

Product leaflet

Product
Powered air purifying respirator

Model No.
SR 500

Ordering No.
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 13 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, face shield SR 540, half mask SR 900, full face mask SR 200, welding shield SR 590, 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 (ATEX Directive 94/9/EC). 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	8 h (7 h ³)/5 h (4 h ³)	≥ 4 h	≥ 4 h
P3, HD- battery	13 h (12 h ³)/8 h (7 h ³)	≥ 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	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	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.

3) SR 900 + SR 951/SR 952.



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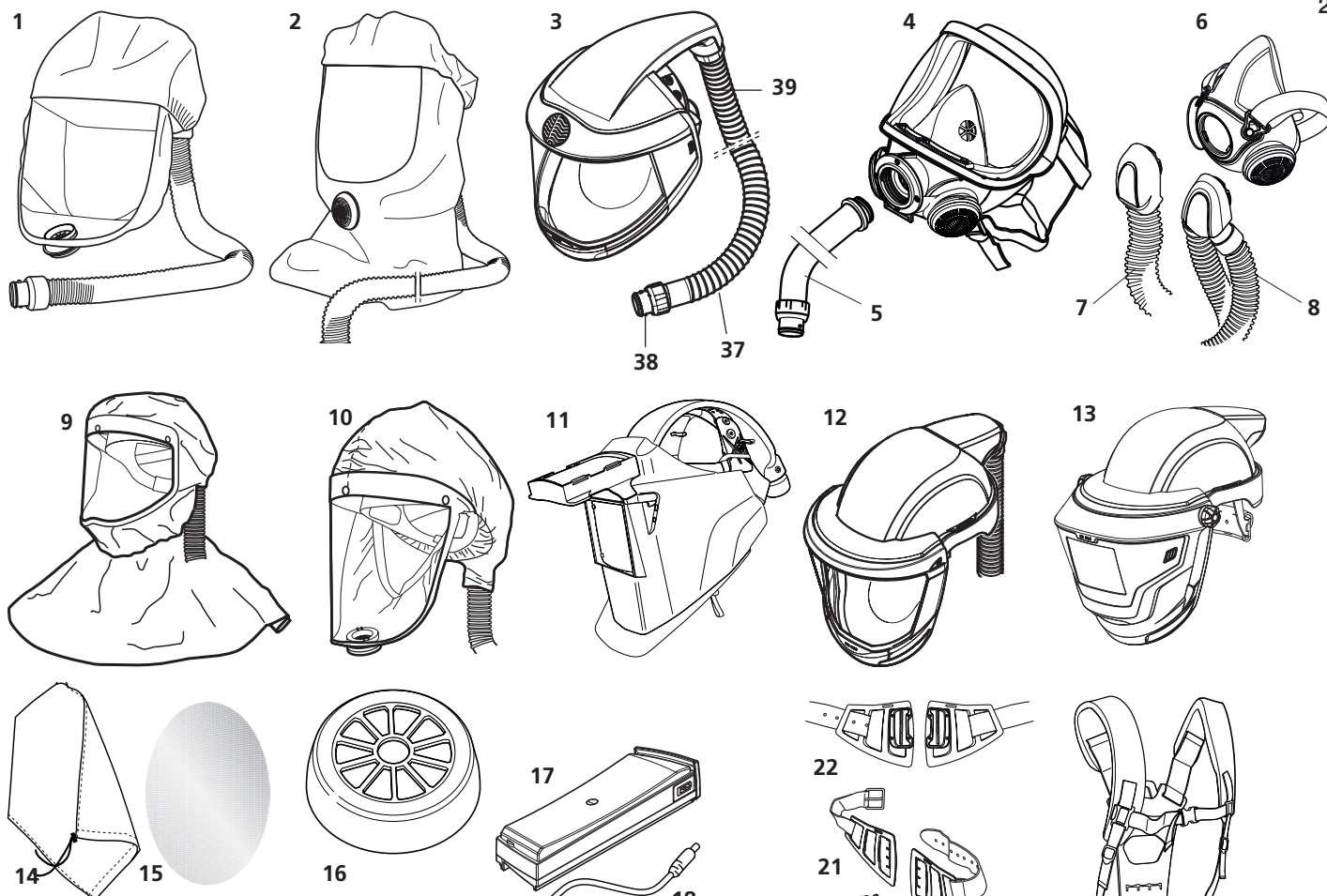
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Sundström 
www.srsafety.com



Head-tops, spare parts and accessories

Item

No. Part

1. Hood SR 520 M/L
1. Hood SR 520 S/M
2. Hood SR 530
3. Face shield SR 540
4. Full face mask SR 200, PC visor
4. Full face mask SR 200, glass visor
5. PU hose SR 550 for SR 200
5. Rubber hose SR 551 for SR 200
6. SR 900 S
6. SR 900 M
6. SR 900 L
7. Hose SR 951
8. Twin hose SR 952
9. Hood SR 561
10. Hood SR 562
11. Welding shield SR 590
12. Helmet with visor SR 580
13. Welding shield/Helmet with visor SR 584/SR 580
14. Flow meter SR 356
15. Steel net disc SR 336
16. Asbestos Kit SR 509
17. Battery SR 501, 2,2 Ah
17. Battery HD SR 502, 3,6 Ah
18. Battery charger SR 513
19. Charging station without chargers SR 506
19. Charging station, complete SR 516
20. Belt SR 508
20. Rubber belt SR 504
21. Leather belt SR 503
22. HD belt SR 553, standard
22. HD belt SR 553, large
23. Harness SR 552
24. Fan SR 500, bare
25. Splash cover SR 514
26. Storage bag SR 505 w two compartments
27. Pre-filter holder SR 512
28. Pre-filter SR 221
29. Particle filter P3 R, SR 510
30. Filter adapter SR 511
31. Pre-filter holder SR 5153 for SR 710
32. Particle filter P3 R, SR 710
33. Gas filter A2, SR 518
34. Gas filter ABE1, SR 515
35. Gas filter A1BE2K1, SR 597
36. Combined filter A1BE2K1-Hg-P3 R, SR 599
37. Hose SR 541 for SR 540
38. O-ring for breathing hose
39. Flat gasket for hose SR 541
40. Gasket for fan
41. Plug kit

Ordering No.

- H06-0212
- H06-0312
- H06-0412
- H06-0512
- H01-1212
- H01-1312
- T01-1216
- T01-1218
- H01-3012
- H01-3112
- H01-3212
- T01-3003
- R01-3009
- H06-5012
- H06-5112
- H06-4012
- H06-0812
- H06-8310
- R03-0346
- T01-2001
- T06-0105
- R06-0108
- T06-0101
- R06-0103
- T06-0108
- T06-0111
- R06-0101
- T06-0104
- T06-0103
- T06-0119
- T06-0120
- T06-0116
- R06-0110
- T06-0114
- T06-0102
- R06-0106
- H02-0312
- H02-1312
- R06-0105
- R01-0604
- H02-1512
- H02-7012
- H02-7112
- H02-7212
- H02-7312
- R06-0501
- R06-0202
- R06-0506
- R06-0107
- R06-0703

