

Product leaflet

Product
Particle filter P3 R

Model No.
SR 510

Ordering No.
H02-1312

Product Description

The SR 510, P3 R* particle filter is designed for use in Sundström half masks, full face masks and the SR 500/SR 500 EX/SR 700 fan. The filter provides protection against all types of particulate pollutants. The particle filter can easily be combined with gas filters from the Sundström filter range in order to provide protection also against gases and vapours, e.g. during spray painting. The particle filter should be combined with pre-filter SR 221, which will thereby extend the life of the particle filter.

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

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

Overview of particle filter

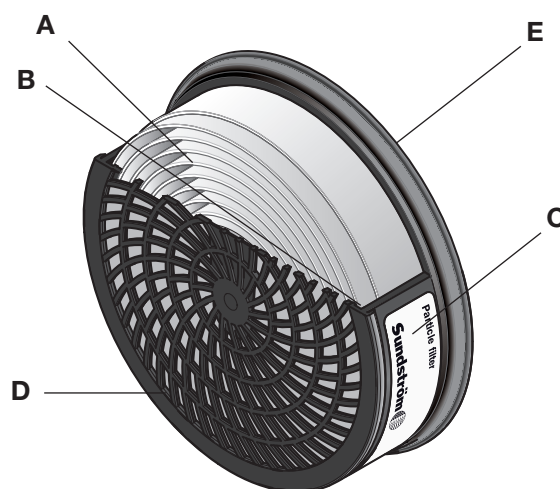
Model	Application
SR 510	SR 100, SR 200, SR 900. Fan SR 500/SR 500 EX/SR 700
SR 710	Fan SR 500/SR 500 EX/SR 700

See separate product leaflets.

Technical specification

	SR 510	EN 143:2000	EN 12941:1998	EN 12942:1998
Pressure drop at 30 l/min.	≈ 40 Pa	≤ 120 Pa	-	-
Pressure drop at 95 l/min.	≈ 120 Pa	≤ 420 Pa	-	-
Diameter/height	107/31 mm	-	-	-
Weight	≈ 44 g	≤ 300 g	-	-
Service temperature	-10 – +55 °C, < 90 % RH	-	-	-
Storage temperature	-20 – +40 °C, < 90 % RH	-	-	-
Filtration efficiency, paraffin oil	> 99.997 %	≥ 99.95 %	≥ 99.80 %	≥ 99.95 %
Approvals	EN 143:2000, EN 12941/12942:1998			

- A. Filter medium
- B. Hot-melt adhesive
- C. Marking label
- D. Filter case
- E. Gasket



Sundström Safety AB
Tel: +46 10 484 87 00
Västergatan 4
SE-341 50 Lagan

Sundström
www.srsafety.com

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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.

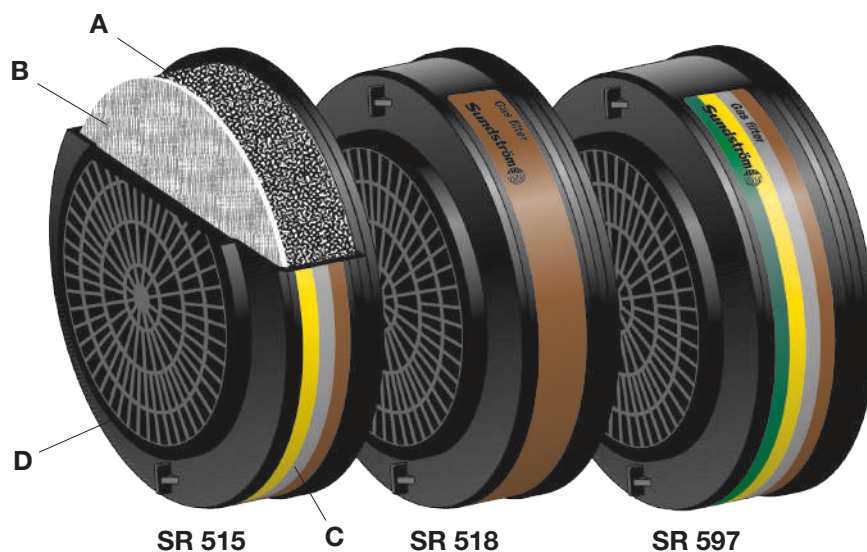
Type K protects against ammonia and certain amines, such as ethylene diamine.

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 A2	SR 515 ABE1	SR 597 A1BE2K1	EN 12941:1998 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 ₆ H ₁₂ , 500 ppm	–	> 75 min	> 80 min	≥ 70 min
A2 , Cyclohexane C ₆ H ₁₂ , 1,000 ppm	> 75 min	–	–	≥ 70 min
B1 , Chlorine Cl ₂ , 500 ppm	–	> 30 min	–	≥ 20 min
B1 , Hydrogen sulphide H ₂ S, 500 ppm	–	> 60 min	–	≥ 40 min
B1 , Hydrogen cyanide HCN, 500 ppm	–	> 40 min	–	≥ 25 min
B2 , Chlorine Cl ₂ , 1,000 ppm	–	–	> 30 min	≥ 20 min
B2 , Hydrogen sulphide H ₂ S, 1,000 ppm	–	–	> 60 min	≥ 40 min
B2 , Hydrogen cyanide HCN, 1,000 ppm	–	–	> 35 min	≥ 25 min
E1 , Sulphur dioxide SO ₂ , 500 ppm	–	> 30 min	–	≥ 20 min
E2 , Sulphur dioxide SO ₂ , 1,000 ppm	–	–	> 30 min	≥ 20 min
K1 , Ammonia NH ₃ , 500 ppm	–	–	> 75 min	≥ 50 min
Approvals	EN 12941/12942:1998			

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



Head Office
Tel: +46 10 484 87 00

Visiting address:
Stockholmsvägen 33
SE-181 33 Lidingö

Factory
Tel: +46 10 484 87 00

Visiting address:
Västergatan 4
SE-341 50 Lagan

Sundström
www.srsafety.com