

# TECHNICAL DATASHEET



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## Filter A2B2E2K2P3, thread RD40x4 mm

Combined filter with RD40x4 mm thread



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

DA-109\_-\_501168\_-\_A2B2E2K2P3\_-\_EN



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## **Filter A2B2E2K2P3, thread RD40x4 mm**

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### *Technical specification*

|                      |  |
|----------------------|--|
| Product code         | 50 11 68   |
| Standards            | A2B2E2K2P3 D R according to EN 14387<br>TH3 A2B2E2K2P R SL according to EN 12941<br>TM3 A2B2E2K2P R SL according to EN 12942 |
| Weight               | 385 g  |
| Dimensions           | diameter 110 mm<br>height 95 mm  |
| Materials            | filter housing: ABS<br>filtration medium: microfiber glass media<br>activated charcoal                                       |
| Thread               | RD40x4mm in accordance with EN 148-1   |
| Storage conditions   | - 10°C to + 55°C, humidity 20 - 95 % Rh  |
| Operating conditions | + 0°C to + 60°C, humidity 20 - 95 % Rh   |

| <i>Group of contaminants</i> | <i>Protect against</i>   |
|------------------------------|--|
| A                            | Organic gases and vapours with a boiling point above 65 °C<br>(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<br>(e.g. methylamine, ethylamine, dimethylamine, ...)   |
| P                            | Solid particles in the form of liquid and solid aerosols<br>(e.g. dust, smoke, fibres, bacteria, viruses and radioactive particles, ...)   |
| OZONE                        | Protection against OZONE in concentration less than 20 mg/m <sup>3</sup> (ppm) (the effectiveness tested according to Danish standard for measuring ozone, dated 26 March, 2001) |

### **Disclaimer Notice**

All the information contained herein is believed to be accurate and is subject to change without notice. Users should independently evaluate the suitability of each product for their own applications. CleanAIR® products are not designed for, and may not be used in, all applications.

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### **Main requirements of EN 14387, EN 12941 and EN 12942**

| <b>Breathing resistance with clean filters</b>                  | <b>Required</b> |
|---|-----------------|
| 30 l/min  | max. 260 Pa     |
| 95 l/min  | max. 980 Pa     |
| <b>Gas filter capacity with test gas (30 l/min)</b>             | <b>Required</b> |
| Cyclohexane C <sub>6</sub> H <sub>12</sub>                      | min. 35 min     |
| Chlorine Cl <sub>2</sub>  | min. 20 min     |
| Hydrogen Sulphide H <sub>2</sub> S                              | min. 40 min     |
| Hydrogen Cyanide HCN  | min. 25 min     |
| Sulphur Dioxide SO <sub>2</sub>                                 | min. 20 min     |
| Ammonia NH <sub>3</sub>   | min. 40 min     |
| <b>Gas filter capacity with test gas (80 l/min)</b>             | <b>Required</b> |
| Cyclohexane C <sub>6</sub> H <sub>12</sub>                      | min. 70 min     |
| Chlorine Cl <sub>2</sub>  | min. 20 min     |
| Hydrogen Sulphide H <sub>2</sub> S                              | min 40 min      |
| Hydrogen Cyanide HCN  | min. 25 min     |
| Sulphur Dioxide SO <sub>2</sub>                                 | min. 20 min     |
| Ammonia NH <sub>3</sub>   | min. 50 min     |
| <b>Maximum permitted penetration of test aerosol (95 l/min)</b> | <b>Required</b> |
| Sodium Chloride NaCl  | max. 0,05 %     |
| Paraffin oil  | max. 0,05 %     |

Filter A2B2E2K2P3, thread RD40x4 mm 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](mailto:export@malina-safety.cz).

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