

## CleanAIR® Chemical 2F Tactical

Powered air purifying respirator



### Description

The battery-powered air purifying respirator (PAPR), the breathing protective device for increasing comfort and safety when combined with approved headtops.

### Application

In default Chemical 2F Tactical provides protection against particulates, but is also capable to provide protection against wide range of contaminants when used with combined filters.

DA-076\_-\_5TT000FC\_-\_Chemical\_2F\_Tactical\_-\_EN

# TECHNICAL DATASHEET

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### *Technical specification*

|                          |                                                                                                                                                |                                                                             |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Product code*            | 51T000FC.1                                                                                                                                     |                                                                             |
| Flow rate                | 80 / 120 / 160 lpm                                                                                                                             |                                                                             |
| Battery                  | Standard battery                                                                                                                               | Heavy duty battery                                                          |
| Voltage                  | 14,4 V                                                                                                                                         | 14,4 V                                                                      |
| Capacity                 | 3,2 Ah                                                                                                                                         | 4,9 Ah                                                                      |
| Charging time            | < 3 hours                                                                                                                                      | < 6 hours                                                                   |
| Operation time*          | < 4:20 at 120 lpm                                                                                                                              | < 9:00 at 120 lpm                                                           |
| Battery lifespan         | up to 500 charging cycles                                                                                                                      | up to 500 charging cycles                                                   |
| Battery charger          | Microprocessor controlled, fully automatic<br>Input: 100 - 240 V [50/60 Hz]<br>Output: 18 V [max. 1 500 mA]<br>Multi plug: EUR, UK, US and AUS |                                                                             |
| Weight                   | 980 g (including standard battery)                                                                                                             |                                                                             |
| Dimensions               | 235 mm / 126 mm / 65 mm (with standard battery)                                                                                                |                                                                             |
| Noisiness                | < 65 dB                                                                                                                                        |                                                                             |
| Materials                | Unit: polyamide Zytel ST801<br>Belt: textile part - polyester/nylon/rubber foam<br>plastic part - polyamide                                    |                                                                             |
| Motor                    | Ball-bearing brushless motor                                                                                                                   |                                                                             |
| Input / Output (threads) | Filter thread - RD40x1/7" - 2x<br>Airflow output thread - CA40x1/7" - 1x                                                                       |                                                                             |
| Belt                     | Comfort padded belt                                                                                                                            |                                                                             |
| Waist size:              | up to 1 500 mm                                                                                                                                 |                                                                             |
| Standard                 | EN 12942                                                                                                                                       |                                                                             |
| Protection class / NPF** | TM3 / 2000                                                                                                                                     |                                                                             |
| Ingress protection       | IP64:                                                                                                                                          | When switched ON (without any further requirements)                         |
|                          | IP65:                                                                                                                                          | When switched ON (set of spark arresters and pre-filter holders - 50 01 12) |
|                          | IP68:                                                                                                                                          | When switched OFF (with plugged inputs and output - 51 00 46)               |
| Display                  | TFT display (262k colours, 160x160 px)<br>(showing actual working mode, airflow, filter condition and battery status)                          |                                                                             |
| Storage conditions       | - 10°C to + 55°C, humidity 20 - 95 % Rh                                                                                                        |                                                                             |
| Operating conditions     | + 0°C to + 60°C, humidity 20 - 95 % Rh                                                                                                         |                                                                             |

\*includes a comfortable belt, RD-40 hose, charger, 2x NBC filters, all packed in a practical transport bag

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### *Product sets / variations*

51 TO 00FC Powered air purifying respirator CA Chemical 2F Tactical - incl. hose CA40x1/7", battery Li-Ion 14,4V/2,6Ah, battery charger - Euro plug, comfort padded belt, flow indicator

\* for ordering variation with UK plug please add „U" at the end of the product code; for AUS plug please add „-AUS" at the end of the product code

### *Spare parts and accessories*

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| 51 00 10    | Battery CA Chemical 2F, Li-Ion (14,4V / 3,2Ah)                                       |
| 51 00 20    | Battery CA Chemical 2F Heavy Duty, Li-Ion (14,4V / 4,9Ah)                            |
| 71 00 92    | Comfort padded belt                                                                  |
| 52 00 44.1  | Comfort padded harness                                                               |
| 51 00 51    | Decontaminable belt PVC                                                              |
| 51 00 52    | Decontaminable harness PVC                                                           |
| 51 00 30EUR | Charger for CleanAIR® Chemical 2F (EURO - plug)                                      |
| 707051      | Multicharger 2F - 5 slots, without power supply                                      |
| 707051P     | Multicharger 2F -5 slots, incl. power supply and AC cords                            |
| 51 00 46    | Set of plugs (2x external thread, 1x internal thread) for decontamination of unit 2F |
| 52 01 01    | TFT display protective foil                                                          |
| 50 00 48/6  | Particle filter P3, thread RD40x1/7", pack of 6                                      |
| 50 01 65X/3 | Filter NBC - A2B2E2K2P3, thread RD40x1/7", pack of 3                                 |

### *Compatible headtops*

|            |                                                                                |     |
|------------|--------------------------------------------------------------------------------|-----|
| 704441 600 | Welding helmet AerTEC™ OptoMAX Air incl. ADF with air distribution, silver     | TH3 |
| 704441 601 | Welding helmet AerTEC™ OptoMAX Air incl. ADF with air distribution, black      | TH3 |
| 720101     | Short hood CA-1 Lite                                                           | TH3 |
| 720201     | Long hood CA-1 Lite                                                            | TH3 |
| 720102B    | Short protective hood CA-1, blue                                               | TH3 |
| 720102     | Short protective hood CA-1, orange                                             | TH3 |
| 720112     | Short protective hood CA-1+, orange                                            | TH3 |
| 720112B    | Short protective hood CA-1+, blue                                              | TH3 |
| 720202B    | Long protective hood CA-2, blue                                                | TH3 |
| 720202     | Long protective hood CA-2, orange                                              | TH3 |
| 721002     | Chem-proof protective hood CA-10                                               | TH3 |
| 721002G    | Chem-proof protective hood CA-10, grey                                         | TH3 |
| 721202     | Protective hood CA-12 with garment interface, chemically resistant, yellow     | TH3 |
| 721203     | Protective hood CA-12 with garment interface, chemically resistant, grey       | TH3 |
| 721204     | Protective hood CA-12 with garment interface, chemically resistant, white      | TH3 |
| 721205     | Protective hood CA-12 with garment interface, chemically resistant, CLF, olive | TH3 |
| 720300.01  | Protective face shield UniMask, grey                                           | TH3 |
| 720300.02  | Protective face shield UniMask, blue                                           | TH3 |
| 720300.03  | Protective face shield UniMask, orange                                         | TH3 |

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|           |                                                                        |     |
|-----------|------------------------------------------------------------------------|-----|
| 720300.04 | Protective face shield UniMask, red                                    | TH3 |
| 720300.08 | Protective face shield UniMask, neoprene                               | TH3 |
| 703100    | Protective faceshield Omnira air                                       | TH3 |
| 710401Y   | Safety helmet CA-4 yellow face seal                                    | TH2 |
| 710403B   | Safety helmet CA-4 additonal flip-up visor, earmuffs                   | TH2 |
| 704000    | Helmet CA - 40 with welding visor                                      | TH3 |
| 704100    | Safety helmet CA-40G grinding shield                                   | TH3 |
| 704203    | Safety helmet CA-40GW grinding + welding shield, V5-8/9-13 AerTEC X110 | TH3 |
| 703001    | Welding helmet CleanAIR® Verus air, incl. ADF S60+                     | TH3 |
| 703201    | Welding helmet CleanAIR Omnira COMBI air, incl. ADF S60F               | TH3 |
| 700500    | Half mask CA-5 Eurmask DIN                                             | TM2 |
| 710600    | Full face mask GX02, size [S, M, L]                                    | TM3 |
| 720600    | Full face mask CF02, size [M, L]                                       | TM3 |
| 740600.05 | Full face mask CM-6, 6-point                                           | TM3 |
| 740600.15 | Full face mask CM-6M, 6-point, fluid intake                            | TM3 |

### **Features**

**Warning system** - visual and audible warning for low airflow and low battery charge.

**Flow control system** - maintains level of airflow constant regardless filter clogging or battery charge.

**Automatic closing system** - reduces the risk of unwanted contamination of the unit while the filters are being changed

**Allows immersion disinfection** - with input and output threads plugs on (Sodium hypochloride or Persteril).

**Built-in barometric sensor** - automatic airflow compensation depending on altitude. Works from -500m up to 4500m.

**LED display** - LED display visualises airflow, filter clogging and battery charge.