

Product leaflet

| Product | Model No. | Ordering No. |
|--|-------------|--------------|
| Half mask Air Purifying Respirator (APR) | SR 100 M/L | H01-2021 |
| | SR 100 S/M | H01-2121 |
| | SR 100 L/XL | H01-2821 |

Product Description

The SR 100 half mask is an Air Purifying Respirator (APR) made of silicone in three sizes, i.e. S/M, M/L and L/XL. The mask is equipped with two exhalation valves, which ensures very low exhalation resistance. The valve covers with partitions effectively protect the exhalation membrane against dust and paint mist. The material and pigment of the mask body are approved by FDA and BGA for foods, which minimizes the risk of contact allergies. The easily adjustable elastic head harness straps of the mask are designed as a V-shaped loop and have a large dished crown plate, which contributes towards a comfortable and safe fit. The mask is used either as an APR in combination with filters and/or cartridges from the Sundström range, or in combination with the SR 307 compressed air attachment, this combination is called a Type C Continuous Flow Supplied Air Respirator (SAR). A pre-filter holder for simple checking of the performance are supplied. Best stored in box SR 230 or storage case SR 339.

Technical specification

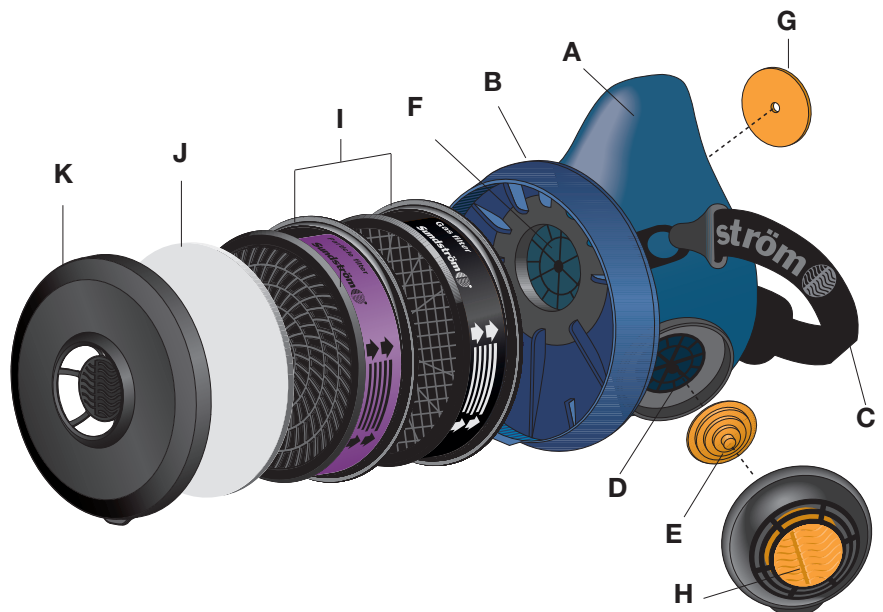
| | SR 100 | 42 CFR part 84 |
|---|---|----------------------|
| Assigned protection factor ¹⁾ | 10 | - |
| Inhalation resistance ²⁾ at 85 l/min | ≈ 15.5 MM H2O (152 Pa) | ≤ 35 MM H2O (343 Pa) |
| Inhalation resistance ³⁾ at 85 l/min | ≈ 28.7 MM H2O (281 Pa) | ≤ 40 MM H2O (393 Pa) |
| Exhalation resistance at 85 l/min | ≈ 3.0 MM H2O (29 Pa) | ≤ 25 MM H2O (245 Pa) |
| Service temperature | 14 to 131 °F (-10 to +55 °C), < 90 % RH | - |
| Storage temperature | 4 to 104 °F (-20 to +40 °C), < 90 % RH | - |
| Weight | ≈ 6.2 oz (176 g), 5.7 oz (162 g) | - |
| Approval | NIOSH 42 CFR part 84 | |

1) Specified by OSHA and applies generally to all Half mask Air Purifying Respirators (APR) when the employer implements a continuing, effective respirator program as required by this section (29 CFR 1910.134).

2) With Particulate filter SR 510 P100.

3) With Chemical Cartridge SR 229.

- A. Mask body
- B. Filter attachment
- C. Head harness
- D. Exhalation valve seat
- E. Exhalation membrane
- F. Inhalation valve seat
- G. Inhalation membrane
- H. Protective cap
- I. Particulate filter and Chemical Cartridge (not included)
- J. Pre-filter
- K. Pre-filter holder



Sundstrom Safety Inc.

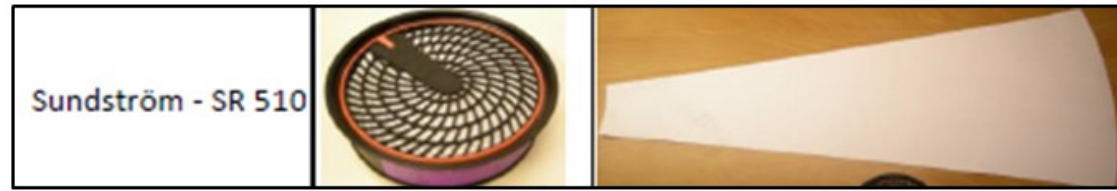
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Sundström 
www.srsafety.com

HEPA Filter – 201 square inches of material



Technical specification

| | SR 510 | 42 CFR part 84 |
|--|---|-----------------------------------|
| Pressure drop at 85 ^l /min. | ≈ 14.4 MM H ₂ O (141 Pa) | ≤ 35 MM H ₂ O (343 Pa) |
| Diameter/height | 4.2/1.2 inch (107/31 mm) | - |
| Weight | ≈ 1.6 oz (44 g) | - |
| Service temperature | 14 to 131 °F (-10 to +55 °C), < 90 % RH | - |
| Storage temperature | 4 to 104 °F (-20 to +40 °C), < 90 % RH | - |
| Filtration efficiency, DOP | > 99.997 % | ≥ 99.97 % |
| Approvals | NIOSH 42 CFR part 84 | |