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 2.25 Ah) and HD (Heavy Duty 3.5 Ah) • The charging time for the Standard battery is around 2 hours and for the Heavy Duty battery, about 3 hours • Battery capacity indicator • Equipped with two filters/combined filters • Operating time of up to 11 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, SR 603, SR 604, face shield SR 570, welding shield/face shield SR 574/SR 570, half mask SR 900, full face mask SR 200, welding shield SR 592, helmet with visor SR 575, SR 580 or welding shield/helmet with visor SR 574/SR 575, 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	–	–
STD-battery/HD-Battery	14,4 V 2,25 Ah/3,5 Ah	–	–
Operating times at 175/240 l/min:			
P3, STD-battery	7 h/4 h	≥ 4 h	≥ 4 h
P3, HD- battery	11 h/6 h	≥ 4 h	≥ 4 h
Weight with STD-battery and P3 filter	≈ 1 650 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 Factor[1]: SR 520, SR 530, SR 561, SR 562, SR 570, SR 574, SR 575, SR 580, SR 584, SR 592, SR 601, SR 602, SR 603, SR 604	40 (TH3)	–	–
Assigned Protection Factor[1] SR 200, SR 900	40 (TM3)	–	–
Nominal Protection Factor[2] SR 520, SR 530, SR 561, SR 562, SR 570, SR 574, SR 575, SR 580, SR 584, SR 592, SR 601, SR 602, SR 603, SR 604	500 (TH3)	–	–
Nominal Protection Factor[2] SR 200, SR 900	2000 (TM3)		
Approvals	EN 12941:1998 + A2:2008 EN 12942:1998 + A2:2008	–	–

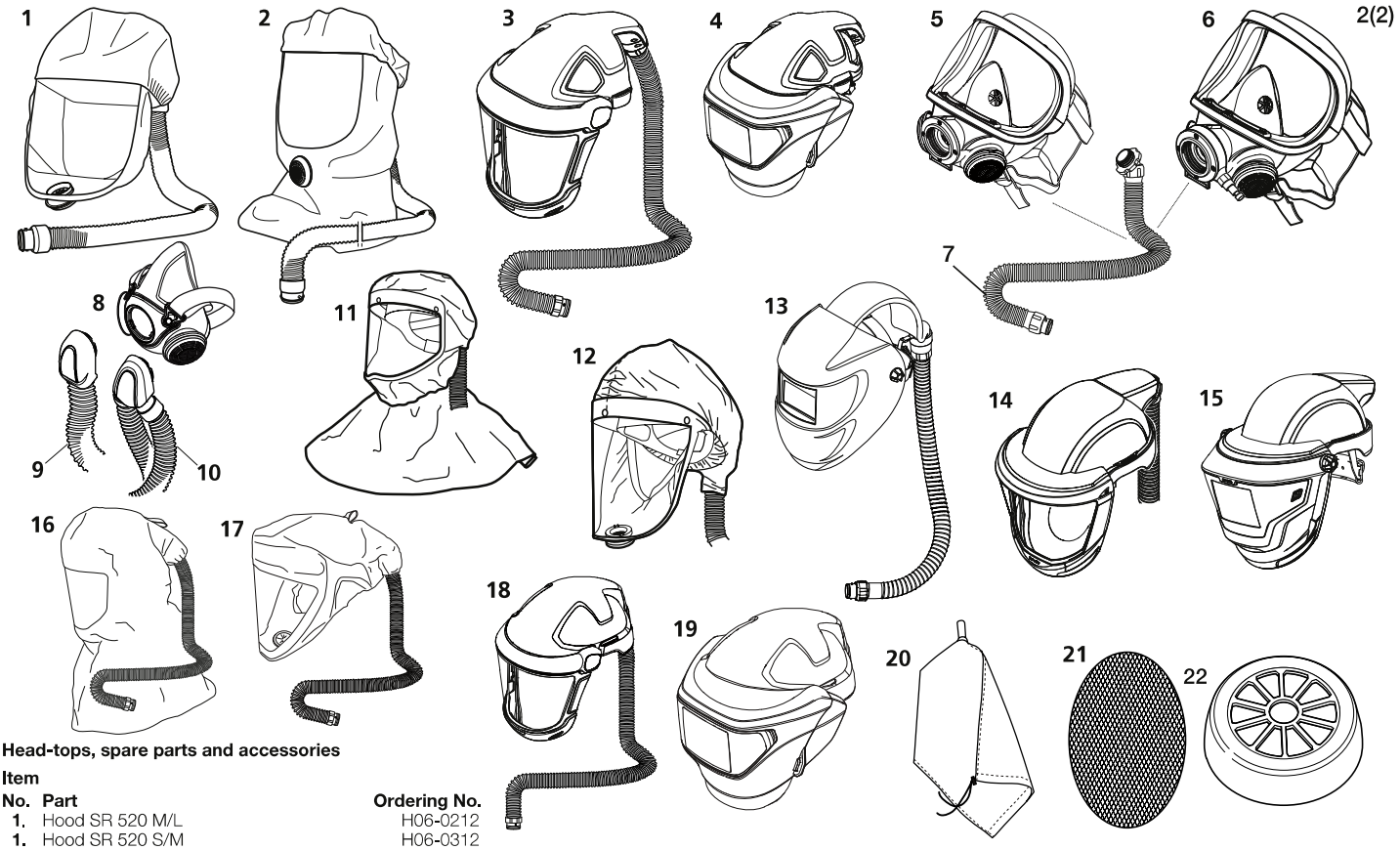
1) Specified in BS EN 529 and applies generally to all approved fan-assisted respiratory protective devices, regardless of the test results.
2) According to EN 529:2005.



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

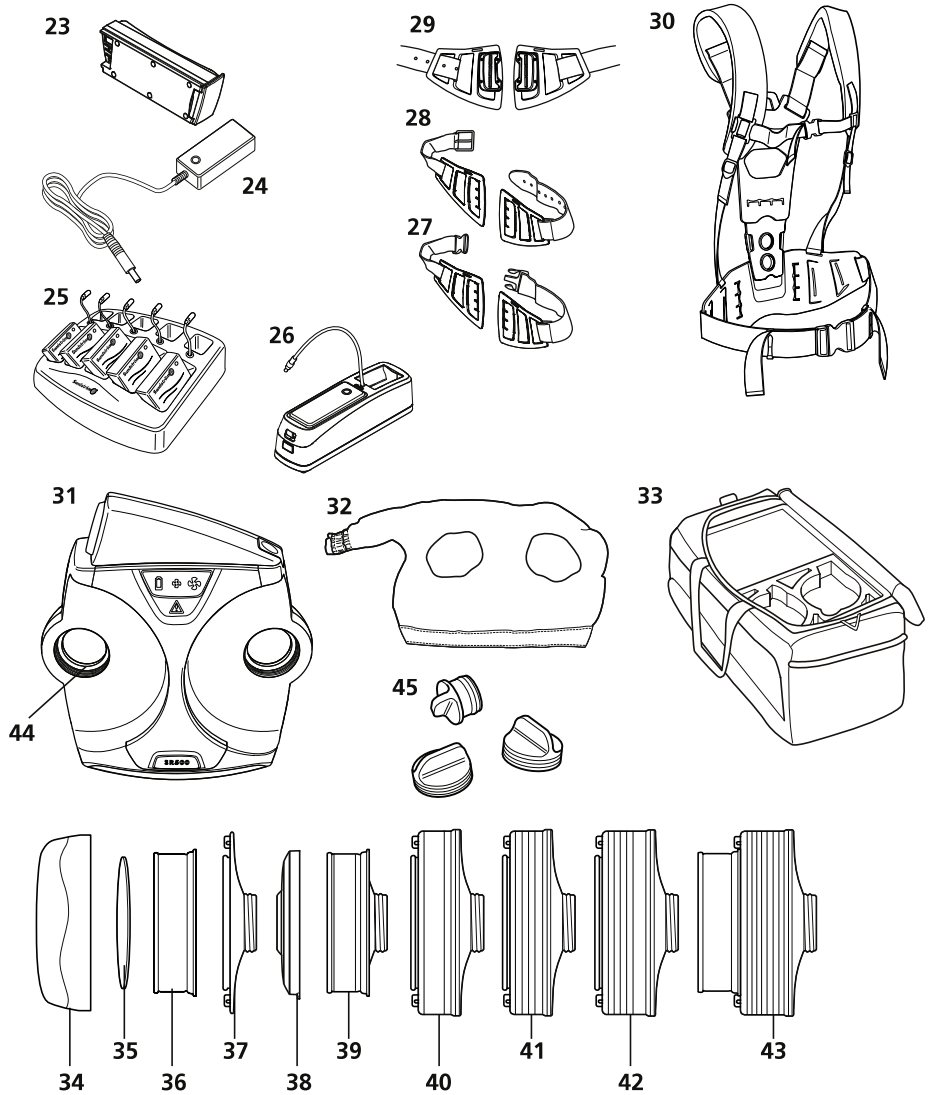
Sundström
www.srsafety.com

P06H-0118 Rev 23 20250610



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 570	H06-6512
4.	Welding shield/Face shield SR 574/SR 570	H06-6110
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 592	H06-4412
14.	Helmet with visor SR 580	H06-8012
15.	Welding shield/Helmet with visor SR 584/SR 580	H06-8310
16.	Hood SR 601	H06-5412
16.	Hood SR 602	H06-5512
16.	Hood SR 604	H06-5912
17.	Hood SR 603	H06-5812
18.	Helmet with visor SR 575	H06-9010
19.	Welding shield/ Helmet with visor SR 574/SR 575	H06-9310
20.	Flow meter SR 356	R03-0346
21.	Steel net disc SR 336	T01-2001
22.	Asbestos Kit SR 509	T06-0105
23.	Battery SR 501, 2,25 Ah	R06-0108
23.	Battery HD SR 502, 3,5 Ah	T06-0101
24.	Battery charger	R06-0433
24.	Battery charger (UK ONLY)	R06-0435
25.	Battery charger (AUS ONLY)	R06-0436
25.	Charging station without chargers SR 506	T06-0108
26.	Charging station without chargers SR 526	T06-0131
27.	Belt SR 508	R06-0101
27.	Rubber belt SR 504	T06-0104
27.	PVC belt	T06-0124
28.	Leather belt SR 503	T06-0103
28.	Leather belt SR 503, large	T06-0107
29.	HD belt SR 553, standard	T06-0119
29.	HD belt SR 553, large	T06-0120
30.	Harness SR 552	T06-0116
31.	Fan SR 500, bare	R06-0110
32.	Splash cover SR 514	T06-0114
33.	Storage bag SR 505 w two compartments	T06-0102
34.	Pre-filter holder SR 512	R06-0106
35.	Pre-filter SR 221	H02-0312
36.	Particle filter P3 R, SR 510	H02-1312
37.	Filter adapter SR 511	R06-0105
38.	Pre-filter holder for SR 710	R01-0605
39.	Particle filter P3 R, SR 710	H02-1512
40.	Gas filter A2, SR 518	H02-7012
41.	Gas filter ABE1, SR 515	H02-7112
42.	Gas filter A1BE2K1, SR 597	H02-7212
43.	Combined filter A1BE2K1-Hg-P3 R, SR 599	H02-7312
44.	Gasket for fan	R06-0107
45.	Plug kit	R06-0703



Sundström®
www.srsafety.com