

Product leaflet

Product	Model No.	Ordering No.
Powered air purifying respirator	SR 500	H06-0112

Product Description

The SR 500 is a battery-powered fan that, together with a filter and an approved head top, is included in the Sundström fan-assisted respiratory protective device systems. The SR 500 can be used as an alternative to filter respirators in all situations in which these are recommended. This applies particularly to work that is hard, warm or of long duration.

The human interface may consist of a hood, face shield, half mask or full face mask. The fan is equipped with a filter, and the filtered air is fed through a hose to the human interface. The pressure then generated prevents surrounding pollutants from penetrating into the mask.

The characteristics of the SR 500 are as follows:

The battery is of lithium-ion type • Two battery alternatives, i.e. STD (Standard 2.2 Ah) and HD (Heavy Duty 3.6 Ah) • The charging time for the Standard battery is around 1.5 hours and for the Heavy Duty battery, about 2 hours • Equipped with two filters/combined filters • Operating time of up to 12 hours • The same control is used for starting, stopping and selection of operating status • Display with symbols • Equipped with automatic air flow control with compensation for air pressure and temperature • Can be used together with hoods SR 520, SR 530, SR 561, SR 562, SR 601, SR 602 face shield SR 540, SR 570, half mask SR 900, full face mask SR 200, welding shield SR 590, SR 592, helmet with visor SR 580 or welding shield/helmet with visor SR 584/SR 580.

Electronics ingress protection is approved in IP class IP67 according to IEC / EN 60529.

The SR 500 is also available in an explosion-protected version designated the SR 500 EX for use in a potentially explosive atmosphere. See the separate product leaflet.

Technical specification

	SR 500	EN 12941:1998 + A2:2008	EN12942:1998 + A2:2008
Air flow, min/max	175/240 l/min	≥ 120 l/min	-
STD-battery/HD-Battery	14.8V, 2.2 Ah/3.6 Ah	-	-
Operating times at 175/240 l/min:			
P3, STD-battery	7 h/4 h	≥ 4 h	≥ 4 h
P3, HD- battery	12 h/7.5 h	≥ 4 h	≥ 4 h
Weight with STD-battery and P3 filter	≈ 1 350 g	≤ 3,500 g	≤ 3,500 g
Service conditions	-10 °C to +55 °C, < 90 % RH, 600 to 1200 hPa	-	-
Storage conditions	-20 °C to +40 °C, < 90 % RH	-	-
Low flow warning level	< 175 l/min	≤ 175 l/min	≤ 175 l/min
Assigned Protection Factor¹: SR 520, SR 530, SR 540, SR 561/562, SR 580, SR 584, SR 590, SR 601, SR 602	40 (TH3)	-	-
Assigned Protection Factor¹ SR 200	40 (TM3)	-	-
Nominal Protection Factor² SR 520, SR 530, SR 540, SR 561/562, SR 580, SR 584, SR 590, SR 601, SR 602	500 (TH3)	-	-
Nominal Protection Factor² SR 200	2000 (TM3)	-	-
Approvals	EN 12941:1998 + A2:2008 EN 12942:1998 + A2:2008	-	-

1) Specified in BS 4275 and applies generally to all approved fan-assisted respiratory protective devices, regardless of the test results.

2) According to EN 529:2005.



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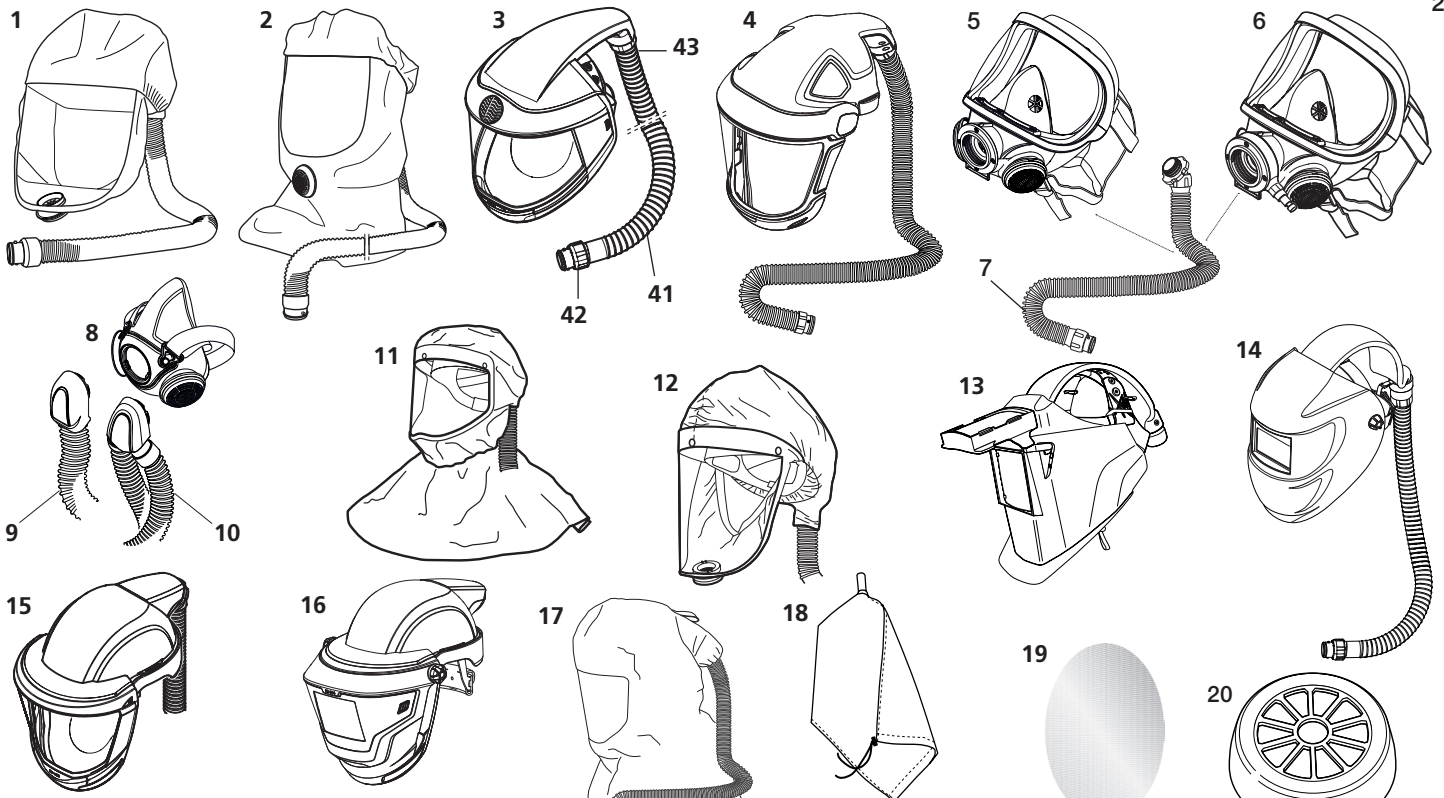
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Sundström 
www.srsafety.com



Head-tops, spare parts and accessories

Item

No. Part

Ordering No.

- 1. Hood SR 520 M/L H06-0212
- 1. Hood SR 520 S/M H06-0312
- 2. Hood SR 530 H06-0412
- 3. Face shield SR 540 H06-0512
- 4. Face shield SR 570 H06-6512
- 5. Full face mask SR 200, PC visor H01-1212
- 5. Full face mask SR 200, glass visor H01-1312
- 6. Full face mask SR 200 Airline, PC visor H03-1012
- 6. Full face mask SR 200 Airline, glass visor H03-1212
- 7. PU hose SR 550 for SR 200 T01-1216
- 7. Rubber hose SR 551 for SR 200 T01-1218
- 8. SR 900 S H01-3012
- 8. SR 900 M H01-3112
- 8. SR 900 L H01-3212
- 9. Hose SR 951 T01-3003
- 10. Twin hose SR 952 R01-3009
- 11. Hood SR 561 H06-5012
- 12. Hood SR 562 H06-5112
- 13. Welding shield SR 590 H06-4012
- 14. Welding shield SR 592 H06-4412
- 15. Helmet with visor SR 580 H06-8012
- 16. Welding shield/Helmet with visor SR 584/SR 580 H06-8310
- 17. Hood SR 601 H06-5412
- 17. Hood SR 602 H06-5512
- 18. Flow meter SR 356 R03-0346
- 19. Steel net disc SR 336 T01-2001
- 20. Asbestos Kit SR 509 T06-0105
- 21. Battery SR 501, 2,2 Ah R06-0108
- 21. Battery HD SR 502, 3,6 Ah T06-0101
- 22. Battery charger SR 513 R06-0103
- 23. Charging station without chargers SR 506 T06-0108
- 23. Charging station, complete SR 516 T06-0111
- 24. Belt SR 508 R06-0101
- 24. Rubber belt SR 504 T06-0104
- 24. PVC belt T06-0124
- 25. Leather belt SR 503 T06-0103
- 26. HD belt SR 553, standard T06-0119
- 26. HD belt SR 553, large T06-0120
- 27. Harness SR 552 T06-0116
- 28. Fan SR 500, bare R06-0110
- 29. Splash cover SR 514 T06-0114
- 30. Storage bag SR 505 w two compartments T06-0102
- 31. Pre-filter holder SR 512 R06-0106
- 32. Pre-filter SR 221 H02-0312
- 33. Particle filter P3 R, SR 510 H02-1312
- 34. Filter adapter SR 511 R06-0105
- 35. Pre-filter holder for SR 710 R01-0605
- 36. Particle filter P3 R, SR 710 H02-1512
- 37. Gas filter A2, SR 518 H02-7012
- 38. Gas filter ABE1, SR 515 H02-7112
- 39. Gas filter A1BE2K1, SR 597 H02-7212
- 40. Combined filter A1BE2K1-Hg-P3 R, SR 599 H02-7312
- 41. Hose SR 541 for SR 540 R06-0501
- 42. O-ring for breathing hose R06-0202
- 43. Flat gasket for hose SR 541 R06-0506
- 44. Gasket for fan R06-0107
- 45. Plug kit R06-0703

