product**

With any purchase of this product optrel plants a tree and neutralizes the product's carbon footprint.

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