

# Product leaflet

**Product**  
Helmet with visor

**Model No.**  
SR 580

**Ordering No.**  
H06-8012

## Product Description

The SR 580 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 helmet with visor is to be connected to the fan, equipped with filters. The pressure generated in the visor prevents particles and other pollutants from entering the breathing zone.

The SR 580 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. See separate product leaflet SR 507.

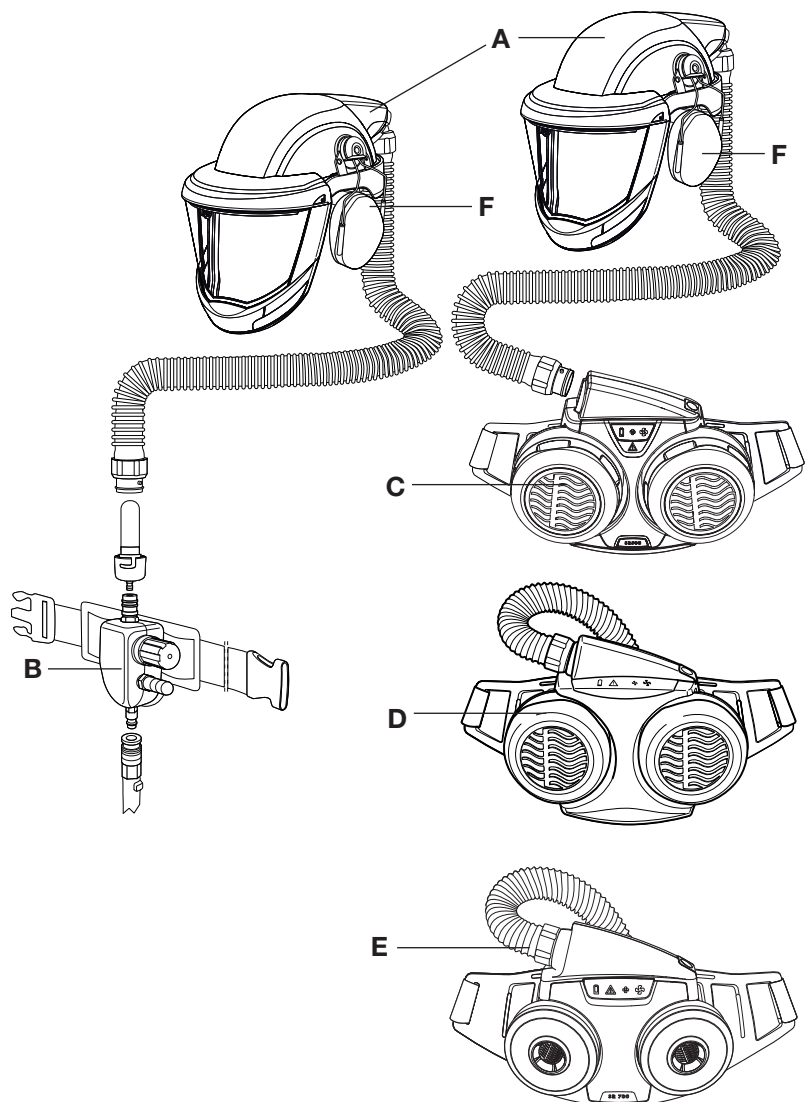
The equipment can be used as an alternative to filter respirators in all situations for which filter respirators are recommended. This applies particularly to work that is hard, warm or of long duration.

### The characteristics of the SR 580 helmet with visor are as follows:

Protects the breathing zone and the head • Hinged visor unit • PC visor and visor frame protects from high speed particles 120 m/s, liquid splashes and molten metal • The supply air flow keeps the visor demisted • Adjustable head harness • Replaceable breathing air hose • Equipped with an exhalation valve • Optional peel-offs • Available in one size. • Standard fastener for hearing protection

The helmet is approved according to EN 397, -30°C, lateral deformation LD, molten metal splash MM and electrical insulation 440 Vac.

- A. SR 580
- B. SR 507
- C. SR 500
- D. SR 500 EX
- E. SR 700
- F. Hearing protectors



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
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## Technical specification


	SR 580+SR 500/ SR 500 EX/SR 700	EN 12941:1998 + A2:2008	SR 580+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	-
<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>	≈ 875 g	≤ 1,500 g	≈ 875 g	≤ 1,500 g
<b>Assigned Protection Factor<sup>1</sup></b>	40 (TH3)	-	40 (3A,3B)	-
<b>Nominal Protection Factor<sup>2</sup></b>	500 (TH3)	-	200 (3A,3B)	-
<b>Approvals</b>	<b>Directive</b>	<b>Standards</b>	<b>Classification/markings</b>	
	PPE 89/686/EEG	EN 12941:1998 + A2:2008, EN 14594:2005, EN 166, EN 352-3, EN 397	TH3, 3A3B	
	ATEX 94/9/EG	EN 60079-0:2012, EN 60079-11:2007, EN 61241-11:2006, EN 13463-1:2009	 II 2 G Ex ib IIA T3 Gb <sup>3)</sup>  II 2 D Ex ib IIIC T195°C Db <sup>3)</sup>	
	IECEx Scheme	IEC 60079-0:2011, IEC 60079-11:2006, IEC 61241-11:2005	Ex ib IIA T3 Gb <sup>3)</sup> Ex ib IIIC T195°C Db <sup>3)</sup>	

1) Specified in BS 4275 and applies regardless of the test results.

2) According to EN 529:2005.

3) Together with fan SR 500 EX.

### Key to ATEX marking

	Explosion protection mark.
<b>II</b>	Equipment group (explosive atmospheres other than mines with fire damp).
<b>2 G</b>	Equipment category (2 = High level of protection for Zone 1, G = Gas).
<b>2 D</b>	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>IIA</b>	Gas group (Propane).
<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).

### Key to IECEx marking

<b>Ex</b>	Explosion protected.
<b>ib</b>	Type of protection (Intrinsic safety).
<b>IIA</b>	Gas group (Propane).
<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 to SR 580:

Bilsom	Thunder	TH1s TH2s
	Clarity	C3H
	Electo	HF
	Impact	HF
	Leightning	L1Hs
	L3Hs	
Peltor	Optime I	H510P3
	Optime II	H520P3
	Optime III	H540P3
	H31	H31p3
Hellberg		8K
		10K
		12K
		Type 2 Low
MSA Sordin		Type 2 Medium
		Type 2 High



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