

# Technical datasheet

|                                  |                  |                 |
|----------------------------------|------------------|-----------------|
| <b>Product</b>                   | <b>Model No.</b> | <b>Part nr.</b> |
| Powered Air Purifying Respirator | T-Air®           | 65 01 02        |

## Product Description

The T-Air is a unique battery-powered motor unit that can be used with a wide choice of approved qfilters and head tops. The T-Air is designed for the widest possible application in which a high(er) protection level and comfort is required. This applies particularly to work that is hard, warm, of long duration and requires a high protection and comfort level. The T-Air can be incorporated with a visor, hood, helmet combination or full face mask. The unit is equipped with class 2 filters, and the filtered air is fed through a strong flexible hose to the headpiece. The over pressure generated prevents surrounding pollutants from penetrating into the headpiece. A triple warning device assures the user of a safe

### T-Air characteristics:

- Made of chemical resistant and impact proof ABS plastic
- Removable Lithium-Ion Battery (Heavy Duty 7.8 Ah) for use of at least 8 hours in any combination
- Charging time battery is < 3 hours
- Triple warning device: acoustic, visual, vibration
- Equipped with 3 filter ports for 6 filter types (P3, A2P3, A2B2P3, A2B2E2P3, A2B2E2K2P3 and A2BE2K2HgP3)
- High capacity filters (class 2) for high concentrations of contaminants (5.000 ppm)
- Option to close of one filter port in case of 2 x P3 Filter
- Operating time of more than 10 hours
- Two control buttons for start/stop- optionally adjustable flow in 4 steps 160 -220 l/min
- Full colour LED Display with flow, battery and filter indicator in multiple languages
- Full electronically controlled air flow – automatic daily calibration
- To be combined with T-AirVisor, T-AirHoods 100 M, CHEM1 and CHEM3, T-Air Visor Combi and the RSG 400 Series full face masks
- Automatic closure of filter inlet ports
- Ingress protection in IP class IP65
- Service timer for maintenance
- Filter timer for filter exchange
- Ease of use – not possible to unintentionally switch off the unit
- Supplied complete with comfort belt, battery, charger, airflow indicator, instructions



## Technical specification

|  | EN12941  | EN12942   |
|--|--|---|
| Air flow, min/max  | 160 – 220 l/min  | 160 l/min   |
| Long life Li-Ion battery   | 14.8V, 7.8 Ah  | 14.8V, 7.8 Ah   |
| Operating times  |  |   |
| <ul style="list-style-type: none"> <li>• P3</li> <li>• A2P3</li> <li>• A2B2P3</li> <li>• A2B2E2K2HgP3</li> </ul> | <ul style="list-style-type: none"> <li>• &gt; 15 hr</li> <li>• Min 8 hr</li> <li>• Min 8 hr</li> <li>• Min 8 hr</li> </ul> | <ul style="list-style-type: none"> <li>• &gt;15 hr</li> <li>• Min 8 hr</li> <li>• Min 8 hr</li> <li>• Min 8 hr</li> </ul> |
| Filters  |  |   |
| <ul style="list-style-type: none"> <li>• P3</li> <li>• A2P3</li> <li>• A2B2P3</li> <li>• A2B2E2K2HgP3</li> </ul> | EN148-1 with dedicated unlocking pin   | EN148-1 with dedicated unlocking pin  |
| Weight unit  | 800 gr   | 800 gr  |
| Weight battery   | 700 gr   | 700 gr  |
| Operating/Storage conditions   | -10 °C to +50 °C   | -10 °C to +50 °C  |
| International Protection Code  | IP 65  | IP 65   |
| Charging temperature   | 0 °C to +50 °C   | 0 °C to +50 °C  |
| Charging time  | 3 hours  | 3 hours   |
| Operating/storage area humidity  | ≤95 % relative humidity  | ≤95 % relative humidity   |
| Noise level (dB)   | approx. 70 dB(A)   | approx. 70 dB(A)  |
| Low flow warning level (MMDF)  | < 160 l/min  | < 160 l/min   |
| Nominal Protection Factor:   |  | 2000 (TM3P)   |
| T-AirVisor   | 614150   | 50 (TH2P)   |
| T-AirHood 1000M  | 614060   | 500 (TH3P)  |
| T-AirHood CHEM1  | 614061   | 500 (TH3P)  |
| T-AirHood CHEM3  | 614062   | 500 (TH3P)  |
| T-AirWeld 820  | 614260   | 50 (TH2P)   |
| T-AirVisor Combi   | 615150   | 50 (TH2P)   |
| Approvals  | EN 12941:2009  | EN12942:2009  |
| Notified Body  | CE0158   | CE0158  |

