

▶ PARAT® 3100

Evacuation air purifying unit (escape half mask)



Technical specifications

Air purifying performances	ABEK-15 gas filter against organic and inorganic gases and vapors
Storage life	4 years maintenance-free, filter replacement every 4 years, 12 years total lifetime
Dimensions	(L x l x h) 170 x 110 x 90 mm
Weight	Approximately 360g
Certifications	DIN 58647 part 7 (CE 0158)

Operating principle

The **PARAT® 3100** is an evacuation half mask equipped with an ABEK-15 gas filter. Stored in a robust and ergonomically designed housing, it is compact and easy to carry. Compliant with the only renowned standard on air purifying industrial escape units (DIN 58647-7), it provides at least 15 minutes of safe air to its user for emergency evacuation.

▶ Easy And quick operation

To operate, the user just needs to open the case and place the self-rescuer on his/her face. Pictograms on the enclosure explain this process.

▶ Easy donning

Half-mask with 2-point fixing flange and ABEK-15 cartridge for reliable protection against many industrial toxic gases.

▶ 12-year lifetime

4 years maintenance-free, filter replacement every 4 years, 12 years total lifetime for this escape half-mask

▶ Compatible with other PPE

Safety goggles, helmets...

▶ Tropical version

The **PARAT® 3160** (tropical version) is vacuum packed in an aluminum ideal for use in tropical areas.



▶ Air purifying capabilities in compliance with the DIN 28647-7* standard

Type	Calibration gas	Concentration in ppm	Breakthrough concentration in ppm	Minimal breakthrough time in min
A	Cyclohexane (C6H12)	2,500	10	15
B	Chlorine (Cl2)	2,500	0.5	15
B	Hydrogen sulfide (H2S)	2,500	10	15
B	Hydrogen cyanide (HCN)	2,500	10	15
E	Sulfur dioxide (SO2)	2,500	5.0	15
K	Ammonia (NH3)	2,500	25	15
B	Hydrogen sulfide (H2S)	10,000**	20	5

* Testing conditions: 30L/min, 70% relative humidity, 20°C.

** In order to identify the protection capability, the gas filter has also been tested at 10,000 ppm of hydrogen sulfide.