TECHNICAL DATASHEET

CleanAIR®

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Standard and Heavy Duty Li-Ion battery for PAPR Chemical 2F

Rechargeable battery



Standard Li-Ion battery
for Chemical 2F



Heavy Duty Li-Ion battery
for Chemical 2F

* the picture is illustrational only and may vary depending on additional equipment

Description

Rechargeable Li-Ion battery.

Application

To be used exclusively with CleanAIR® Chemical 2F and Chemical 2F Ex.

DA-118_-_510010+510020_-_2F_STAN+HD_battery_new_EN

Malina Safety®

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Standard and Heavy Duty Li-Ion battery for PAPR Chemical 2F

Rechargeable battery



Technical specification	*Standard battery*	*Heavy Duty battery*
Product code	**510010**	**510020**
Weight	360 g	420 g
Voltage / capacity	14,4 V / 3,2Ah	14,4 V / 4,9 Ah
Charging time	approx. 3 hours	approx. 5 hours
Battery lifespan	up to 500 charging cycles	up to 500 charging cycles
Dimensions	112 mm × 50 mm × 85 mm	134 mm × 51 mm × 101 mm
Materials	Battery case: Polyamide (PA) Cells: Lithium-ion	Battery case: Polyamide (PA) Cells: Lithium-ion
Cells	4 × INR18650MH1	4 × INR21700-50E
Storage time	5 years**	5 years**
Storage conditions Operating conditions	– 10°C to + 55°C, humidity 20 – 95% Rh 0°C to + 40°C, humidity 20 – 95% Rh	– 10°C to + 55°C, humidity 20 – 95% Rh 0°C to + 40°C, humidity 20 – 95% Rh

Product combination / settings					*Operation time**
PAPR	**Battery**	**Filter type**	**Mask type**	**Air flow**	
Chemical 2F	Standard 14,4V / 3,2 Ah	P	Light hood CA-10	160 lpm	9 h 30 min
Chemical 2F	Heavy Duty 14,4V / 4,9 Ah	P	Light hood CA-10	160 lpm	14 h
Chemical 2F	Standard 14,4V / 3,2 Ah	A2B2E2K2P	Light hood CA-10	160 lpm	6 h
Chemical 2F	Heavy Duty 14,4V / 4,9 Ah	A2B2E2K2P	Light hood CA-10	160 lpm	8 h
Chemical 2F	Standard 14,4V / 3,2 Ah	A2B2E2K2P	GX-02 Shigematsu	120 lpm	5 h 30 min
Chemical 2F	Heavy Duty 14,4V / 4,9 Ah	A2B2E2K2P	GX-02 Shigematsu	120 lpm	10 h

* *with new filters and fully charged battery*

** *All components of the CleanAIR® system must be stored at temperatures between -10 °C and +55 °C, with relative humidity between 20 % and 95 % RH.*
Batteries may self-discharge during storage. To maintain battery condition, it is recommended to charge the battery for at least 1 hour every 3 months. For long-term storage, the optimal battery charge level is between 50 % and 70 % of its full capacity. After extended storage, perform three full charging cycles to restore the battery to its maximum capacity.

Compatible powered air purifying respirators
CleanAIR® Chemical 2F Plus
CleanAIR® Chemical 2F Ex

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All the information contained herein is believed to be accurate and is subject to change without notice. Users should independently evaluate the suitability of each product for their own applications. CleanAIR® products are not designed for, and may not be used in, all applications.