

▶ H900

Industrial emergency escape hood



Technical specifications

Function: Single use evacuation filtering device for hazardous areas in case of accident

Operating conditions:

- Oxygen level > 19% in volume
- Temperature: -20 to 50°C
- Humidity: < 80% HR (without condensation)

Filter: 5 versions available depending on applications and situations ABEK, ABEK-P, ABEK2Hg-P3, CO-P, ABEKCO-P, ABEK CO NO-P

Duration of storage: 5 years (possibility to change filter and seals for 5 more years)

Dimensions: 130mm x 120mm x 300mm

Weight (hood with filter + bag):

- H900 ABEK 15: 670g
- H900 ABEKP 15: 670g
- H900 A2B2E2K2HgP3: 800g
- H900 CO P: 750g
- H900 ABEK CO P: 750g

Certifications:

- Personal protective equipments: UE 2016/425
- Filtering evacuation devices: DIN 58647-7 :1997
- Fire escape hoods: EN 403:2004
- Non-electronic equipments: ATEX certified 2014/34/UE

 **Codification**

Products	References
H900 ABEK 15	117080000
H900 ABEKP 15	117090000
H900 ABEK CO P	117100000
H900 CO P	117110000
H900 A2B2E2K2HgP3	117260000

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Product description

Available in 5 versions depending on the filter and application, the **H900 industrial emergency escape hood** is an innovative and very intuitive device to use. Its universal size allows it to adapt to all face shapes and offers the user both respiratory and ocular protection.

Conforms to the EN 403:2004 standard for fire escape hoods (with CO-P or ABEK CO-P filters) and certified DIN 58647-7 (filtered escape devices), the **H900** escape hood provides 15 minutes of protection against gases, vapors and particles generated during industrial accidents.

The **H900** industrial emergency escape hood is designed from antistatic materials making it suitable for use in potentially explosive atmospheres (ATEX 2014/34/UE approved). It is declined in 5 versions of filters to suit the different evacuation situations based on a minimum autonomy of 15 minutes:

H900 hood with ABEK filter: Organic and inorganic vapors, acid gases, sulfur dioxide (SO₂), ammonia (NH₃) and its derivatives. It is the most commonly used escape hood for emergency evacuation from industrial sites.

H900 hood with ABEK-P filter: It is the ABEK version with a complementary protection against fine particles, aerosol, viruses and bacteria. It is particularly suitable for areas with a potential presence of solid or liquid contaminants such as industrial waste recycling facilities.

H900 hood with ABEK2Hg-P3 filter: This is the most complete escape hood in its category. It has the same characteristics as the ABEK-P filter hood with additional protection against mercury vapors. It is very popular for decontamination work in industrial sites.

H900 hood with CO-NO-P filter: It is the escape hood used in case of fire for the tertiary sector, without toxic chemicals. It provides 15 minutes of protection against fine solid or liquid particles, aerosols, mists, viruses, bacteria, and carbon monoxide (CO) present in smoke generated by fires, as well as nitrogen monoxide (NO), which is frequently released during combustion.

H900 hood with ABEKCO-P filter: Industrial and fire emergency evacuation hood. It has the same characteristics as the ABEK-P filter with additional protection against carbon monoxide (CO) present in the fumes. It is very popular on industrial sites with fire risks.

H900 hood with ABEK filter:

Type	Calibration gas	Concentration in ppm	Breakthrough in ppm	Minimum exposure time (min)
A	Cyclohexane (C6 H12)	2500	10	38
B	Chlorine (Cl2)	2500	0.5	24
B	Hydrogen sulfide (H2S)	2500	10	32
B	Hydrogen sulfide (H2S)	10000	20	9
B	Hydrogen cyanide (HCN)	2500	10	>20
E	Sulphur dioxide (SO2)	2500	5	20
K	Ammonia (NH3)	2500	25	33

H900 hood with ABEK-P filter:

Type	Flow (l/min)	Aerosol	Penetration Max allowed (%)	Penetration Max measured (%)
P	95	Sodium chloride (NaCl)	6	1.4
		Paraffin oil		3.4

H900 hood with ABEK2Hg-P3 filter:

Type	Calibration gas	Concentration in ppm	Required breakthrough time(min)	Minimum exposure time (min)
A	Cyclohexane (C6 H12)	5000	35	48
B	Chlorine (Cl2)	5000	25	32
B	Hydrogen sulfide (H2S)	5000	40	47
B	Hydrogen sulfide (H2S)	10000*	-	20*
B	Hydrogen cyanide (HCN)	5000	25	>38
E	Sulphur dioxide (SO2)	5000	20	28
K	Ammonia (NH3)	5000	40	52
Hg	Hg (Mercure)	1000	100 (h)	>120 (h)

Type	Flow (l/min)	Aerosol	Penetration Max allowed (%)	Penetration Max measured (%)
Hg	95	Sodium chloride (NaCl)	0.05	0.0008
		Paraffin oil	0.05	0.008

H900 hood with CO NO-P filter:

Calibration gas	Concentration in ppm	Breakthrough in ppm	Minimum exposure time in min
Acrolein	100	10	>90
HCL	1000	0.5	115
HCN	2500*	10	56
CO	2500	20	>15
	5000	10	>15
	7500	5	>15
	10000	25	>15
NO /NO2	2500	5	7 / >30

Type	Flow (l/min)	Aerosol	Penetration Max allowed (%)	Pénétration Max mesurée (%)
P	95	Sodium chloride (NaCl)	6	0.85

H900 hodd with ABEKCO-P filter:

Type	Flow (l/min)	Aerosol	Penetration Max allowed (%)	Penetration Max measured (%)
P	95	Sodium chloride (NaCl)	6	0.85