

## DATA SHEET

### Sundström SR77-2 escape hood for smoke and chemicals



Updated: 11 April 2005

<b>Description:</b>	The SR 77-2 Escape Hood is a filtering respiratory protective device combined with a hood for self rescue in the event of a fire or a chemical emission accident.
<b>Usage:</b>	The hood is equipped with gas filter SR 331-2, ABEK1-CO and particulate filter SR 510, P3, and provides short-term protection against carbon monoxide and other toxic gases and particles that may be emitted in a fire or in a chemical emission accident.
<b>Product names:</b>	SR77-2 S (for stationary storage) SR77-2 M (portable escape hood)
<b>Face piece:</b>	The hood is available in two sizes and fits most adults and teenagers.
<b>Hood:</b>	The hood is made of flame-resistant material.
<b>Visor:</b>	Scratch-resistant, anti-mist, polycarbonate
<b>Fitting:</b>	The hood can be put on quickly and simply without prior adjustment.
<b>Temperature:</b>	-30°C to +70°C (-22F to +158F)
<b>Filter:</b>	The hood is equipped with gas filter SR 331-2, ABEK1-CO and particulate filter SR 510, P3:  A1 organic gases and vapours, such as solvents, with boiling points above 65oC. B1 inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide. E1 acidic gases and vapours such as sulphur dioxide and hydrogen fluoride. K1 ammonia and certain amines, such as ethylene diamine.
<b>Weight:</b>	590 g (21 oz)
<b>Size of pack:</b>	120 x 120 x 170 mm (4.7" x 4.7" x 6.7")
<b>Storage:</b>	The hoods are vacuum-packed in aluminium bags. The SR 77-2 M is delivered in a contingency bag made of nylon and designed for mounting on a belt.
<b>Shelf life:</b>	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:**

<b>Contaminant</b>	<b>SR77 (minutes)</b>	<b>EN403:1993 minimum requirement (minutes)</b>
Carbon Monoxide CO, 0.25%	30	15
Carbon monoxide CO, 0.50%	30	15
Carbon monoxide CO, 0.75%	30	15
Carbon monoxide CO, 1.00%	30	15
Acrolein (C <sub>3</sub> H <sub>4</sub> O) (100ppm)	>100	15
Hydrogen chloride (HCl) (1000ppm)	>36	15
Hydrogen cyanide (HCN) (400ppm)	>25	15
A1, Cyclohexane C <sub>6</sub> H <sub>12</sub> (1000 ppm)	110	70
B1, Chlorine Cl <sub>2</sub> (1000 ppm)	130	20
B1, Hydrogen cyanide (HCN) (1000ppm)	>40	25
B1, Hydrogen sulphide H <sub>2</sub> S (1000ppm)	>210	40
E1, Sulphur dioxide SO <sub>2</sub> (1000 ppm)	130	20
K1, Ammonia NH <sub>3</sub> (1000 ppm)	130	50
<b>Particles:</b>		
Filtration efficiency, Paraffin oil	>99.997%	99.99%
Filtration efficiency, Sodium Chloride NaCl	>99.997%	99.95%

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