Product leaflet

Product	Model No.	Ordering No.
Helmet with visor	SR 580	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 protective films • Available in one size. • Standardfastener for hearing protection

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

The helmet with visor together with the SR 500 EX fan is approved for use in a potentially explosive atmosphere, with exclusion for protective films and hearing protectors as accessories.

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



ISO 9001 KVALITETS-CERTIFIERAD BMG TRADA CERTIFIERING

Sundström Safety AB

Sundström

P06H-8018 Rev 10 20221031

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Helmet with visor	SR 580	H06-8012

Technical specification

	SR 580+SR 500/ SR 500 EX/SR 700	EN 12941:1998 + A2:2008	SR 580+SR 507	EN 14594:2005
Working pressure	-	-	5–7 bar	≤ 10 bar
Air flow rate	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
Service temperature	-10 – +55°C, < 90 % RH	-	-10 – +55°C, < 90 % RH	-
Storage temperature	-20 – +40°C, < 90 % RH	-	-20 – +40°C, < 90 % RH	-
Low flow warning level	< 175 l/min	≤ 175 l/min	< 175 l/min	≤ 175 l/min
Weight with breathing hose	≈ 1200 g	≤ 1,500 g	≈ 1200 g	≤ 1,500 g
Assigned Protection Factor[1]	40 (TH3)	-	40 (3A,3B)	-
Nominal Protection Factor[2]	500 (TH3)	-	200 (3A,3B)	-

Approvals	Directive	Standards	Classification/marking
	PPE Regulation (EU) 2016/425	EN 12941:1998 + A2:2008, EN 14594:2005, EN 166, EN 397	TH3, 3A3B
	ATEX 2014/34/EU	EN IEC 60079-0:2018, EN 60079-11:2012	Ex II 2 G Ex ib IIA T3 Gb [3] Ex II 2 D Ex ib IIIC T195°C Db [3]
	IECEx Scheme	IEC 60079-0:2017, IEC 60079-11:2011	Ex ib IIA T3 Gb [3] Ex ib IIIC T195°C Db [3]

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.

Key to EX marking

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

Approved hearing protectors according to EN 352-3 to SR 580:

Zekler 401H
402H
403H

ISO 9001 SWEDAC ACKREDITERING Ackred. nr. 1450 Certifiering av Ledningssystem ISO/IEC 17021
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