

# Product leaflet

| Product            | Model No. | Ordering No. |
|--------------------|-----------|--------------|
| Gas filter A2      | SR 518    | H02-7012     |
| Gas filter ABE1    | SR 515    | H02-7112     |
| Gas filter A1BE2K1 | SR 597    | H02-7212     |

## Product Description

The SR 518 A2, SR 515 ABE1 and SR 597 A1BE2K1 gas filters are intended for use in the SR 500/SR 500 EX fan. Depending on the filter type, they protect against the following gases/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.

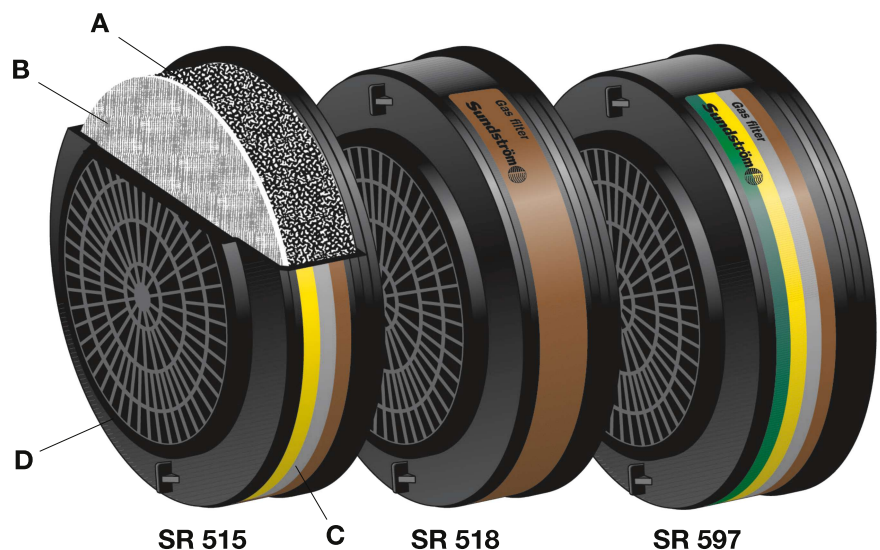
**Type K** protects against ammonia and certain amines, such as ethylene diamine.

The SR 500/SR 500 EX fan unit must always be used with two particle filters or two combined filters consisting of gas filters and particle filters.

## Technical specification

|                                                            | SR 518<br>A2               | SR 515<br>ABE1 | SR 597<br>A1BE2K1 | EN 12941:1998<br>EN 12942:1998 |
|------------------------------------------------------------|----------------------------|----------------|-------------------|--------------------------------|
| Diameter/height                                            | 138/57 mm                  | 138/57 mm      | 138/65 mm         | –                              |
| Weight                                                     | ≈ 285 g                    | ≈ 300 g        | ≈ 400 g           | –                              |
| Service temperature                                        | -10 °C – +55 °C, < 90 % RH |                |                   | –                              |
| Storage temperature                                        | -20 °C – +40 °C, < 90 % RH |                |                   | –                              |
| Resistance time                                            |                            |                |                   |                                |
| A1, Cyclohexane C <sub>6</sub> H <sub>12</sub> , 500 ppm   | –                          | > 75 min       | > 80 min          | ≥ 70 min                       |
| A2, Cyclohexane C <sub>6</sub> H <sub>12</sub> , 1,000 ppm | > 75 min                   | –              | –                 | ≥ 70 min                       |
| B1, Chlorine Cl <sub>2</sub> , 500 ppm                     | –                          | > 30 min       | –                 | ≥ 20 min                       |
| B1, Hydrogen sulphide H <sub>2</sub> S, 500 ppm            | –                          | > 60 min       | –                 | ≥ 40 min                       |
| B1, Hydrogen cyanide HCN, 500 ppm                          | –                          | > 40 min       | –                 | ≥ 25 min                       |
| B2, Chlorine Cl <sub>2</sub> , 1,000 ppm                   | –                          | –              | > 30 min          | ≥ 20 min                       |
| B2, Hydrogen sulphide H <sub>2</sub> S, 1,000 ppm          | –                          | –              | > 60 min          | ≥ 40 min                       |
| B2, Hydrogen cyanide HCN, 1,000 ppm                        | –                          | –              | > 35 min          | ≥ 25 min                       |
| E1, Sulphur dioxide SO <sub>2</sub> , 500 ppm              | –                          | > 30 min       | –                 | ≥ 20 min                       |
| E2, Sulphur dioxide SO <sub>2</sub> , 1,000 ppm            | –                          | –              | > 30 min          | ≥ 20 min                       |
| K1, Ammonia NH <sub>3</sub> , 500 ppm                      | –                          | –              | > 75 min          | ≥ 50 min                       |
| Approvals                                                  | EN 12941/12942:1998        |                |                   |                                |

- A. Activated carbon**
- B. Filter disc**
- C. Marking label**
- D. Filter case**



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