TECHNICAL DATASHEET

Filter A1B1E1K1P3, thread RD40x1/7"

Combined filter with RD40x1/7" thread



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

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Technical specification	
Product code	500368/3
Standards	A1B1EK1P3 according to EN 14387 TH2/TH3 A1B1E1K1P R SL according to EN 12941 TM3 A1B1EK1P R SL according to EN 12942
Weight	360 g
Dimensions	diameter 110 mm height 97 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 + 0°C to + 60°C, humidity 20 - 95 % Rh

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, ...)
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 at concentrations up to 20 mg/m³ (10 ppm)** (the effectivenes tested according to Danish standard for measuring ozone, dated 26 March, 2001)

Disclaimer Notice

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Main requirements of EN 14387, EN 12941 and EN 12942		
Breathing resistance with clean filters	Required	Measured
30 l/min	max. 260 Pa	max. 170 Pa
95 l/min	max. 980 Pa	max. 540 Pa
EN 14387 negative pressure respirators Gas filter capacity with test gas (30 l/min) Concentration of the test gas 0,1% (1000 ppm)	Required	Measured
Cyclohexane C_6H_{12}	min. 70 min	min. 215 min
Chlorine Cl_2	min. 20 min	min. 35 min*
Hydrogen Sulphide H_2S	min. 40 min	min. 250min
Hydrogen Cyanide HCN	min. 25 min	min. 60 min
Sulphur Dioxide SO_2	min. 20 min	min. 75 min
Ammonia NH_3	min. 50 min	min. 225 min
EN 12941, EN12942 powered air purifying respirators Gas filter capacity with test gas (105 l/min) Concentration of the test gas 0,05% (500 ppm)	Required	Measured
Cyclohexane C_6H_{12}	min. 70 min	min. 90 min
Chlorine Cl_2	min. 20 min	min. 60 min
Hydrogen Sulphide H_2S	min. 40 min	min. 60 min
Hydrogen Cyanide HCN	min. 25 min	min. 60 min
Sulphur Dioxide SO_2	min. 20 min	min. 30 min
Ammonia NH_3	min. 50 min	min. 70 min
Maximum permitted penetration of test aerosol (95 l/min)	Required	Measured
Sodium Chloride NaCl	max. 0,05 %	max. 0,001 %
Paraffin oil	max. 0,05 %	max. 0,001 %

* Measured at a concentration of the test gas of 0.5% (5000 ppm)

Filter A1B1E1K1P3, 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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