

# 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, 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 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 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 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
<b>Air flow, min/max</b>	175/240 l/min	≥ 120 l/min	-
<b>STD-battery/HD-Battery</b>	14,4 V 2,25 Ah/3,5 Ah	-	-
<b>Operating times at 175/240 l/min:</b>			
<b>P3, STD-battery</b>	7 h/4 h	≥ 4 h	≥ 4 h
<b>P3, HD- battery</b>	12 h/6 h	≥ 4 h	≥ 4 h
<b>Weight with STD-battery and P3 filter</b>	≈ 1 650 g	≤ 3,500 g	≤ 3,500 g
<b>Service conditions</b>	-10 °C to +55 °C, < 90 % RH, 600 to 1200 hPa	-	-
<b>Storage conditions</b>	-20 °C to +40 °C, < 90 % RH	-	-
<b>Low flow warning level</b>	< 175 l/min	≤ 175 l/min	≤ 175 l/min
<b>Assigned Protection Factor<sup>1</sup>: SR 520, SR 530, SR 561, SR 562, SR 570, SR 574, SR 580, SR 584, SR 592, SR 601, SR 602</b>	40 (TH3)	-	-
<b>Assigned Protection Factor<sup>1</sup> SR 200, SR 900</b>	40 (TM3)	-	-
<b>Nominal Protection Factor<sup>2</sup> SR 520, SR 530, SR 561, SR 562, SR 570, SR 574, SR 580, SR 584, SR 592, SR 601, SR 602</b>	500 (TH3)	-	-
<b>Nominal Protection Factor<sup>2</sup> SR 200, SR 900</b>	2000 (TM3)	-	-
<b>Approvals</b>	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.

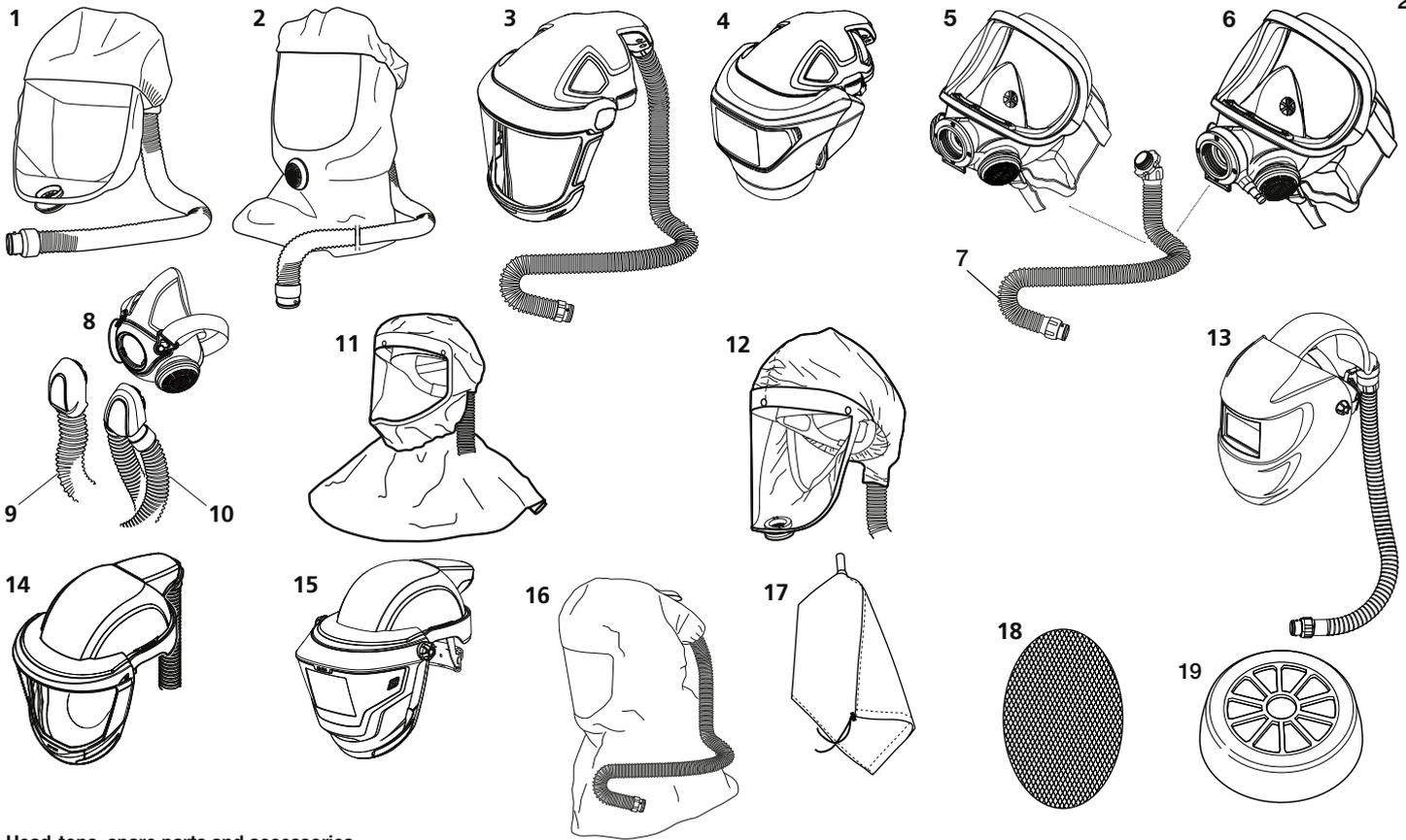
2) According to EN 529:2005.



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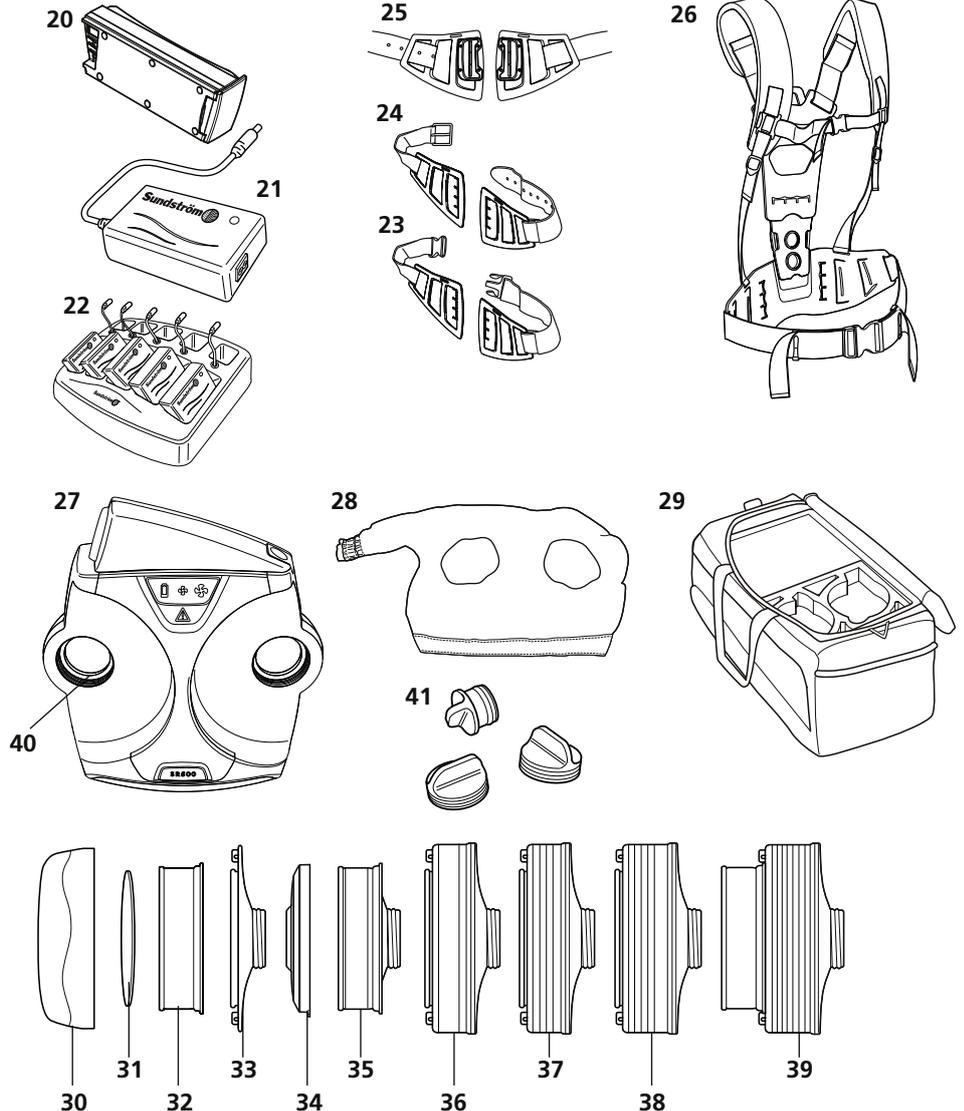
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**Head-tops, spare parts and accessories**

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
17.	Flow meter SR 356	R03-0346
18.	Steel net disc SR 336	T01-2001
19.	Asbestos Kit SR 509	T06-0105
20.	Battery SR 501, 2,25 Ah	R06-0108
20.	Battery HD SR 502, 3,5 Ah	T06-0101
21.	Battery charger SR 513	R06-0103
22.	Charging station without chargers SR 506	T06-0108
22.	Charging station, complete SR 516	T06-0111
23.	Belt SR 508	R06-0101
23.	Rubber belt SR 504	T06-0104
23.	PVC belt	T06-0124
24.	Leather belt SR 503	T06-0103
24.	Leather belt SR 503, large	T06-0107
25.	HD belt SR 553, standard	T06-0119
25.	HD belt SR 553, large	T06-0120
26.	Harness SR 552	T06-0116
27.	Fan SR 500, bare	R06-0110
28.	Splash cover SR 514	T06-0114
29.	Storage bag SR 505 w two compartments	T06-0102
30.	Pre-filter holder SR 512	R06-0106
31.	Pre-filter SR 221	H02-0312
32.	Particle filter P3 R, SR 510	H02-1312
33.	Filter adapter SR 511	R06-0105
34.	Pre-filter holder for SR 710	R01-0605
35.	Particle filter P3 R, SR 710	H02-1512
36.	Gas filter A2, SR 518	H02-7012
37.	Gas filter ABE1, SR 515	H02-7112
38.	Gas filter A1BE2K1, SR 597	H02-7212
39.	Combined filter A1BE2K1-Hg-P3 R, SR 599	H02-7312
40.	Gasket for fan	R06-0107
41.	Plug kit	R06-0703



# Product leaflet

**Product**  
Face shield

**Model No.**  
SR 570

**Ordering No.**  
H06-6512

## Product Description

The SR 570 face shield together with the battery-powered SR 500, SR 500 EX or SR 700 fan and approved filters are included in the Sundström fan-assisted respiratory protection device systems. The breathing hose of the face shield is to be connected to the fan, equipped with filters. The pressure generated in the face shield prevents particles and other pollutants from entering the face shield.

The SR 570 can also be used with the SR 507 compressed air equipment. This combination forms a breathing apparatus designed for continuous air flow, for connection to a compressed air supply.

The equipment can be used as an alternative to filter respirators in all situations for which filter respirators are recommended. This applies particularly to work that is hard, warm or of long duration.

### The characteristics of the SR 570 face shield are as follows:

Protects the breathing zone and the crown of the head • Hinged visor unit • Impact and scratch resistant PC visor • Adjustable head harness • Airflow deflector for optimal comfort • The supply air flow keeps the visor demisted • Replaceable breathing air hose • Standard fastener for hearing protection • Optional protective films • PC visor and visor frame protects from high speed particles 120 m/s at extremes of temperature, liquid splashes and molten metal • Equipped with an exhalation valve • Optional chemical resistant TAC visor

The face shield together with the SR 500 EX fan is approved for use in a potentially explosive atmosphere, with exclusion for protective film and its clips and hearing protectors as accessories.

- A. SR 570
- B. SR 507
- C. SR 500
- D. SR 500 EX
- E. SR 700
- F. Hearing protectors



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**Product**  
Face shield

**Model No.**  
SR 570

**Ordering No.**  
H06-6512

## Technical specification

	SR 570+SR 500/ SR 500 EX/SR 700	EN 12941:1998 + A2:2008	SR 570+SR 507	EN 14594:2005
<b>Working pressure</b>	-	-	5–7 bar	≤ 10 bar
<b>Air flow rate</b>	175/240 l/min (SR 500) 175/225 l/min (SR 500 EX/SR 700)	≥ 120 l/min	175–260 l/min	175-260 l/min
<b>Service temperature</b>	-10 – +55 °C, < 90 % RH	-	-10 – +55 °C, < 90 % RH	-
<b>Storage temperature</b>	-20 – +40 °C, < 90 % RH	-	-20 – +40 °C, < 90 % RH	-
<b>Low flow warning level</b>	< 175 l/min	≤ 175 l/min	< 175 l/min	≤ 175 l/min
<b>Weight with breathing hose</b>	≈ 860 g	≤ 1 500 g	≈ 860 g	≤ 1 500 g
<b>Impact test with 6 mm dia. steel ball against visor</b>	120 m/s	-	120 m/s	-
<b>Assigned Protection Factor<sup>1)</sup></b>	40 (TH3)	-	100 (3A,3B)	-
<b>Nominal Protection Factor<sup>2)</sup></b>	500 (TH3)	-	200 (3A,3B)	-

Approvals	Scheme	Standards	Classification/markung
	PPE Regulation (EU) 2016/425 UKCA <sup>4)</sup>	EN 12941:1998 + A2:2008 EN 14594:2005 EN 812:2012 with Bump cap EN 166:2001	TH3 3A, 3B
	ATEX 2014/34/EU UKEX <sup>5)</sup> IECEX	EN IEC 60079-0:2018, EN 60079-11:2012 IEC 60079-0:2017, IEC 60079-11:2011	 II 2 G Ex ib IIB T3 Gb <sup>3)</sup>  II 2 D Ex ib IIIC T195°C Db <sup>3)</sup> Ex ib IIB T3 Gb <sup>3)</sup> Ex ib IIIC T195°C Db <sup>3)</sup>

1) Specified in BS EN 529 and applies regardless of the test results.

2) According to EN 529:2005.

3) Together with fan SR 500 EX.

4) Regulation (EU) 2016/425 as brought into UK law and amended.

5) The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696).

### Key to EX marking

	ATEX Explosion protection mark.
<b>II</b>	ATEX Equipment group (explosive atmospheres other than mines with fire damp).
<b>2 G</b>	ATEX Equipment category (2 = High level of protection for Zone 1, G = Gas).
<b>2 D</b>	ATEX Equipment category (2 = High level of protection for Zone 21, D = Dust).
<b>Ex</b>	Explosion protected.
<b>ib</b>	Type of protection (Intrinsic safety).
<b>IIB</b>	Gas group (Ethylene).
<b>IIIC</b>	Dust material group (zone with conductive dust).
<b>T3</b>	Temperature class, gas (maximum surface temperature +200°C).
<b>T195°C</b>	Temperature class, dust (maximum surface temperature +195°C).
<b>Gb</b>	Equipment Protection Level, gas (high protection).
<b>Db</b>	Equipment Protection Level, dust (high protection).

### Approved hearing protectors according to EN 352-3 to SR 570:

Hellberg	Secure 1 Secure 2 Secure 3 Active React Relax Synergy MP Xstream Xstream LD
Zekler	401H 402H 403H 412DH 412DBH 412RH 412RDH 412RDBH Sonic 530H Sonic 540H Sonic 550H



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