

# Product leaflet

<b>Product</b> Combined filter A1BE2K1-Hg-P3 R	<b>Model No.</b> SR 599	<b>Ordering No.</b> H02-7312
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## Product Description

The Combined filter SR 599 is intended for use in the SR 500/SR 500 EX fan. The filter is of type A1BE2K1-Hg-P3 R and provides protection against the following types of gases and vapours:

**Type A** protects against organic gases and vapours, such as solvents, with boiling points > +65 °C.

**Type B** protects against inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide.

**Type E** protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride.

**Type K** protects against ammonia and certain amines, such as ethylene diamine.

**Type Hg** protects against mercury vapour. **Warning.** Maximum use time 50 hours.

**Type P3 R\*** protects against all types of particulate pollutants, e.g. dust, mist and smoke.

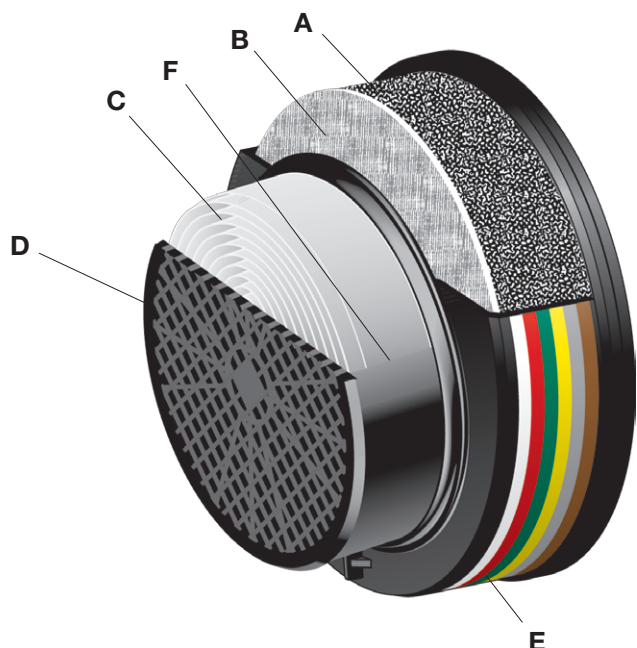
\*R (Re-useable): The filter is intended to be used for more than a single shift.

## Technical specification

	SR 599	EN 12941:1998	EN 12942:1998
<b>Diameter/height</b>	138/89 mm	–	–
<b>Weight</b>	≈ 420 g	–	–
<b>Service temperature</b>	-10 – +55 °C, < 90 % RH	–	–
<b>Storage temperature</b>	-20 – +40 °C, < 90 % RH	–	–
<b>Filtration efficiency, Paraffin oil</b>	> 99.997 %	≥ 99.98 %	≥ 99.95 %
<b>Resistance time</b>			
<b>A1, Cyclohexane C<sub>6</sub>H<sub>12</sub>, 500 ppm</b>	> 80 min	≥ 70 min	≥ 70 min
<b>B2, Chlorine Cl<sub>2</sub>, 1,000 ppm</b>	> 30 min	≥ 20 min	≥ 20 min
<b>B2, Hydrogen sulphide H<sub>2</sub>S, 1,000 ppm</b>	> 60 min	≥ 40 min	≥ 40 min
<b>B2, Hydrogen cyanide HCN, 1,000 ppm</b>	> 35 min	≥ 25 min	≥ 25 min
<b>E2, Sulphur dioxide SO<sub>2</sub>, 1,000 ppm</b>	> 30 min	≥ 25 min	≥ 20 min
<b>K1, Ammonia NH<sub>3</sub>, 500 ppm</b>	> 75 min	≥ 50 min	≥ 50 min
<b>Hg, Mercury vapor Hg, 13 mg/m<sup>3</sup></b>	> 104 h	≥ 100 h	≥ 100 h

**Approvals** EN 12941/12942:1998

- A. Activated carbon**
- B. Filter disc**
- C. Filter medium**
- D. Filter case**
- E. Marking label**
- F. Hot-melt adhesive**



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