

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

Description

Rechargeable battery for CleanAIR®
Chemical 2F with 10 years storage time.

Application

Useable only with PAPR CleanAIR® Chemical 2F.

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

TECHNICAL DATASHEET

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	340 g	640 g
Voltage / capacity	14,4 V / 2,6 Ah	14,4 V / 5,2 Ah
Charging time	< 3 hours	< 6 hours
Battery lifespan	up to 500 charging cycles	up to 500 charging cycles
Dimensions	112 mm × 50 mm × 85 mm	112 mm × 50 mm × 145 mm
Materials	Battery case: Polyamide (PA) Cells: Lithium-ion	Battery case: Polyamide (PA) Cells: Lithium-ion
Cells	4 × ICR18650-26J	8 × ICR18650-26J
Storage time	5 years**	5 years**
Storage conditions	– 10°C to + 45°C, humidity 20 – 95% Rh	– 10°C to + 45°C, humidity 20 – 95% Rh
Operating conditions	0°C to + 40°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 / 2,6Ah	A1B1E1P3	GX-02 Shigematsu	120 lpm	6 h 40 min
Chemical 2F	Heavy Duty 14,4V / 5,2 Ah	A1B1E1P3	GX-02 Shigematsu	120 lpm	13 h 05 min
Chemical 2F	Standard 14,4V / 2,6Ah	A2B2E2K2P3	GX-02 Shigematsu	160 lpm	4 h 57 min
Chemical 2F	Heavy Duty 14,4V / 5,2 Ah	A2B2E2K2P3	GX-02 Shigematsu	160 lpm	11 h 26 min
Chemical 2F	Standard 14,4V / 2,6Ah	A2B2E2K2P3 NBC	CM-6 GuZu	120 lpm	4 h 30 min
Chemical 2F	Heavy Duty 14,4V / 5,2 Ah	A2B2E2K2P3 NBC	CM-6 GuZu	120 lpm	9 h 00 min

* with new filters and fully charged battery

** All parts of the CleanAIR® system must be stored at temperatures between -10 °C and 55 °C, with relative air humidity between 20 and 95 % Rh.
Batteries will self-discharge during storage. Therefore, it is recommended to charge the battery for 1 hour at least every 3 months. The optimal battery charge level for longer storage is between 50 – 70% of capacity. After longer storage time it is necessary to repeat 3 charging cycles to reach battery's full capacity.

Compatible powered air purifying respirators / airline systems

CleanAIR® Chemical 2F Plus

CleanAIR® MedicAER

Disclaimer Notice

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.