

## Product code

MIC51 00 00FC  
(including comfort belt, charger, battery,  
flow indicator and locking nut)

## Product description

Powered air purifying respirator  
(PAPR), battery powered

## Standards

EN 12941 protection class TH3; NPF = 500\*

IP65 - Ingress Protection against liquids and solid particles  
[6] - Totally protected against dust ingress.  
[5] - Protected against low pressure water jets from any direction.

## Operation time

up to 10 hours  
(with clean particle filters, fully-charged battery and the bottom level of air flow)

## Flow rate

Airflow [lpm]	Mode	Filter category
120 / 140 / 160 / 185 / 210 / 235	Hood EN 12941	Particle
120 / 140 / 160 / 185 / 210		Light combined [class 1]
120 / 140		Heavy combined [class 2]

## Warning system (alarm)

Visual and audible warning for low airflow and low battery charge

## Display

TFT display [262k colours, 160x160 px]  
(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-bearing brushless motor

## Battery

Exchangeable Li-Ion 14,4 V / 2,6 Ah  
Battery lifespan: up to 500 charging cycles  
Charging time: < 3 hours

## Battery charger

Microprocessor controlled, fully automatic  
Input: 100 - 240 V (50/60 Hz)  
Output: 18 V (max. 1 500 mA)  
Plug: Euro

## Belt

Comfort padded belt  
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  
Belt: textile part - polyester/nylon/rubber foam

## Noisiness

< 62 dB



## Product sets / variations

product code	product description
MIC51 00 00FC*	Powered air purifying respirator CA Chemical 2F with activated „Garment“ profile, exchangeable battery, charger (EURO - plug), air hose, comfort padded belt, flow indicator and locking nut
MIC51 00 00FCH*	Powered air purifying respirator CA Chemical 2F with activated „Garment“ profile, exchangeable battery, charger (EURO - plug), air hose, comfort harness, flow indicator and locking nut
MIC51 00 00FD*	Powered air purifying respirator CA Chemical 2F with activated „Garment“ profile, exchangeable battery, charger (EURO - plug), air hose, decontaminable belt, flow indicator and locking nut
MIC51 00 00FDH*	Powered air purifying respirator CA Chemical 2F with activated „Garment“ profile, exchangeable battery, charger (EURO - plug), air hose, decontaminable harness, flow indicator and locking nut

\* 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
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 71	Locking nut CA40x1/7"
51 00 30EUR	Charger for CleanAIR® Chemical 2F (EURO - plug)
51 00 30UK	Charger for CleanAIR® Chemical 2F (UK - plug)
51 00 30AUS	Charger for CleanAIR® Chemical 2F (AUS - 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.

## Compatible headtops (According to EN 12941)

product description	level of protection
Microgard® 2500 Plus PAPR (model 704 and 705)	TH3
Microchem® 3000 PAPR (model 704 and 705)	TH3
Microchem® 4000 PAPR (model 704 and 705)	TH3

\* 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 with activated „Garment" profile, when is used as an approved system with the proper combined filters, provides protection against contaminants in form of gasses and vapours and also particles in the form of liquid and solid aerosols e.g. dust, smoke, metal fumes, mists and fibers.

CleanAIR® Chemical 2F with activated „Garment" profile in combination with an appropriate ventilated protective clothing and combined filters can be used in various application including: viral contaminated areas, biological protection, emergency medical response, medical research, chemical and pharmaceutical industries, low pressure industrial cleaning, industrial paint spraying and nuclear industry.

List of compatible headtops and level of protection provided by selected combination 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.