TECHNICAL DATASHEET

Filter A2B2E2K2HgP3, thread RD40x1/7"

Combined filter with RD40x1/7" thread



* the picture is ilustrational only and may vary depending on additional equipment

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Technical specification	
Product code	50 01 66
Standards	A2B2E2K2HgP3 D R according to EN 14387 TH3 A2B2E2K2HgP R SL according to EN 12941 TM3 A2B2E2K2HgP R SL according to EN 12942
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 - 95 % Rh – 20°C to + 60°C, humidity 20 - 95 % Rh*
Shelf life	10 years (unopened), expiry date is written on the filter label

* Be adviced that the gas sorption capacity was determined at temperature 20±1°C and 70±5% of relative humidity and the filters' actual performance might be influenced by the current ambient conditions, especially air temperature and humidity!

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. 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, ...)
OZONE	**Protection against OZONE in concentration less than 20 mg/m³ (ppm)** (the effectivenes tested according to Danish standard for measuring ozone, dated 26 March, 2001)

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Main requirements of EN 14387, EN 12941 and EN 12942	
Breathing resistance with clean filters	Required
30 l/min	max. 260 Pa
95 l/min	max. 980 Pa
Gas filter capacity with test gas (30 l/min)	Required
Cyclohexane C_6H_{12}	min. 35 min
Chlorine Cl_2	min. 20 min
Hydrogen Sulphide H_2S	min. 40 min
Hydrogen Cyanide HCN	min. 25 min
Sulphur Dioxide SO_2	min. 20 min
Ammonia NH_3	min. 40 min
Mercury Hg	min. 100 hour
Gas filter capacity with test gas (80 l/min)	Required
Cyclohexane C_6H_{12}	min. 70 min
Chlorine Cl_2	min. 20 min
Hydrogen Sulphide H_2S	min 40 min
Hydrogen Cyanide HCN	min. 25 min
Sulphur Dioxide SO_2	min. 20 min
Ammonia NH_3	min. 50 min
Mercury Hg	min. 100 hours
Maximum permitted penetration of test aerosol (95 l/min)	Required
Sodium Chloride NaCl	max. 0,05 %
Paraffin oil	max. 0,05 %

Filter A2B2E2K2HgP3, thread RD40x1/7" meets all requiremets 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.

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