

# 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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## 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/markings
	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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