

PRODUCT DATA SHEET

CleanAIR® Filter A2B2E2K2HgP3, thread RD40x1/7"

Product code

50 01 66

Description

CleanAIR® Filter A2B2E2K2HgP3, thread RD40x1/7" provides protection against a combination of contaminants in the form of gases, vapours and solid and liquid particles + mercury.



Standards

A2B2E2K2HgP3 D R according to **EN 14387:2004 + A1**
TH3 A2B2E2K2P R SL according to **EN 12941:1998 / A2:2008**
TM3 A2B2E2K2P R SL according to **EN 12942:1998 / A2:2008**

Compatibility

CleanAIR® Filter A2B2E2K2HgP3, thread RD40x1/7" can be connected directly to any compatible mask, alternatively used as a part of PAPR system. Using the filter in combination with PAPR unit, higher user comfort can be achieved.

Recommended CleanAIR® masks

full face mask Shigematsu GX02
 full face mask Shigematsu CF02
 half mask CleanAIR® CA-5

Recommended PAPR units

CleanAIR® Chemical 2F Plus
 CleanAIR® Chemical 3F Plus
 CleanAIR® Chemical DF

Group of contaminants	Protect against
A	Organic gases and vapours with a boiling point above 65 °C (e.g. toluene, benzene, styrene, kerosene, petrol, isobuthanol, ...)
B	Inorganic gases and vapours (e.g. fluorine, chlorine, hydrogen sulphide, hydrogen cyanide, hydrogen chloride, hydrogen peroxide, ...)
E	Acid gases and vapours (e.g. carbon dioxide, sulphuric acid, hydrochloric acid, formic acid, hydrogen fluoride, ...)
K	Ammonia and organic amines (e.g. methylamine, ethylamine, dimethylamine, ...)
Hg	Mercury (mercury vapours and its compounds)
P	Solid particles in the form of liquid and solid aerosols (e.g. dust, smoke, fibres, bacteria, viruses and radioactive particles, ...)

Weight

385 g

Dimensions

diameter 110 mm
 height 95 mm

Materials

filter housing: ABS
 filtration medium: microfiber glass media
 activated charcoal

Thread

RD40x1/7" in accordance with EN 148-1

Storage conditions Operating conditions

-10°C to + 55°C, humidity 20 - 80 % RH
 +10°C to + 40°C, humidity 20 - 80 % RH

Main requirements of EN 14387:2004 + A1, EN 12941:1998 / A2:2008 and EN 12941:1998 / A2:2008	
Breathing resistance with clean filters	
30 l/min	max. 260 Pa
95 l/min	max. 980 Pa
Gas filter capacity with test gas (30 l/min - 0,5 % concentration)	
Cyclohexane C ₆ H ₁₂	min. 35 min
Chlorine Cl ₂	min. 20 min
Hydrogen Sulphide H ₂ S	min. 40 min
Hydrogen Cyanide HCN	min. 25 min
Sulphur Dioxide SO ₂	min. 20 min
Ammonia NH ₃	min. 40 min
Mercury Hg (concentration 13 g/m ³)	min. 100 hod
Gas filter capacity with test gas (70 l/min - 0,1 % concentration)	
Cyclohexane C ₆ H ₁₂	min. 70 min
Chlorine Cl ₂	min. 20 min
Hydrogen Sulphide H ₂ S	max. 40 min
Hydrogen Cyanide HCN	max. 25 min
Sulphur Dioxide SO ₂	max. 20 min
Ammonia NH ₃	min. 50 min
Mercury Hg (concentration 13 g/m ³)	min. 100 hod
Maximum permitted penetration of test aerosol at 95 l/min	
Sodium Chloride NaCl	max. 0,05 %
Paraffin oil	max. 0,05 %

Filter A2B2E2K2HgP3, thread RD40x1/7" meets all requirements and comply with stated norms. In addition, in most aspects the filter extensively surpasses the requirements of the standard. For more information please contact our sales department at export@malina-safety.cz.

Areas of application

Filter A2B2E2K2HgP3, thread RD40x1/7" may find application in heavy industrial environments, chemical industry, laboratories, pharmaceutical industry, remediation operations, automotive industry, shipbuilding industry, etc.

Limitations



- Please, read carefully relevant instruction for use and follow your national safety regulations for PPE.
- Disposal should be undertaken in accordance with local environmental, health and safety regulations.