

# Product leaflet

<b>Product</b>	<b>Model No.</b>	<b>Ordering No.</b>
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 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 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>	11 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, SR 604</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, SR 604</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.

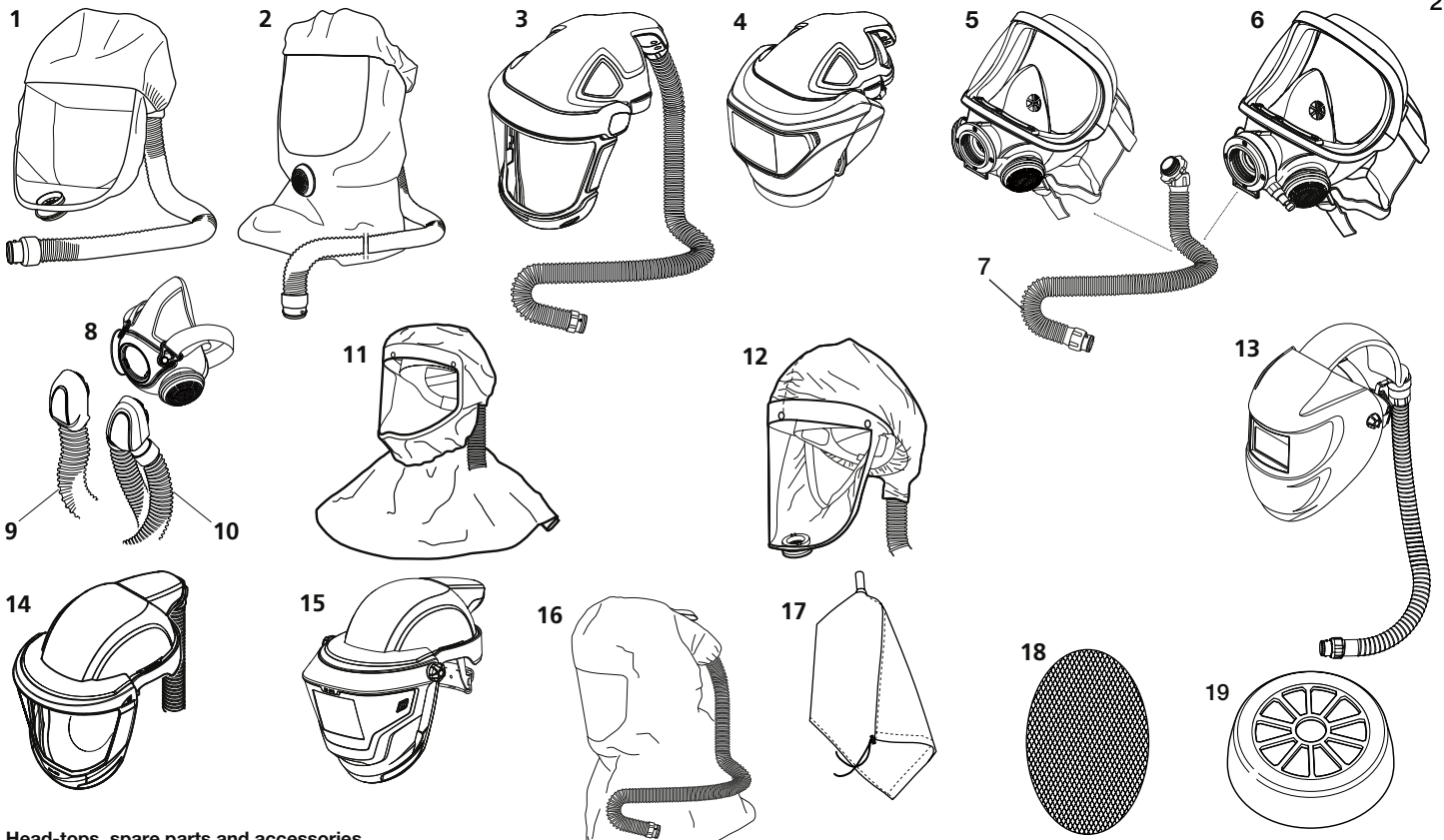


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Available from



**Sundström**



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

Item	No. Part	Ordering No.
	1.	Hood SR 520 M/L
	1.	Hood SR 520 S/M
	2.	Hood SR 530
	3.	Face shield SR 570
	4.	Welding shield/Face shield SR 574/SR 570
	5.	Full face mask SR 200, PC visor
	5.	Full face mask SR 200, glass visor
	6.	Full face mask SR 200 Airline, PC visor
	6.	Full face mask SR 200 Airline, glass visor
	7.	PU hose SR 550 for SR 200
	7.	Rubber hose SR 551 for SR 200
	8.	SR 900 S
	8.	SR 900 M
	8.	SR 900 L
	9.	Hose SR 951
	10.	Twin hose SR 952
	11.	Hood SR 561
	12.	Hood SR 562
	13.	Welding shield SR 592
	14.	Helmet with visor SR 580
	15.	Welding shield/Helmet with visor SR 584/SR 580
	16.	Hood SR 601
	16.	Hood SR 602
	16.	Hood SR 604
	17.	Flow meter SR 356
	18.	Steel net disc SR 336
	19.	Asbestos Kit SR 509
	20.	Battery SR 501, 2,25 Ah
	20.	Battery HD SR 502, 3,5 Ah
	21.	Battery charger
	21.	Battery charger (UK ONLY)
	21.	Battery charger (AUS ONLY)
	22.	Charging station without chargers SR 506
	22.	Charging station, complete SR 516
	23.	Belt SR 508
	23.	Rubber belt SR 504
	23.	PVC belt
	24.	Leather belt SR 503
	24.	Leather belt SR 503, large
	25.	HD belt SR 553, standard
	25.	HD belt SR 553, large
	26.	Harness SR 552
	27.	Fan SR 500, bare
	28.	Splash cover SR 514
	29.	Storage bag SR 505 w two compartments
	30.	Pre-filter holder SR 512
	31.	Pre-filter SR 221
	32.	Particle filter P3 R, SR 510
	33.	Filter adapter SR 511
	34.	Pre-filter holder for SR 710
	35.	Particle filter P3 R, SR 710
	36.	Gas filter A2, SR 518
	37.	Gas filter ABE1, SR 515
	38.	Gas filter A1BE2K1, SR 597
	39.	Combined filter A1BE2K1-Hg-P3 R, SR 599
	40.	Gasket for fan
	41.	Plug kit

