

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

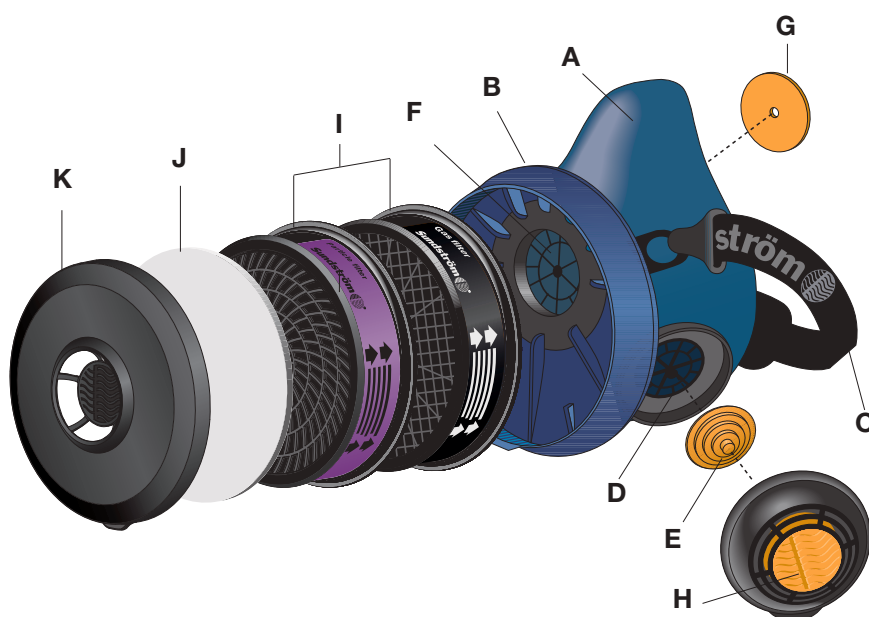
	SR 100	42 CFR part 84
Assigned protection factor ¹⁾	10	-
Inhalation resistance ²⁾ at 85 l/min	≈ 15.5 MM H ₂ O (152 Pa)	≤ 35 MM H ₂ O (343 Pa)
Inhalation resistance ³⁾ at 85 l/min	≈ 28.7 MM H ₂ O (281 Pa)	≤ 40 MM H ₂ O (393 Pa)
Exhalation resistance at 85 l/min	≈ 3.0 MM H ₂ O (29 Pa)	≤ 25 MM H ₂ O (245 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



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Sundström 
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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	