

Product leaflet

Product
Welding shield

Model No.
SR 590

Ordering No.
H06-4012

Product Description

A SR 590 welding shield is designed to provide protection in arc welding, MIG, MAG and TIG welding, and plasma cutting. The shield protects the eyes, head and neck of the welder against radiation from the arc, environmental radiation and welding spatter. When the front piece is raised, the shield can also be used as protection during grinding and slagging.

The SR 590 welding shield is included together with the battery-driven SR 500 or SR 700 fan and approved filters in a Sundström fan-assisted respiratory protective device. The welding shield is equipped with a suitable welding lens and is connected by a breathing hose to the battery-driven fan.

The filtered air blown into the shield pressurizes the shield and prevents contaminated surrounding air from reaching the user. The SR 590 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 protections in all situations in which the latter are recommended. This applies particularly to situations in which the work is intensive, hot or of long duration.

The 590 is characterized by the following:

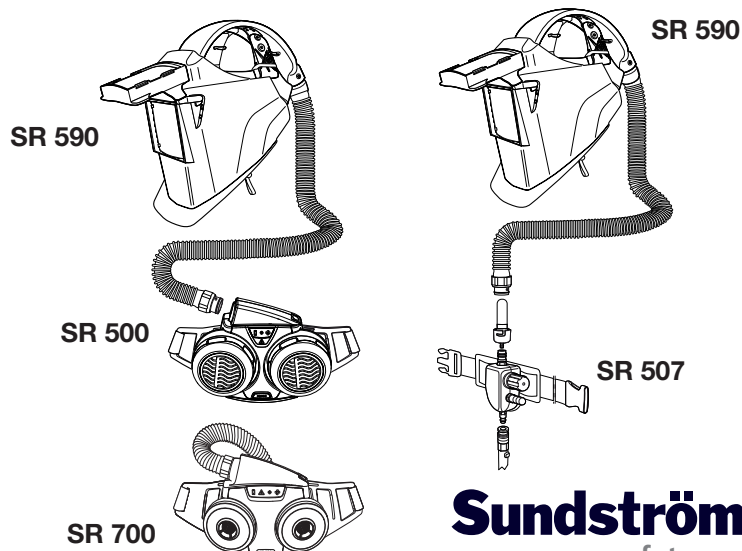
- Protects the eyes and respiratory organs
- The supply air keeps the visor demisted
- Adjustable head harness
- Adjustable face seal
- Replaceable, flexible breathing hose
- Mountings for yoke type head set
- Accessories in the form of automatic welding lenses, correction lenses, neck protection, welding hood and hose protection
- Supplied with welding lens with shade number 10.

Technical specification

	SR 590+SR 500/SR 700	EN 12941:1998 + A2:2008	SR 590+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 700)	≥ 120 l/min	175-260 l/min	-
Service temperature	-10 to +55 °C, < 90 % RH	-	-10 to +55 °C, < 90 % RH	-
Storage temperature	-20 to +40 °C, < 90 % RH	-	-20 to +40 °C, < 90 % RH	-
Low flow warning level	< 175 l/min	≤ 175 l/min	< 175 l/min	< 175 l/min
Weight with hose	≈ 800 g	≤ 1 500 g	≈ 800 g	≤ 1 500 g
Welding lenses	110x90 mm. EN 8 to EN 13	-	110x90 mm. EN 8 to EN 13	-
Automatic welding lenses	Solar cell powered. EN 3/10, EN 3/11 and EN 4/9 - 13	-	Solar cell powered. EN 3/10, EN 3/11 and EN 4/9 - 13	-
Correction lenses	108x51 mm, 1 – 2.5 dptr	-	108x51 mm, 1 – 2.5 dptr	-
Protective lens	PC, 110x90 mm	-	PC, 110x90 mm	-
Assigned Protection Factor¹	40 (TH3)	-	40 (3A,3B)	-
Nominal Protection Factor²	500 (TH3)	-	200 (3A,3B)	-
Approvals	EN 12941:1998 + A2:2008, EN 175:1998	-	En 14594:2005, 3A3B	-

1) Specified in BS 4275 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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