

Datasheet

Escape respirators



With Safety.

Model: H 900 ABEK CO P

Article-Number: 202660

Escape hood for self-rescue very easy to use that allows escaping from the polluted area in case of fire. The device is provided with filter for acrolein, Hydrogen chloride, Hydrogen cyanide, Carbon monoxide and dusts, fumes and mists and offers additional protection for ABEK type gases.

The respirator is contained in a practical bag in antistatic fabric 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 so that it can be rapidly worn in case of accident.

H 900 is made up of antistatic materials that make it suitable for use in potentially explosive atmospheres, or when the danger of a potential explosion is associated with the presence of gas or dust on the surface (thus excluding mines or deep quarries). 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 IIIC 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.



TECHNICAL DATA

Breathing resistance

Test flow (l/min)	Inhalation (mbar)		Exhalation (mbar)	
	Max. standard	Measured	Max. standard	Measured
95	8	5.4	5	2.5

Gas Performance

Gas test	Test conc. (ppm)	Test flow rate (l/min)	Test H.R. (ml/m³)	Breakthrough conc. (ppm)	Duration (min)	
					Requested	Measured
Acrolein	100	30	70	10	> 15	> 90
HCL	1000	30	70	0.5	> 15	115
HCN	2500*	30	70	10	> 15	56
CO	2500	20 cycles/min and 1,5 l/stroke:	20.7 g/m³ at 23-25°C	20	> 15	> 15
	5000			10	> 15	> 15
	7500			5	> 15	> 15
	10000			25	> 15	> 15

Particle filtration performance

Filter type	Test flow (l/min)	Test aerosol	Penetration (%)	
			Max standard	Measured
P	95	NaCl	6	0.85

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

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ABEK gases performance

Additional protection tested according to the requirements of the DIN 58647-7 standard in terms of concentrations and flows. The ABEK protection is not subject to EC certification and has been tested only to give information about the use in environments with the presence of ABEK type gases.

Gas test		Test conc. (ppm)	Test flow rate (l/min)	Test H.R. (%)	Bre-akthrough conc. (ppm)	Duration (min)
A	C_6H_{12}	2500	30	70	10	8
B	Cl_2	2500	30	70	0.5	6
	H_2S	2500	30	70	10	17
	H_2S	10000	30	70	20	5
	HCN	2500	30	70	10	> 15
E	SO_2	2500	30	70	5	16
K	NH_3	2500	30	70	25	17

Inward leakage (IL):

The Inward Leakage with SF6 gas shall be not greater than 2%.

Medium IL value for H 900 is 0.34%

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 and Nitrogen Oxides. The respirator, for standard definition, is designed for single use only.

Classifications:

Respirator complying with the provisions of Regulation PPE 2016/425/EU. Filtering smoke hood CO P type, class 15 minutes, M type (to be carried on the person) according to EN 403 standard. Additional ABEK protection tested according to DIN 58647-7. Non-electrical equipment as defined in Atex Directive 2014/34/EU.

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, catalyst and filtre paper

Storage:

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

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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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