

KASCO



LIGHTWEIGHT, RELIABLE AND SAFE

KAIOS e-T5 ZP3 POWERED RESPIRATOR

CONSTRUCTION-SANDBLASTING-METALWORKING-FOUNDRY



KASCO SRL

Via Romania 12, 42124 – Reggio Emilia

www.kasco.eu +39 0522 308232

CE

KAIOS e-T5

PAPR with helmet
PPE Category III

- EN 12941:2009 TH3 P R SL
- EN 166 CL.2
- EN 397
- Regulation (EU) 2016/425

The **KAIOS e-T5 ZP3 (art. 0313308)** is a PAPR with helmet (FPN=500*) able to provide protection to the head, face, eyes and respiratory tract. Inspired filtered air is sent by a blower unit through a breathing tube to the inside of the helmet creating a slight overpressure. The continuous flow of air prevents visor misting and reduces breathing strain.

The PAPR is powered by a **Li-Ion battery**. It is ideal for jobs requiring full protection for long term work. The new **e-T5 blower unit** stands out for having a working life which is three times longer than previous models and for being equipped with low battery and filter clogging alarms (visual LED and acoustic alarm).

Blower unit, battery, charger and electric cord have an ingress protection rating **IP65** against particles and liquid splashes.

No fit test required.

* Nominal protection factor according to EN 529:2006

KAIOS HELMET:

- **Fiberglass** (three layers)
- **White color**: to repel ultraviolet sun rays
- **Adjustable inner headband** (from 53 to 63 cm): to fasten the helmet to the forehead
- **Chin strap** included
- Built-in **airflow indicator**
- **Low noise** level

VISOR

- **Flip-up polycarbonate** visor
- **Anti-scratch** and **anti-fog** treatments
- **EN 166 (optical class 2)** certified
- Can withstand impact with particles (speed up to **120 m/s**)
- Compatible with neck headphones
- Built-in **airflow indicator**
- **Protective films** are available as an accessory

LITHIUM BATTERY:

- Lightweight and handy
- **External** to the blower unit: easy to replace
- **Over 8 hours** of continuous running time**
- **No memory effect**

FILTER:

- Protection **P3** (filtering efficiency 99.95% for particles not less than 0.3 Micron)
- **110mm** diameter for an enhanced airflow
- Type **R=reusable**

e-T5 BLOWER UNIT:

- Compact and lightweight
- Long lasting **coreless motor**: up to 3000 hours of working life
- Constant airflow of **210 l/m**** for the whole work cycle
- **Visual LED and acoustic alarm** for low battery and filter clogging
- Threaded filter connection according to **EN 148-1** specifications (filter)
- Quick connect coupling (hose)

CHARGER:

- Fully recharged battery in just **3 hours**

** With fully charged battery and clean P3 filters

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COMPOSITION:

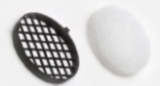
- 1 KAIOS Helmet
- 1 Breathing hose
- 1 Belt kit
- 1 e-T5 Blower unit
- 1 Lithium battery
- 1 Electric cord
- 1 Charger
- 1 P3 filter
- Use instructions



ACCESSORIES (TO BE ORDERED SEPARATELY):

Particulate prefilter and prefilter grid

- Used to prolong the life of the particle section of combined filters



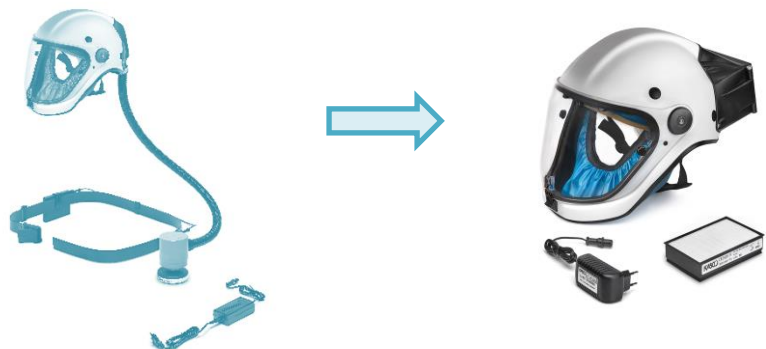
Protective films for industrial applications **

- Films suitable for protection against abrasive material (pack of 10)



COMPACT VERSION:

The user can convert the respirator in a compact version -with motor unit, battery and filter positioned on the rear- which is ideal for those who requires more freedom of movement and/or have to work in tight/narrow spaces. Contact us to know which components are needed.



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TECHNICAL FEATURES:

SPECIFICATIONS	UM	Value	Notes
Weight (helmet)	[kg]	0,9	
Weight (full kit)	[kg]	2,7	
CONSTANT airflow at 20°C-60%UR	[l/min]	210	With fully charged battery and clean filters
Sound level (<75)	[dBA]	63	
Battery	Lithium-ion rechargeable 7,4V		
Battery life	2 years or 300 cycles		
Battery running time	[h]	> 8	
Recharging time	[h]	3	
Operating temperature	[°C]	0 – 40	
Operating humidity	[%]	< 80	
Classification [EN12941]	TH3 P R SL	Filtering efficiency P3 (99,95%)	
Nominal Protection Factor (FPN) [EN529]	500		
Head protection	EN 397		
Eyes protection	EN 166 CL.2		
Ingress Protection (IP)	IP65		

COMPONENTS	Materials	Notes
e-T5 blower unit	ABS	
Breathing hose	PVC	
Belt kit	PVC	Smooth surface which can be easily decontaminated
Visor	Polycarbonate	
Collar	Polyamide	
Helmet shell	Fiberglass	
Inner shell	Polyurethane	

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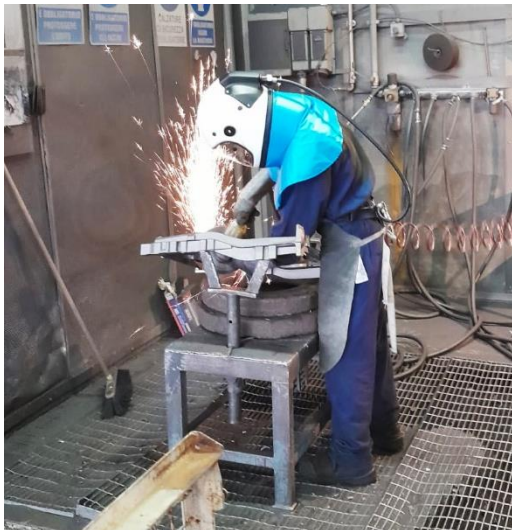


APPLICATIONS:



- Sandblasting
- Fiberglass and minerals
- Solidified polyurethane
- Powder coating
- Steel industry
- Foundry

- Construction, building and renovation
- Cutting/polishing/grinding/drilling of concrete, plaster, stone, masonry
- Controlled demolition



- Chemical
- Pharmaceutical
- Food processing

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