

► T-Air

Powered air purifying respirator (PAPR)



Technical specifications

Certifications: EN12941 & EN12942

Air flow rate: Min. 160 l/min - Max.220 l/min (automatic adjustment)

Battery:

- Rechargeable Li-ion 14.8 V / 7.8 Ah
- Charging time: < 3 hours
- Autonomy : > 10 hours
- Weight: 800 grams

Unit display: Color LED display with flow rate, battery status, and filter type indicator in several languages

Alarms: Flow and low battery with triple warning device (acoustic, visual & vibratory)

Ingress Protection: IP65

Unit weight: 700g without filter and battery

Sound volume: 70 dB(A)

Operating conditions:

- Operating / storage temperature: -10 °C to +50 °C
- Loading temperature: 0 °C to 50 °C
- Relative humidity: < 95% (non-condensing)

T-Air respirator filters

The RSG RD DIN40 (EN148-1) filter range with a dedicated release pin offers different filter types for all current applications. It protects against many toxic substances, from organic vapours to mercury vapours.

Filter type	Duration	Protection
P3	> 15 hours	Fine solid particles and aerosols, bacteria and viruses
A2-P3	8 hours minimum	Organic gases and vapours, solvents and solid or liquid particles
A2B2-P3	8 hours minimum	Organic and inorganic gases and vapours and solid or liquid particles
ABE2-P3	8 hours minimum	Organic and inorganic gases and vapours, sulfur dioxide, solid and liquid particles
ABEK2-P3	8 hours minimum	Organic and inorganic gases and vapours, sulfur dioxide, hydrogen chloride, ammonia and derivatives, and particles
ABEK2Hg-P3	8 hours minimum	Organic and inorganic gases and vapours, acid gases, ammonia, mercury vapour, and particles

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Product description

The **T-Air** is an economical, sleek, and modern powered air purifying respirator. It is equipped with a battery-powered motor that can be used with a large selection of filters and facepieces. It is designed for the widest possible applications where a high level of protection and comfort is required.

The central unit controls the operating parameters in real-time to ensure optimum airflow to the user, even if the filters become clogged. A triple warning system ensures total safety during operation: airflow, clogging, and low battery alarm.

The **T-Air** can be combined with a full face mask, face shield, hood, helmet set or welding hood. TH1, TH2, or TH3 type, following the protection factor, facepieces can also be fitted to an air supply system device. The central unit is equipped with 2 or 3 class 2 filters depending on the filtration category: 2 particle filters (P3) or 3 combined filters. For ease of use, the unit has a colour LED control panel with multi-language symbols.

► T-Air key strengths

- Made of chemical and impact-resistant ABS.
- Fully electronically controlled airflow.
- Triple warning device: air flow, clogging, and low battery.
- Removable lithium-ion battery (7.8 Ah) for at least 8 hours of use in any filter combination (up to 10 hours for a P3 filter).
- Automatic closing of filter inlets.
- High IP65 protection rating.
- Filter timer for filter replacement.
- Impossible to switch off the device inadvertently.
- Complete delivery with a comfort belt, battery, filter plug, charger, airflow indicator & instructions.
- Non-ATEX standard version with comfort belt, asbestos version with decontaminable belt and straps.

1000 M - Lightweight and comfortable full-face bonnet with integrated eye protection and long cape for light applications



- TH3 disposable hood made of microporous polyethylene (PE)
- Soft cap easy to put on and take off for intuitive and direct fit
- Ultra-transparent PETG visor offering a wide field of vision
- Equipped with an exhalation valve, an adjustable headband and a neck seal
- Applications: paint spraying, pharmaceutical or light medical environment
- 22 mm breathing tube with bayonet connector, sturdy and flexible, for hood or visor

CHEM 1 - Chemical hood (class 4A), with integrated eye protection and cape for high risk industrial applications



- TH3 hood with HDPE film laminated to a polyethylene (PE) substrate
- Flexible headgear easy to maintain, put on and take off for intuitive and direct wearing
- Ultra-transparent PETG visor offering a wide field of vision
- Replaceable hood, adjustable headband and neck seal
- Applications: chemical applications, disposal of industrial waste, petrochemicals
- 22 mm breathing tube with bayonet connector, sturdy and flexible, for hood or visor

CHEM 3 - Hood (class 3B/4A), with integrated eye protection and cape for very high risk chemical applications



- Multi-layer composite technology comprising EVOH barrier film and LDPE 150 g/m² bonding layers
- Ultra-transparent PETG visor offering a wide field of vision
- Equipped with an exhalation valve
- One size, weight approx. 640 grams
- Applications : high risk chemical applications, chemical warfare agents, nuclear industry
- 22 mm breathing tube with bayonet connector, sturdy and flexible, for hood or visor

500 series - Full face mask for respiratory protection



- Black rubber mask
- Silicone gasket offering comfort and stability with a soft yet firm seal
- Universal size, compliant with EN 136: 1998 / EN 12942 standards
- Works with P3 filters and handsets
- Applications: long-duration work requiring a high level of protection and comfort
- 22 mm breathing tube with bayonet/threaded connection for full-face mask

700 series - Full face mask with a large field of vision



- Anti-scratch, anti-fog polycarbonate visor with 180°C horizontal and vertical field of vision
- Flexible, hermetic silicone gasket for all face shapes
- Hypoallergenic silicone inner mask
- 5-point EPDM rubber head harness
- Applications: long-duration work requiring a high level of protection and comfort
- 22 mm breathing tube with bayonet/threaded connection for full-face mask

WELD 820 - Hood (class 3B/4A), with integrated eye protection and cape for very high risk chemical applications



- Multi-layer composite technology comprising EVOH barrier film and LDPE 150 g/m² bonding layers
- Ultra-transparent PETG visor offering a wide field of vision
- Equipped with an exhalation valve
- One size, weight approx. 640 grams
- Applications : high risk chemical applications, chemical warfare agents, nuclear industry