| | |
|---|---|
| **Product code** | 51 00 00FCA<br>(including comfort belt, charger,<br>battery, flow indicator) |
| **Product description** | Powered air purifying respirator<br>(PAPR), battery powered |
| **Standards** | EN 12941 protection class TH3; NPF = 500*<br>EN 12942 protection class TM3; NPF = 2000*<br><br>IP65 - Ingress Protection against liquids and solid particles<br>  (6) - Totally protected against dust ingress.<br>  (5) - Protected against low pressure water jets from any direction. |
| **Operation time** | up to 10 hours<br>(with clean particle filters, fully-charged battery and the bottom level of air flow) |

**Flow rate**

| Airflow [lpm] | Mode | Filter category |
|---|---|---|
| 120 / 140 / 160 | Mask<br>EN 12942 | Particle |
| 120 / 140 / 160 | | Light combined (class 1) |
| 120 / 140 | | Heavy combined (class 2) |
| 160 / 185 / 210 / 235 | Hood<br>EN 12941 | Particle |
| 160 / 185 / 210 | | Light combined (class 1) |

| | |
|---|---|
| **Warning system (alarm)** | Visual and audible warning for low airflow and low battery charge |
| **Display** | TFT display (262k colours, 160x160 px)<br>(showing actual working mode, airflow, filter condition and battery status) |
| **Flow control system** | Maintains level of airflow constant regardless filter clogging or battery charge |
| **Motor** | High quality ball-beared brushless motor |
| **Battery** | Exchangeable Li-Ion 14,4 V / 2,6 Ah<br>Battery lifespan: up to 500 charging cycles<br>Charging time: < 3 hours |
| **Battery charger** | Microprocessor controlled, fully automatic<br>Input: 100 - 240 V (50/60 Hz)<br>Output: 18 V (max. 1 500 mA)<br>Plug: Euro |
| **Belt** | Comfort padded belt<br>Waist size: up to 1 500 mm |
| **Weight** | 960 g (including battery) |
| **Dimensions** | 240 mm / 110 mm / 120 mm |
| **Materials** | Unit: high performance polyamide Zytel ST801<br>Belt: textile part - polyester/nylon/rubber foam |
| **Noisiness** | < 62 dB<br>* nominal protection factor depends on used headtop |

## Product sets / variations

| product code | product description |
|---|---|
| 51 00 00FCA* | Powered air purifying respirator CA Chemical 2F, exchangeable battery, charger (EURO - plug), comfort padded belt, flow indicator |
| 51 00 00FDA* | Powered air purifying respirator CA Chemical 2F, exchangeable battery, charger (EURO - plug), **decontaminable belt,** flow indicator |
| 51 00 00LA* | Powered air purifying respirator CA Chemical 2F, exchangeable battery, charger (EURO - plug), **comfort leather 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

## Recommended hose type

70 00 60 - light flexi hose
(internal thread CA40x1/7" - external thread CA40x1/7")
Adjustable lenght: 600 mm - 1 100 mm / Weight: 150 g

## Spare parts and accessories

| product code | product description |
|---|---|
| 51 00 10 | Battery Li-Ion 14,4 V / 2,6 Ah |
| 71 00 92 | Comfort padded belt |
| 72 00 92 | Comfort leather belt |
| 51 00 41 | Decontaminable belt |
| 51 00 42 | Decontaminable harness |
| 52 00 44.1 | Comfort padded harness |
| 70 00 60 | Light flexi hose CA40x1/7"- CA40x1/7" - straight conn. |
| 70 00 60Q | Light flexi hose CA40x1/7"- CA40x1/7" - 25° conn. |
| 70 00 86CA | Rubber hose CA40x1/7"- CA40x1/7" - straight conn. |
| 71 00 62F | Hose cover flameproof |
| 70 00 62C | Hose cover chemical resistant |
| 51 00 30EUR | Charger for CleanAIR® Chemical 2F (EURO - plug) |
| 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 | Particle filter P3* |
| 50 01 57 | Combined filter A2P3* |
| 50 01 67 | Combined filter A2B2P3* |
| 50 01 68 | Combined filter A2B2E2K2P3* |
| 50 01 66 | Combined filter A2B2E2K2HgP3* |

\* The table is not containing entire list of compatible filters. For complete list of filters, please contact your supplier for more information.

# PRODUCT DATA SHEET

# CleanAIR® Chemical 2F plus

## Compatible headtops
(According to EN 12941)

| product code | product description | level of protection |
|---|---|---|
| 71 01 00* | Short hood CA-1 orange | TH2 |
| 71 02 00* | Long hood CA-2 orange | TH2 |
| 71 02 00G | Long hood CA-2 chem. resistant grey | TH2 |
| 71 10 00* | Universal hood CA-10 orange | TH3 |
| 71 10 00G | Universal hood CA-10 chem. resistant grey | TH3 |
| 71 03 00 | Grinding shield CA-3 (polycarbonate visor) | TH2 |
| 71 03 01 | Grinding shield CA-3 (acetate visor) | TH2 |
| 71 04 01* | Safety helmet CA-4 orange face seal | TH2 |
| 71 04 03* | Safety helmet CA-4 additonal flip-up visor, earmuffs, orange face seal | TH2 |
| 70 40 01 | Safety helmet CA-40 weld. shield, ADF V9-13 DS | TH2 |
| 70 41 00 | Safety helmet CA-40G grinding shield | TH2 |
| 70 42 01 | Safety helmet CA-40GW grinding + welding shield, ADF V9-13 DS | TH2 |
| 70 20 70 | Welding hood CA-20 ADF V9-13 DS | TH3 |
| 70 20 81 | Welding hood CA-20 ADF V6-8/9-13 GDS | TH3 |
| 70 29 01 | Welding hood CA-29 Evolve ADF V9-13 DS | TH2 |
| 70 05 00 | Half mask CA-5 Eurmask DIN | TM2 |
| 71 06 00** | Full face mask GX02, size (S, M, L) | TM3 |
| 72 06 00** | Full face mask CF02, size (M, L) | TM3 |

(According to EN 12942) — Half mask CA-5 Eurmask DIN onwards

* for ordering blue face seal please add „B" at the end of the product code
**  add S, M, or L and choose the size of the mask

## Areas of application

CleanAIR® Chemical 2F when is used as an approved system with P R SL filter provides protection against particles in the form of liquid and solid aerosols e.g. dust, smoke, metal fumes, mists and fibers. Gas filters provides protection againts contaminants in form of gasses and vapours.

Combined filters provides protection against combination of contaminants in the form of gases, vapours and particulates.

CleanAIR® Chemical 2F in combination with an appropriate headtop and filters can be used in various application including: dusty industrial environments, automotive industry, shipbuilding industry, welding, grinding, surface finishing operations, building industry, agriculture. List of compatible headtops and level of protection provided by selected combination with CleanAIR® Chemical 2F you can find above (see table „Compatible headtops").

## Limitations

⚠

## Storage conditions
## Operating conditions

- 10°C to + 55°C, humidity 20 - 80 % RH
+10°C to + 40°C, humidity 20 - 80 % RH

• Please, read carefully relevant instruction for use and follow your national safety regulations for PPE.