

Product leaflet

Product

Combined filter A1BE2K1-Hg-P3 R

Model No.

SR 599

Ordering No.

H02-7312

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.

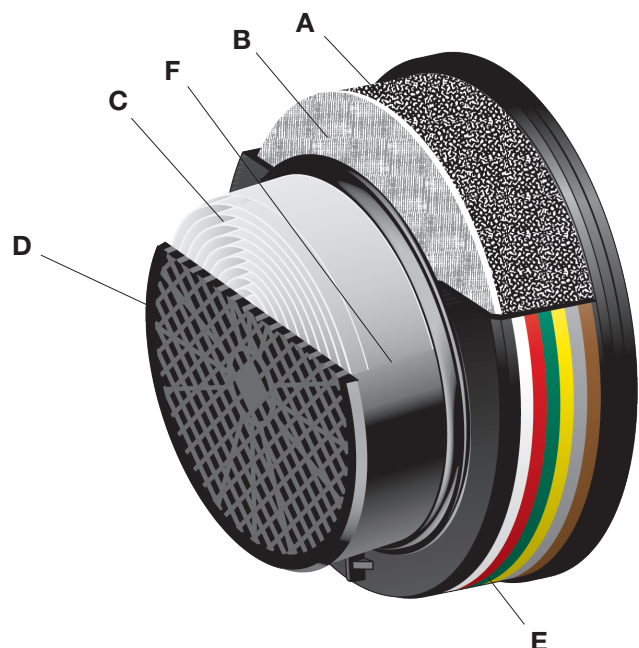
Type P3 R* protects against all types of particulate pollutants, e.g. dust, mist and smoke.

*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 |
|---|-------------------------|---------------|---------------|
| Diameter/height | 138/89 mm | – | – |
| Weight | ≈ 420 g | – | – |
| Service temperature | -10 – +55 °C, < 90 % RH | – | – |
| Storage temperature | -20 – +40 °C, < 90 % RH | – | – |
| Filtration efficiency, Paraffin oil | > 99.997 % | ≥ 99.98 % | ≥ 99.95 % |
| Resistance time | | | |
| A1, Cyclohexane C₆H₁₂, 500 ppm | > 80 min | ≥ 70 min | ≥ 70 min |
| B2, Chlorine Cl₂, 1,000 ppm | > 30 min | ≥ 20 min | ≥ 20 min |
| B2, Hydrogen sulphide H₂S, 1,000 ppm | > 60 min | ≥ 40 min | ≥ 40 min |
| B2, Hydrogen cyanide HCN, 1,000 ppm | > 35 min | ≥ 25 min | ≥ 25 min |
| E2, Sulphur dioxide SO₂, 1,000 ppm | > 30 min | ≥ 20 min | ≥ 20 min |
| K1, Ammonia NH₃, 500 ppm | > 75 min | ≥ 50 min | ≥ 50 min |
| Hg, Mercury vapor Hg, 13 mg/m³ | > 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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