

## Escape Hood SR 77-2 Smoke/Chem

The new Sundström Escape Hood is designed for evacuation in the event of fire and accidents involving chemicals



- The hood is made of flame- and chemicals-resistant material
- The filter combination provides protection against all types of gases/particles
- High-efficiency particulate filter (P3)
- Has a long shelf life of 7.5 years
- A nylon contingency bag is designed for securing to the belt
- Simple to put on and adjust
- Two sizes - S/M and M/L
- A service programme is available
- Inner mask of silicone for maximum secure fit and comfort

# SR 77-2 Smoke/Chem

For evacuation in the event of fire and accidents involving chemicals

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. The hood is based on a Sundström silicone half mask, which is mounted in a hood made of flame-resistant material. The hood can be put on quickly and simply without prior adjustment. The hood is available in two sizes and fits most adults and teenagers.

The **SR 77-2 S** is approved only for stationary storage. The **SR 77-2 M** is approved also as portable escape hood. 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.

The hood is equipped with gas filter **SR 331-2 ABEK1-CO** and particulate filter **SR 510 P3**, and provides short-time protection against carbon monoxide and other toxic gases and particles that may be emitted in a fire or in a chemical emission accident.

The improved gas filter now also provides protection against the following types of gases:

**A1**, organic gases and vapours, such as solvents, with boiling points above 65 °C.

**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.

The **SR 510 P3** provides protection against all types of particles (dust, fume, fog, spray, asbestos), even bacterium, viruses and radioactive pollution. The filter separates 99,997% of the pollution in the air. That means that the air is 33 000 times cleaner on the backside of the filtermedia than in the front (the standard requires 2 000 times cleaner air).

The SR 77-2 Smoke/Chem is approved as per EN 403:2004 class M and S and EN 14387:2004.

## Warning!

The escape hood should be used only for escape purposes and not as a working hood.



# Escape Hood SR 76-2 Chem

For evacuation in the event of accidents involving chemicals

The **SR 76-2 Escape Hood** is a filtering respiratory protective device combined with a hood and is designed for use in accidents involving chemicals. The hood is based on a Sundström silicone half mask, which is mounted in a hood made of chemicals-resistant material. The hood can be put on quickly and simply, without prior adjustment. The hood is available in two sizes and fits most adults and teenagers. The hood is equipped with combined filter **SR 299-2 ABEK1-Hg-P3** and provides protection against all types of particles and following gas types:

**A1**, organic gases and vapours, such as solvents, with boiling points above 65 °C.

**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.

**Hg**, mercury vapour.



The **SR 510 P3** provides protection against all types of particles (dust, fume, fog, spray, asbestos), even bacterium, viruses and radioactive pollution.

The **SR 76-2 S** is approved only for stationary storage.

The **SR 76-2 M** is approved also as portable escape hood.

The hoods are vacuum-packed in aluminium bags.

The **SR 76-2 M** is delivered in a contingency bag made of nylon and designed for mounting on a belt.

The SR 76-2 Chem is approved as per EN 403:2004 class M and S and EN 141:1990.



The hoods are vacuum-packed in aluminium bags. The SR 76-2 M and the SR 77-2 M are delivered in a contingency bag made of nylon and designed for mounting on a belt.

## Service programme

Provided that the hood is always serviced within the maintenance period (7.5 years) and that the aluminium packaging is unbroken, there is no limit to the useful life of the hood. On every service occasion, Sundström will examine and service the hood and change the components that need changing in order to ensure that the hood will be in good condition for a further shelf life of 7.5 years. The service concept can be described in somewhat simplified terms as a form of insurance that provides the user with "escape protection" as long as he/she decides to participate in the systems.

**Technical specification  
SR 77-2 Smoke/Chem**

|  | <b>SR 77-2</b> | <b>EN 403:2004</b> | <b>EN 14387:2004</b> |
|--|----------------|--------------------|----------------------|
| Nominal protection factor  | >50            | 50                 | -                    |
| Weight   | 590 g          | 1 000 g            | -                    |
| Package dimension  | 120x120x170 mm | -                  | -                    |
| Filter change  | 7,5 years      | -                  | -                    |
| Filtration efficiency, Sodium Chloride NaCl                        | >99.997 %      | 94 %               | 99,95 %              |
| Filtration efficiency, Paraffin oil                                | >99.997 %      | -                  | 99.95 %              |
| <b>Resistance time</b>   |                |                    |                      |
| Carbon Monoxide CO, 0,25 %   | 30 min         | 15 min             | -                    |
| Carbon Monoxide CO, 0,50 %   | 30 min         | 15 min             | -                    |
| Carbon Monoxide CO, 0,75 %   | 30 min         | 15 min             | -                    |
| Carbon Monoxide CO, 1,0 %  | 30 min         | 15 min             | -                    |
| Akrolein C <sub>3</sub> H <sub>4</sub> O, 100 ppm                  | >100 min*      | 15 min             | -                    |
| Hydrogen Chloride HCl, 1 000 ppm                                   | >36 min *      | 15 min             | -                    |
| Hydrogen Cyanide HCN, 400 ppm                                      | >25 min *      | 15 min             | -                    |
| <b>A1</b> , Cyclohexane C <sub>6</sub> H <sub>12</sub> , 1 000 ppm | 110 min        | -                  | 70 min               |
| <b>B1</b> , Chlorine Cl <sub>2</sub> , 1 000 ppm                   | 130 min        | -                  | 20 min               |
| <b>B1</b> , Hydrogen Cyanide HCN, 1 000 ppm                        | >40 min*       | -                  | 25 min               |
| <b>B1</b> , Hydrogen Sulphide H <sub>2</sub> S, 1 000 ppm          | > 210 min*     | -                  | 40 min               |
| <b>E1</b> , Sulphur Dioxide SO <sub>2</sub> , 1 000 ppm            | 130 min        | -                  | 20 min               |
| <b>K1</b> , Ammonia NH <sub>3</sub> , 1 000 ppm                    | 130 min        | -                  | 50 min               |

**Technical specification  
SR 76-2 Chem**

|  | <b>SR 76-2</b> | <b>EN 403:2004,<br/>EN 141:1990</b> |
|--|----------------|-------------------------------------|
| Nominal protection factor  | >50            | 50                                  |
| Weight   | 490 g          | 1 000 g                             |
| Package dimension  | 120x120x170 mm | -                                   |
| Filter change  | 7,5 years      | -                                   |
| Filtration efficiency, Paraffin oil                                | >99.997 %      | 99.99 %                             |
| Filtration efficiency, Sodium Chloride NaCl                        | >99.997 %      | 99.95 %                             |
| <b>Resistance time</b>   |                |                                     |
| <b>A1</b> , Cyclohexane C <sub>6</sub> H <sub>12</sub> , 1 000 ppm | 95 min         | 70 min                              |
| <b>B1</b> , Chlorine Cl <sub>2</sub> , 1 000 ppm                   | 120 min        | 20 min                              |
| <b>B1</b> , Hydrogen Cyanide HCN, 1 000 ppm                        | 50 min         | 25 min                              |
| <b>B1</b> , Hydrogen Sulphide H <sub>2</sub> S, 1 000 ppm          | >120 min*      | 40 min                              |
| <b>E1</b> , Sulphur Dioxide SO <sub>2</sub> , 1 000 ppm            | 45 min         | 20 min                              |
| <b>K1</b> , Ammonia NH <sub>3</sub> , 1 000 ppm                    | 105 min        | 50 min                              |
| <b>Hg</b> , Mercury vapour Hg, 13 mg/m <sup>3</sup>                | >200 h*        | 100 h                               |

\*Test interrupted. No breakthrough could be monitored.

This product is manufactured within a quality management System (ISO 9001) which is accepted by INSPEC Certification Services Ltd.

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The SEA Group  
Safety Equipment America Inc  
265 Meadowlands Blvd.  
Washington, PA 15301  
Tel: 1-888-732-3500  
sea.america@theseagroup.com