

# Product leaflet

<b>Product</b> Powered air purifying respirator	<b>Model No.</b> SR 500	<b>Ordering No.</b> H06-0112
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## 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 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 • Can be used together with a hood, face shield, full face mask or helmet with visor.

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	EN12942:1998
<b>Air flow, min/max</b>	175/225 l/min	≥ 120 l/min	-
<b>STD-battery/HD-Battery</b>	14.8V, 2.2 Ah/3.6 Ah	-	-
<b>Operating times at 175/225 l/min:</b>			
<b>P3, STD-battery</b>	8 h/5 h	≥ 4 h	≥ 4 h
<b>P3, HD- battery</b>	13 h/8 h	≥ 4 h	≥ 4 h
<b>Weight with STD-battery and P3 filter</b>	≈ 1,490 g	≤ 3,500 g	≤ 3,500 g
<b>Service temperature</b>	-10 °C to +55 °C, < 90 % RH	-	-
<b>Storage temperature</b>	-20 °C to +40 °C, < 90 % RH	-	-
<b>Low flow warning level</b>	< 175 l/min	≤ 175 l/min	≤ 175 l/min
<b>Protection factors<sup>1</sup>: SR 520, SR 530, SR 540,</b>			
<b>SR 561/562, SR 580, SR 590</b>	40 (TH3)	-	-
<b>Protection factors<sup>1</sup> SR 200</b>	40 (TM3)	-	-
<b>Approvals</b>	EN 12941/12942:1998	-	-

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



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**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. Hood SR 561
- 7. Hood SR 562
- 8. Welding shield SR 590
- 9. Helmet with visor SR 580
- 10. Flow meter SR 356
- 11. Steel net disc SR 336
- 12. Asbestos Kit SR 509
- 13. Battery SR 501, 2,2 Ah
- 13. Battery HD SR 502, 3,6 Ah
- 14. Battery charger SR 513
- 15. Belt SR 508
- 15. Rubber belt
- 16. Leather belt
- 17. Fan SR 500, bare
- 18. Storage bag SR 505 w two compartments
- 19. Pre-filter holder SR 512
- 20. Pre-filter SR 221
- 21. Particle filter P3 R, SR 510
- 22. Filter adapter SR 511
- 23. Pre-filter holder SR 5153 for SR 710
- 24. Particle filter P3 R, SR 710
- 25. Gas filter A2, SR 518
- 26. Gas filter ABE1, SR 515
- 27. Gas filter A1BE2K1, SR 597
- 28. Combined filter A1BE2K1-Hg-P3 R, SR 599
- 29. Hose SR 541 for SR 540
- 30. O-ring for breathing hose
- 31. Flat gasket for hose SR 541
- 32. Gasket for fan

**Ordering No.**

- H06-0212
- H06-0312
- H06-0412
- H06-0512
- H01-1212
- H01-1312
- T01-1216
- T01-1218
- H06-5012
- H06-5112
- H06-4012
- H06-8012
- R03-0346
- T01-2001
- T06-0105
- R06-0102
- T06-0101
- R06-0103
- R06-0101
- T06-0104
- T06-0103
- R06-0110
- 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

