

DATA SHEET

Sundström SR77 escape hood for smoke and chemicals



Updated: 02 Jan 2005

<p>Description:</p>	<p>Emergency smoke/chemical escape hood incorporated with a half face respirator. The respirator is normally fitted with a special gas/particle filter, providing short-term protection against smoke, carbon monoxide, acrolein, hydrogen chloride, hydrogen cyanide and other toxic gases and particles that may be present in a fire (such as hazardous fumes released from burning plastic materials).</p> <p>The hood material is heat and chemical resistant.</p>
<p>Usage:</p>	<p>The SR77 is a filter respirator combined with a protective hood with a visor. It is used for rapid (15 minutes) self-rescue. Used against particles, dust, smoke, fume, bacteria, viruses, biological warfare agents, and a wide range of organic, inorganic and acid gases and ammonia.</p> <p>Examples FOR ESCAPE ONLY: Sarin, nerve gas, mustard gas, cyanogen, phosgene, radioactive dust, toxic particles, aerosols, tear gas, bacteria, viruses, anthrax, smallpox etc. — Also provides protection against industrial gases such as ammonia, hydrogen cyanide, acid gases, chlorine, sulfur dioxide, hydrogen chloride and many more.</p> <p>The device can be put on quickly and simply in a single action, without any adjustment.</p>
<p>Product names:</p>	<p>SR77S (for stationary storage) SR77M (portable)</p>
<p>Face piece:</p>	<p>Sundström SR 90 silicone half mask respirator. Available in Small/Medium and Medium/Large sizes, one of which should fit most people, male or female</p>
<p>Hood:</p>	<p>Coated Nomex heat and chemical resistant material</p>
<p>Visor:</p>	<p>Scratch-resistant, anti-mist, polycarbonate</p>
<p>Fitting:</p>	<p>No adjustment necessary. The respirator is simply pulled down over the head, and there is no strap adjustment. Due to the special design, the hood/mask combination will provide temporary adequate protection even for bearded men during evacuation.</p>
<p>Temperature:</p>	<p>-30°C to +70°C (-22F to +158F)</p>
<p>Filter:</p>	<p>Sundström 210/310 P3 particle filter. Special gas filter (organic vapour, inorganic gas, acid gas, ammonia + carbon monoxide). Mask can be fitted with any other Sundström filter.</p>
<p>Weight:</p>	<p>590 g (21 oz)</p>
<p>Size of pack:</p>	<p>120 x 120 x 170 mm (4.7" x 4.7" x 6.7")</p>
<p>Storage:</p>	<p>Rugged PA outer bag Airtight sealed inner bag S model for stationary storage only. M model can be worn on a belt or hung on a wall.</p>

Shelf life:

Hood: 15 years if inner bag is unbroken.
 Filter: 7.5 years if inner bag is unbroken. Respirator should be returned after 7.5 years for filter replacement and re-sealing of bag. It can then be kept for another 7.5 years.

Gas/particle resistance times:

Contaminant	SR77 (minutes)	EN403:1993 minimum requirement (minutes)
Carbon Monoxide 0.25%	>35	15
Carbon monoxide 0.50%	>35	15
Carbon monoxide 0.75%	>30	15
Carbon monoxide 1.00%	>30	15
Acrolein (C ₃ H ₄ O) (100ppm)	>30	15
Hydrogen chloride (HCl) (1000ppm)	>90	15
Hydrogen cyanide (HCN) (400ppm)	>45	15
Cyclohexane (1000 ppm)	>50	n/a
Chlorine (1000 ppm)	>45	n/a
Sulphur dioxide (1000 ppm)	>80	n/a
Ammonia (1000 ppm)	>45	n/a
Ammonia (5000 ppm)	>20	n/a
Particles:		
GB (1000 mg/m ³ at 85 l/min constant flow)	>30	n/a
Filtration efficiency for NaCl (50-200 mg/m ³ at 85 l/min constant flow)	99.997%	94%

Source: "SR77 Smoke Escape Hood" product leaflet, Sundström Safety, L11-051818; "Product Leaflet", Sundström Safety, P05H-1618 Utg 03 0210 COI