

# Datasheet

## Escape respirator with filter

With Safety.

**Model:** H 900 A2B2E2K2HgP3

**Article-Number:** 202399

Escape hood provided with combined filter, equipped with EN 148-1 standard connection, for organic vapours with boiling point higher than 65°C, inorganic gases and vapours, acid gases, Sulphur Dioxide, Ammonia and its organic derivatives, Mercury vapours, dusts, fumes and mists.

The respirator is contained in a bag with belt loops, ring for wall application and side rings for shoulder use and thanks to its reduced weight and size it can be carried for a complete shift.

All the components of the device (bag, hood, filter) are made of antistatic materials that make it suitable for use in potentially explosive atmospheres, as they do not generate electrostatic charges when rubbed. H 900 is therefore ATEX certified.



### TECHNICAL DATA

#### Breathing resistance of complete device H 900 A2B2E2K2HgP3 (DIN 58647-7)

Test flow	Breathing resistance (mbar)	
	Max. standard	Measured
Inhalation 20 cycles/min x 1.5 l/stroke	8	2.7
Exhalation 20 cycles/min x 1.5 l/stroke	5	1.2

#### Gas performance of filter A2B2E2K2HgP3 (EN 14387)

Type of filter	Class	Gas test	Test conc. (ppm)	Test flow (l/min)	Test H.R. (%)	Duration (min)	
						Required	Measured
A	2	C <sub>6</sub> H <sub>12</sub>	5000	30	70	35	48
B	2	Cl <sub>2</sub>	5000	30	70	20	32
		H <sub>2</sub> S	5000	30	70	40	47
		H <sub>2</sub> S	10000*	30	70	-	14
		HCN	5000	30	70	25	> 38
E	2	SO <sub>2</sub>	5000	30	70	20	28
K	2	NH <sub>3</sub>	5000	30	70	40	52
Hg	-	Hg	1000	30	70	100 (h)	>120 (h)

\* test not required by EN 14387

#### Performance particle filtration of filter A2B2E2K2HgP3 (EN 143)

Type of filter	Test flow (l/min)	Test Aerosol	Penetration (%)	
			Max. standard	Measured
P3	95	NaCl	0.05	0.0008
		Paraffin oil	0.05	0.008

Revision 12.2023 – Errors and omissions excepted. All data are non-binding guide values.

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**Total inward leakage (TIL):**

Requirement EN 403: average for all workings < 2 % with SF6  
Result H 900 hood: 0.3 %

**Limitations for use:**

Do not use in areas where the oxygen concentration is lower than 17 % in volume nor in presence of gases different from those clearly indicated. The filter isn't suitable for the protection against organic vapours whose boiling point is lower than 65 °C, Carbon Monoxide (CO), Nitrogen Oxides.

**Classifications:**

The Escape respirator with combined filter is EC certified according to PPE Regulation 2016/425/EU. It was tested according with the following standards:

EN 14387+A1 for combined filter, DIN 58647-7 and EN 403 M type (to be carried on the person) for hood and bag, EN 140 for half mask.

Additional ATEX certification as non-electrical device for use in potentially explosive atmosphere according to 2014/34/ EU Directive. Below are the details of the ATEX marking: II 1G Ex h IIC T6 Ga -> non-electrical appliances intended for use in the surface industry, where there is the possibility of explosive atmospheres due to the presence of gas - Zone 0 II 1D Ex h IIC T85 ° C -> non-electrical appliances intended for use in the surface industry, where there is the possibility of explosive atmospheres due to the presence of dust - Zone 20

**Marking:****Materials:**

Bag: Antistatic PVC  
Hood: PVC coated cotton with PU collar and anti-fog treated PC visor  
Half-mask: Silicone  
Filter housing: Polypropylene  
Filter media: Activated carbon and filter paper

**Storage:**

Store at temperatures between -20 and +50 °C and RH < 80%

**Weight:**

Respirator: approx 550 g  
Respirator and bag: approx 750 g

**Dimensions/Packing:**

The respirator, in its container, is sold singularly in a plastic bag which also includes the information notice. Dimensions of the respirator in its container: 130 x 120 x 300 mm.

**Shelf life:**

Respirators duly stored and in their original packaging will last five years from production. The expiry date is stamped onto the filter label and on the respirator container. Upon expiration it is possible to extend the shelf life of the product for another five years, upon check by SPASCIANI or authorised dealer.

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