

# TECHNICAL DATASHEET



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## **Filter A1B1E1P3, 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         | 500364                                                                                                                |
| Standards            | A1B1EP3 according to EN 14387<br>TH2/TH3 A1B1E1P R SL according to EN 12941<br>TM3 A1B1E1P R SL according to EN 12942 |
| Weight               | 240 g                                                                                                                 |
| Dimensions           | diameter 110 mm<br>height 95 mm                                                                                       |
| Materials            | filter housing: ABS<br>filtration medium: microfiber glass media<br>activated charcoal                                |
| Thread               | RD40x1/7" 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. sulphuric acid, hydrochloric acid, formic acid, hydrogen fluoride, ...)                                     |
| P                            | Solid particles in the form of liquid and solid aerosols<br>(e.g. dust, smoke, fibres, bacteria, viruses and radioactive particles, ...) |

### ***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 |

| <b>EN 14387 negative pressure respirators</b><br>Gas filter capacity with test gas (30 l/min)<br>Concentration of the test gas 0,1% (1000 ppm) | Required    | Measured     |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
| Cyclohexane C <sub>6</sub> H <sub>12</sub>                                                                                                     | min. 70 min | min. 215 min |
| Chlorine Cl <sub>2</sub>                                                                                                                       | min. 20 min | min. 35 min* |
| Hydrogen Sulphide H <sub>2</sub> S                                                                                                             | min. 40 min | min. 250min  |
| Hydrogen Cyanide HCN                                                                                                                           | min. 25 min | min. 60 min  |
| Sulphur Dioxide SO <sub>2</sub>                                                                                                                | min. 20 min | min. 75 min  |
| Ammonia NH <sub>3</sub>                                                                                                                        | min. 50 min | min. 225 min |

| <b>EN 12941, EN12942 powered air purifying respirators</b><br>Gas filter capacity with test gas (105 l/min)<br>Concentration of the test gas 0,05% (500 ppm) | Required    | Measured    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| Cyclohexane C <sub>6</sub> H <sub>12</sub>                                                                                                                   | min. 70 min | min. 90 min |
| Chlorine Cl <sub>2</sub>                                                                                                                                     | min. 20 min | min. 60 min |
| Hydrogen Sulphide H <sub>2</sub> S                                                                                                                           | min. 40 min | min. 60 min |
| Hydrogen Cyanide HCN                                                                                                                                         | min. 25 min | min. 60 min |
| Sulphur Dioxide SO <sub>2</sub>                                                                                                                              | min. 20 min | min. 30 min |
| Ammonia NH <sub>3</sub>                                                                                                                                      | min. 50 min | min. 70 min |

| <b>Maximum permitted penetration of test aerosol (95 l/min)</b> | 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)

For more information please contact our sales department at [export@malina-safety.cz](mailto:export@malina-safety.cz).

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