

# WORLD CLASS RESPIRATORY PROTECTION EQUIPMENT MADE IN SWEDEN SINCE 1926

Sundström Safety protects people from contaminated air and is not content to simply meet official requirements. Our aim is to always design and manufacture the best and most comfortable respiratory protection equipment on the market.

Over the years we have invested major resources in the development of user-friendly and individually adapted respiratory protection equipment of the highest quality.

Today we can present a compatible and modular product range that is flexible and adaptable according to both personal comfort and the needs and requirements of the workplace.

# SUNDSTRÖMS FLEXIBLE SYSTEM MAKES WORK MORE COMFORTABLE, SAFER AND MORE EFFICIENT

The base for Sundström Safety's System is always the actual respiratory protection over nose and mouth. The protection must weigh as little as possible and have a large sealing surface against the face so that it sits comfortably. It must be possible to talk, laugh, turn your head and move freely.

The complete respiratory protection is selected taking into account the individual, exertion, work environment, protection requirement and need. Many products in our systems are compatible with each other, and accessories can be changed and supplemented over time. You are always guaranteed the highest TH3 class, optimum comfort and maximum longevity.

# SELECTING BREATHING PROTECTION ON THE BASIS OF LEVEL OF WORK DURATION AND WORKLOAD

For short term jobs with low workload, a negative pressure mask can be used, i.e. half and full face masks with replaceable filters. To avoid harmful leakage into the mask, the fit to the face is important, as inhaling produces a negative pressure in the mask. High inhalation resistance due to large filter combinations contributes to further negative pressure as well as an increased breathing effort.

Long term work with high workloads often requires powered-assisted filter protection. A battery driven fan sucks the air through the filter and blows it into the face piece, which may be a loose-fitting visor, helmet or hood, or a tight fitting half or full face mask. The air flow of the equipment is important to maintain a positive pressure in the face piece, even during deep inhalation, especially with the use of loose fitting visors, helmets or hoods.

High workloads and contaminants with poor warning properties are examples of situations in which compressed air line equipment is appropiate. The compressed air is supplied from a compressor via an air line filter unit and hose to a belt-mounted regulating valve, to the half or full face mask or helmet, visor or hood.

Sundström Safety offers qualified training by our specialists in fitting, function checks, donning, storage and maintenance – in order to ensure a high level of protection for many years.

## FIND YOUR SUNDSTRÖM SYSTEM

















Filter

Half mask

Full mask

Fan unit

Compressed air

Helmet

Shield

Hood

Half masks and full face mask can be worn stand-alone, or connected to either fan units or compressed airline. Similarly, our helmets, shields & hoods can be worn with fan units and airline solutions. Our philosophy is to simplify for the user to find suitable protection. As a guide, we have symbols that shows the possible respiratory solutions.



HALF MASK IN THREE SIZES

SR 100 S/M ART NO H01-2112 SR 100 M/L ART NO H01-2012 SR 100 L/XL ART NO H01-2812





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 a filtering device in combination with filters from the Sundström range, or in combination with the SR 307 compressed air attachment which then serves as a breathing apparatus with continuous flow for connection to a compressed air supply. A pre-filter holder is supplied. Best stored in box SR 230 or storage bag SR 339.



### HALF MASK IN THREE SIZES

SR 900 Small SR 900 Medium SR 900 Large ART NO H01-3012 ART NO H01-3112

ART NO H01-3212







The SR 900 half mask is made of thermoplastic elastomer (TPE) and polypropylene (PP) in three sizes, S, M and L. 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 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 half mask SR 900 is used in combination with:

- Filters from the Sundström range
- Remote filter holder SR 905 according EN 12083
- The SR 307 or SR 507 compressed air attachmnet which then serves as a breathing apparatus with continuous flow for connection to a compressed air supply according EN 14594
- The fan unit SR 500 or SR 700 and approved filters included in the Sundström fan-assisted respiratory protective device system conforming to EN 12942
- A pre-filter holder is supplied
- Best stored in box SR 230 or storage bag SR 339

# **READY-TO-GO-KITS**

A complete respiratory protection kit with a convenient and individual storage box.



# **BASIC KIT 217**

ART NO **H05-9609** 

### **CONTENTS**

- 1 Half mask SR 900
- 1 Particle filter SR 510 P3 R
- 1 Gas filter SR 217 A1
- 5 Pre filter SR 221
- 1 Pre filter holder
- 1 Cleaning wipe
- 1 Instructions with maintenance information



# **BASIC KIT 297**

ART NO H05-9709

### CONTENTS

- 1 Half mask SR 900
- 1 Particle filter SR 510 P3 R
- 1 Gas filter SR 297 ABEK1
- 5 Pre filter SR 221
- 1 Pre filter holder
- 1 Cleaning wipe
- 1 Instructions with maintenance information



# **PRO KIT**

M/L ART NO H05-5309D S/M ART NO H05-5309DS

### CONTENTS

- 1 SR 100 Half mask
- 1 Particle filter SR 510 P3 R
- 1 Gas filter SR 315 ABE1
- 5 Pre filter SR 221
- 1 Pre filter holder
- 1 Cleaning wipe
- 1 Instructions with maintenance information



# **ASBESTOS** KIT

L//XL ART NO H10-0040 M/L ART NO H10-0012 S/M ART NO H10-0013

### CONTENTS

- 1 SR 100 Half mask
- 1 Particle filter SR 510 P3 R
- 5 Pre filter SR 221
- 1 Pre filter holder
- 1 Cleaning wipe
- 1 Instructions with maintenance information



# SILICA DUST RESPIRATOR KIT

L//XL ART NO H10-0039 M/L ART NO H10-0038 S/M ART NO H10-0037

### CONTENTS

- 1 SR 100 Half mask
- 1 Particle filter SR 510 P3 R
- 5 Pre filter SR 221
- 1 Pre filter holder
- 1 Cleaning wipe
- 1 Instructions with maintenance information

# SR 5226 CLEANING WIPES

50p ART NO H09-0401 250p ART NO H09-0403 1000p ART NO H09-0402





SR 200 Full face mask PC ART NO H01-1212 SR 200 Full face mask glass ART NO H01-1312







The SR 200 full face mask is made of silicone and is produced in one size that will fit most face sizes. The mask is equipped with three inhalation valves and two exhalation valves, and the breathing resistance is therefore very low. The exhalation valve covers with baffles effectively protect the valves and membranes against dust and paint mist. The design and location of the exhalation valves improve the scope available for communicating. The material and pigments of the mask body are FDA- and BGA approved for exposure to provisions, which minimizes the risk of contact allergies.

The easily adjustable elastic head harness of the mask is secured to the visor frame and to the exhalation valves which, together with a large crown plate, contributes towards a comfortable and secure fit. Spherical visor with a very wide field of vision. The mask can be used either as a filtering device in combination with filters from the Sundström range of filters, or as breathing apparatus with a continuous air flow together with the SR 307 compressed air attachment.

The SR 200 can also be used as head top together with the Sundström fan unit SR 500 or SR 700. Holder for pre-filter is included. The SR 200 full face masks together with the SR 500 EX fan are approved for use in a potentially explosive atmosphere (ATEX Directive 94/9/EC and IECEX Scheme). Best stored in box SR 344 alternatively storage bag SR 339-1 or SR 339-2.



# REMOTE FILTER HOLDER INCL. BELT ATTACHMENT

ART NO **T01-3002** 





The SR 905 is a remote filter holder that, together with half mask SR 900 and breathing hose SR 951 or SR 952, is included in the Sundström respiratory protective device systems conforming to EN 12083. The remote filter holder is to be equipped with filter(s). The air is inhaled through the filter and breathing hose to the half mask.

The SR 905 is intended to be used in the same environments as a Sundström half mask SR 900. This gives you greater freedom of movement, less weight, and the half mask will be smaller to its size, which makes it possible to use under visors. Filters to the SR 905 is the same approved filters from Sundström filter range that is used together with half mask SR 900. The belt attachment mounts in the users own belt. Other belt options are available as accessories.





# **SR 905**

# REMOTE FILTER HOLDER + 952 TWIN HOSE

ART NO H01-3412

Complete Remote filter holder with leather belt and twin hose for use with half mask SR 900. Includes also hose protection and spark protection.



### **PARTICLE FILTERS**

for half and full face masks are divided into three classes depending on how effectively they can separate dust, mist and aerosols. Colour code - white.

A highly efficient filter such as the SR 510 P3 R offers protection against all types of particles such as dust, fume, fog, spray, asbestos even bacteria, viruses and radioactive dust.

A higher class also covers the lower ones, i.e. P3 covers both P1 and P2. The filters are replaced when the particle filter leads to increased breathing resistance. Particle filters offer protection only against particles.

### **Protection Classes with respect to efficiency**

(EN 143)		(NaCl and paraffin oil)
P1 R/NR	solid and wet particles	80 %
P2 R/NR	solid and wet particles	94 %
P3 R/NR	solid and wet particles	99,95 %

**"R"** after the class means that the particle filter can be reused.

"NR" after the class means that the particle filter must not be used for more than one shift.

### **COMBINATION FILTERS**

Combination filters are used when gases/vapours occur simultaneously with particles, e.g. in high-pressure cleaning, spray painting, heating substances or gas condensation. Select an appropriate gas filter and combine it with a particle filter by simply pressing them together or use filters with a fixed gas and particle filter in one.

# GAS FILTERS

Color

code

for half and full masks are divided into three classes on the basis of their capacity and test concentration.

# Filter Class Tested in concentrations

(EN 14387)

1	0,1 percent by volume = 1000 ppm
2	0,5 percent by volume = 5000 ppm

3 1,0 percent by volume = 10000 ppm

ppm=parts per milion

Filter type	Protects against	Color code
A	Organic gases/vapours with a boiling point above 65°C, e.g. solvent naphtha, toluene, styrene and xylene	
В	Inorganic gases/vapours such as chlorine, hydrogen cyanide and hydrogen sulphide	
Е	Acidic gases/vapours such as sulphur dioxide and formic acid	
K	Ammonia and certain amines	
AX	Organic gases and vapours with a boiling point below 65°C, such as acetone, methanol and dichloromethane	
HG-P3	Mercury	

Gas filters afford protection only against gases.

# FILTERS FOR HALF- AND FULL FACE MASK AND FAN UNITS

# **SR 221**

# PRE-FILTER

ART NO H02-0312

Pre filter SR 221 is a disc that is meant to catch coarse particles and by that extend the lifetime of the particle filters SR 510 P3 R and SR 710 P3 R, combined filter SR 299-2 ABEK1-Hg-P3 R and SR 599 A1BE2K1-Hg-P3 R.

The pre-filter is placed in the pre-filter holder and then snapped on to the particle filter or combined filter.



# SR 510 P3 R

### PARTICLE FILTER

ART NO **H02-1309** 

This mechanical filter protects against all types of particles (dust, fume, fog, spray, asbestos), even bacteria, viruses and radioactive dust.



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 regures 2000 times cleaner air). A new feature is the increased filterarea to 1300 cm<sup>2</sup>. It gives the filter an extremely low breathing resistans, in case 70% lower than the standard requires.

This filter also fits on all Sundström filter respirator products.

# FILTERS FOR HALF- AND FULL FACE MASK

# SR 217 A1

### **GAS FILTER**

ART NO H02-2509

Gas filter SR 217, Class 1 are designed for use with Sundström half masks and full face masks. The filter are of type A and provide

protection against organic gases and vapours, such as solvents, with boiling points > +65 °C.

The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during spray painting.

# SR 218-2 A2

### **GAS FILTER**

ART NO H02-2009

Gas filter SR 218 Class 2, are designed for use with Sundström half masks and full face masks. The filter are of type A and provide protection against organic gases and vapours,

The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during spray painting.



# SR 316 K1

### **GAS FILTER**

ART NO H02-4212

Gas filter SR 316, Class 1 are designed for use with Sundström half masks and full face masks.



The filter are of type K and provide protection against ammonia and certain amines, such as ethylene diamine.

The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during high-pressure washing.

# SR 295 K2

# **GAS FILTER**

ART NO H02-4312

Gas filter SR 295 Class 2 are designed for use with Sundström half masks and full face masks.

The filter are of type K and provide protection against ammonia and certain amines, such as ethylene diamine.

The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during high-pressure washing.



# FILTERS FOR HALF- AND FULL FACE MASK

# **SR 315 ABE1**

### **GAS FILTER**

ART NO H02-3209

Gas filter SR 315 Class 1 are designed for use with Sundström half masks and full face masks. The filter are of type ABE and provide protection against the following types of gases and vapours:



Type A protects against organic gases and vapours, such as solvents, with boiling points > +65 °C.

Type B protects against inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide.

Type E protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride.

The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during spray painting.

# SR 294 ABE2

### **GAS FILTER**

ART NO H02-3312

Gas filter SR 294, Class 2, are designed for use with Sundström half masks and full face masks.
The filter are of type ABE and provide protection against the following types of gases and vapours:



Type A protects against organic gases and vapours, such as solvents, with boiling points > +65 °C.

Type B protects against inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide.

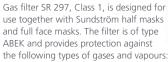
Type E protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride.

The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during spray painting.

# SR 297 ABEK1

# **GAS FILTER**

ART NO H02-5309





Type A protects against organic gases and vapours, such as solvents, with boiling points > +65 °C. Type B protects against inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide.

Type E protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride. Type K protects against ammonia and certain amines, such as ethylene diamine.

The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during spray painting.

# SR 299-2 ABEK1 Hg P3 R

### COMBINED FILTER

ART NO H02-6512

The SR 299-2 is a combined filter consisting of a Class 1 gas filter and Class 3 particle filter. The filter is designed for use in Sundström full face masks and half masks. The filter is of type ABEK1-Hg-P3 R and provides protection against the following types of gases, vapours and particles:



Type A protects against organic gases and vapours, such as solvents, with boiling points > +65 °C. Type B protects against inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide.

Type E protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride.

Type K protects against ammonia and certain amines, such as ethylene diamine. Type Hg protects against mercury vapour. Warning. Maximum use time 50 hours. Type P3 R\* protects against all types of particulate pollutants, e.g. dust, mist and smoke.

 $^{\star}$  R (Re-useable): The filter is intended to be used for more than a single shift.

# SR **298 AX**

## **GAS FILTER**

ART NO H02-2412

Gas filter SR 298 is designed for use with Sundström half masks and full face masks. The filter is of type AX and provides protection against organic gases and vapours, such as solvents, with boiling points ≤ +65 °C.



The gas filter can easily be combined with particle filter SR 510 P3 R in order to obtain protection also against aerosols (particles), e.g. during spray painting.

A FILTER GUIDE IN YOUR HANDS

# SR 710 P3 R

### **PARTICLE FILTER**

ART NO H02-1509

The SR 710 particle filter is provided with a special thread and is designed for use in the Sundström SR 500/ SR 500 EX/SR 700 battery-powered fan as a separate



particle filter, i.e. it cannot be combined with a gas filter.

The filter is of P3 R\* type and provides protection against all types of particulate pollutants. If a combined filter for fan SR 500/SR 500 EX is needed, the gas filter should be combined with the SR 510 particle filter.

The filter should be combined with prefilter SR 221 in order to increase its useful life.

\* R (Re-useable): The filter is intended to be used for more than a single shift.

# SR 518 A2

### **GAS FILTER**

ART NO **H02-7012** 

The SR 518 A2 gas filter are intended for use in the SR 500/SR 500 EX fan. Protects against organic gases and vapours, such as solvents, with boiling points > +65 °C.



The SR 500/SR 500 EX fan unit must always be used with two particle filters or two combined filters consisting of gas filters and particle filters.

# SR **515 ABE1**

### **GAS FILTER**

ART NO **H02-7112** 

SR 515 ABE1 gas filter are intended for use in the SR 500/SR 500 EX fan. Protect against the following gases/ vapours:



Type A protects against organic gases and vapours, such as solvents, with boiling points > +65 °C.

Type B protects against inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide.

Type E protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride.

The SR 500/SR 500 EX fan unit must always be used with two particle filters or two combined filters consisting of gas filters and particle filters.

# SR 597 A1BE2K1

## **GAS FILTER**

ART NO **H02-7212** 

The SR 597 A1BE2K1 are intended for use in the SR 500/SR 500 EX fan. Protects against the following gases/ vapours:



Type A protects against organic gases and vapours, such as solvents, with boiling points >+65 °C.

Type B protects against inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide.

Type E protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride.

Type K protects against ammonia and certain amines, such as ethylene diamin. The SR 500/SR 500 EX fan unit must always be used with two particle filters or two combined filters consisting of gas filters and particle filters.

# SR 599 A1BE2K1-Hg-P3 R

### COMBINED FILTER

ART NO **H02-7312** 

The Combined filter SR 599 is intended for use in the SR 500/SR 500 EX fan. The filter is of type A1BE2K1-Hg-P3 R and provides protection against the following types of gases and vapours:

Type A protects against organic gases and vapours,

such as solvents, with boiling points > +65 °C.

Type B protects against inorganic gases and vapours, such as chlorine, hydrogen sulphide and hydrogen cyanide.

Type E protects against acidic gases and vapours, such as sulphur dioxide and hydrogen fluoride.

Type K protects against ammonia and certain amines, such as ethylene diamin Type Hg protects against mercury vapour. Warning. Maximum use time 50 hours. Type P3 R\* protects against all types of particulate pollutants, e.g. dust, mist and smoke.

 $\ensuremath{^{\star}}$  R (Re-useable): The filter is intended to be used for more than a single shift.

Sundström filter Guide app help you find the type of filer that is suitable for you work environment. Search by Cas-number or chemical name.

Download "Sundström Safety Filter Guide" for free on Appstore and Google Play.





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# **SR 500**

# FAN UNIT FOR PARTICLES AND GAS

ART NO H06-0109
ART NO H06-0109 HD













The SR 500 is a fan unit designed to give protection against harmful particles as well as gases and vapours. It is equipped with two particle filters SR 510 P3 R or a threaded filter SR 710 P3 R and two pre-filters SR 221 for protection against particles.

For protection against gas exposure: two gas filters SR 518 A2, or two gas filters SR 515 ABE1, or two SR 597 A1B2E2K1 and particle filters SR 510 P3 R. NB: Gas filters must be used in combination with particle filters at all times.

- Optical, acoustic and vibration alarms.
- Standard battery SR 501, 14.8 V, 2.2 Ah, lithium-ion with 30 min. charging time to reach 80% and 1.5 hours to reach 100%
- Heavy duty battery SR 502, 14.8 V, 3.6 Ah, lithium-ion with 45 min. charging time to reach 80% and 2 hours to reach 100%
- The display indicates the battery capacity when the fan starts
- Operating time up to 13 hours depending on selection of filter, flow rate and battery type

# SR **500 EX**

EASILY OPERATED BATTERY POWERED FAN WITH PARTICLE- OR COMBINATION FILTERS

ART NO H06-2009











The SR 500 EX fan is explosion-proof and specially adapted for use in an explosive atmosphere. The SR 500 EX is included together with filters and head-tops in Sundström fan-assisted respiratory protective devices

The SR 500 EX can be used as an alternative to filter protections in all situations in which the latter are recommended. This applies particularly to situations in which the work is intensive, hot or of long-duration. The fan is equipped with filters and the filtered air is supplied through a breathing hose to the head-top. The latter is then pressurized, which prevents the surrounding pollutants from being admitted.

Wide range of face pieces such as hoods, helmets and visors, all in TH3. They can also be connected to the SR 200 full mask in TM3.



# **SR 700**

## **FAN UNIT FOR PARTICLES**

ART NO H06-7009









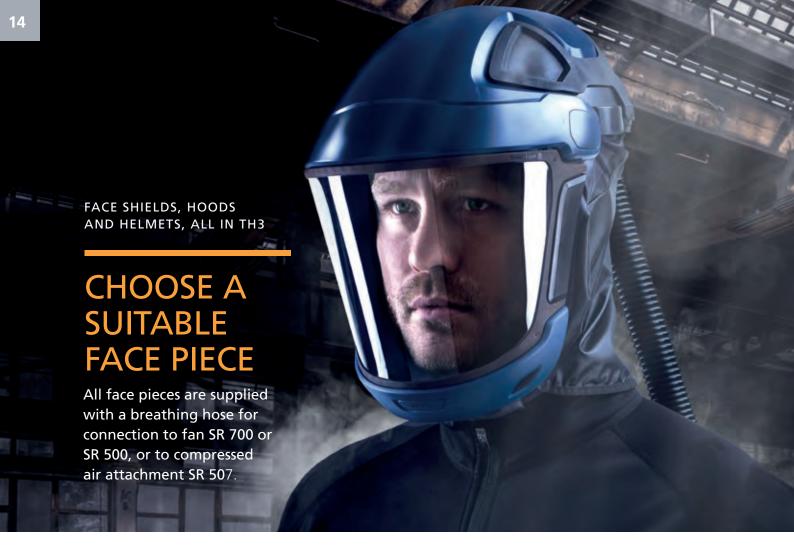




The SR 700 is a compact lightweight fan designed especially to provide protection against harmful particles where optimal protection properties are required. It is equipped with two particle filters, SR 510 P3 R, or threaded filter SR 710 P3 R, as well as pre-filter SR 221. With acoustic and optical alarms.

- Battery SR 701, 14.8V, 2.2 Ah, lithium-ion with a charging time of approx. 2 hours
- Approx. 8 hours operating time at a flow rate of 175 l/min., and approx. 5 hours at 225 l/min







# SR 520 & SR 530

### **HOODS**

SR 520 S/M – ART NO H06-0312 SR 520 M/L – ART NO H06-0212 SR 530 – ART NO H06-0412





SR 520 covers the face and crown of the head and is available in two sizes, S/M and M/L.

SR 530 covers not only the face and crown of the head but also the neck, throat and shoulders. One size. SR 530 has an easily adjustable neck seal that assures a very high level of protection, also for persons with a beard.

- Low weight
- Ready mounted Velcro strip for simple adjustment to head size
- Visor made of chemicals-resistant cellulose acetate (CA)
- PVC-coated polyester in the hood
- Exhalation valve that reduces the build-up of carbon dioxide inside the hood during heavy work
- Can be equipped with peel-offs or a protective hood against strong splash-backs and similar hazards

# SR 561 & SR 562

## **HOODS**

ART NO H06-5012 ART NO H06-5112





SR 561 protects the whole head and shoulders. Adjustable soft neck seal made of cotton.

SR 562 protects the face and crown of the head. Comfortable face seal made of polyamide/lycra.

- · Low weight
- Separate head harness allows replacement of the hood alone
- Visor in chemicals-resistant PETG.
- The hood is made of Tyvek@ material offering effective protection against a wide range of chemicals
- Easily adjustable head harness





# SR **570**

# FACE SHIELD







The SR 570 face shield is a modern, innovative product, designed and developed based on the needs and requirements from the market.

The SR 570 is a robust shield with a flip-up visor, and gives the user comfortable and safe respiratory and eye protection.

The face shield is fitted with an attachment for hearing protectors.

A wide range of accessories enable the user to customise the shield for their work situation. The shield is manufactured in a material that permits use in tough environments.

The SR 570 shield can be used with either our SR 500 or SR 700 powered fan unit. It can also be used with the compressed air attachment SR 507.

# **SR 580**

# SAFETY HELMET WITH VISOR

ART NO **H06-8009** 





- Complete protection of airways, head and face
- If required, may be complemented with most ear protectors for helmet mounting
- Easily raised visor made of polycarbonate
- Exhalation valve minimises the concentration of carbon dioxide inside the protective gear during heavy work
- Easily replaceable visor and face seal



# SR **540 EX**

# **FACE SHIELD**

ART NO H06-6012





### EX-class, gas: II 2 G Ex ib IIA T3 Gb EX-class, dust: II 2 D Ex ib IIIC T195°C Db

The SR 540 EX face shield together with the SR 500 EX fan has been approved for use in an explosive atmosphere. The breathing hose of the face shield is connected to the fan equipped with filters. The pressure generated inside the face shield prevents particles and other impurities from being admitted.

The SR 540 EX face shield may also be used together with compressed air attachment SR 507 but in this case only in environments which are not potentially explosive. This combination forms a breathing apparatus designed for continuous air flow, for connection to a compressed air supply. See separate product leaflet SR 507.

The equipment can be used as an alternative to filter protections in all situations in which the latter are recommended. This applies particularly to situations in which the work is intensive, hot or of long duration.





# SR 587 / SR 580

# **SAFETY HELMET WITH GOLDVISOR EN 5**

ART NO **H06-8510** 





Safety helmet SR 580 with a gold plated shield. Suitable when work is performed in extreme heat as the shield significantly reduces radiant heat.



# SR 588-1/SR 580

# SAFETY HELMET WITH 2/3 VISOR EN 3 ART NO H06-8610





Safety helmet SR 580 with visor EN 3. The visor protects against light emissions arising during welding and cutting perations and have a very good optical clarity.

# SR **588-2** / SR **580**

## **SAFETY HELMET WITH 2/3 VISOR EN 5**

ART NO H06-8710

Safety helmet SR 580 with visor EN 5. The visor protects against light emissions arising during welding and cutting operations and have a very good optical clarity.



### **WELDING SHIELD**

ART NO H06-4312

SR 591 welding shield is design for use either by itself or in combination with a respiratory protection system. The welding shield is designed for easy use and operation. Adjustable head harness for best comfort.

The SR 591 can be equipped with different types of welding filters. To get the best and appropriate respiratory protection you can choose to use it with either SR 900 half mask with remote filter holder SR 905 or with our powered fan unit SR 500 or SR 700 in the highest protection level (TM3). You can also use SR 900 with our SR 507 compressed air attachment in class 3A/3B.





# SR **592**

# WELDING SHIELD WITH AIR CHANNEL

ART NO H06-4412





SR 592 welding shield is design for use with a respiratory protection system. The welding shield is designed for easy use and operation. Easy and adjustable head harness for best comfort. The SR 592 can be equipped with different types of welding filters.

To get the best and appropriate respiratory protection you can choose to use it with our powered fan unit SR 500 or SR 700 in the highest protection level (TH3).



## COMPRESSED AIR ATTACHMENT

ART NO H03-1412





The SR 307 compressed air attachment is designed for connection to Sundström half masks and full face masks.

This combination forms a breathing apparatus designed for continuous air flow, for connection to a compressed air supply. The SR 307 is an accessor y that enables a given facepiece to be used as either a filtering device or a protective device supplied with compressed air. The compressed air attachment is especially intended for applications involving heavy and sustained work in environments in which the pollutants have poor warning properties or are particularly toxic.



# SR **507**

## **COMPRESSED AIR ATTACHMENT**

ART NO H03-0612











The SR 507 compressed air attachment is designed for connection to Sundström hoods SR 520/ SR 530/ SR 561/ SR 562, visors SR 540/ SR 540 EX, half mask SR 900, welding shield SR 590, helmet with visor SR 580 and welding shield/helmet with visor SR 584/ SR 580.

This combination forms a breathing apparatus designed for continuous air flow, for connection to a compressed air supply. The SR 507 is an accessory that enables a given face piece to be used as either a protective device supplied with compressed air or a powered air purifying respirator (PAPR). The compressed air attachment is especially intended for applications involving heavy and sustained work in environments in which the pollutants have poor warning properties or are particularly toxic.





# **SR 200 AIRLINE**

Airline PC Airline Glass ART NO H03-1012 ART NO H03-1212



SR 200 airline with filter backup. This consists of an SR 200 full mask with a hose connection mounted in the front part of the mask where the air from the regulating valve enters. A suitable filter/filter combination in the mask offers protection in the event of loss of pressure and when moving to and from the workplace. Complete with regulating valve and belt.

- In restricted spaces, the equipment can be used with a plugged front hole
- Specially developed for environments requiring a high protection factor
- The air flow is controlled by the regulating valve in the belt to assure a flow rate of between 150 and 320 l/min
- The inlet pressure to the regulating valve shall be 5 7 bar
- A flow meter and warning whistle for temporary and continuous monitoring of the air flow are included
- The breathing hose can be detached from both the mask and regulating valve, allowing the face piece to be used as a regular full mask with a filter, or connected to one of Sundström Safety's fans SR 500 or SR 700



## **COMPRESSED AIR HOOD**

ART NO H03-0312



Compressed air hood SR 63 consists of a hood in durable fabric reinforce PVC with a large visor in shatterproof polycarbonate with an easily adjustable harness. Complete with regulating valve and belt.

- Can be equipped with a protective film
- The air flow is controlled by the regulating valve in the belt to assure a flow rate of between 150 and 240 l/min
- The inlet pressure to the regulating valve shall be 4 7 bar
- A flow meter and warning whistle for temporary and continuous control of the air flow are included

# SR 99-1

## **COMPRESSED AIR FILTER**

ART NR H03-2810

The SR 99-1 compressed air filter is used for producing clean breathing air from ordinary compressed air. The unit consists of a regulator (C), pre-collector (D) and main filter (SR 292), all of which are mounted in an enclosing steel sheet stand.

The unit can be placed on the floor or mounted on a wall. The pre-separator has automatic drainage, separates coarser particles, water and oil.



## PRACTICAL ACCESSORIES



SR 292 Filter cartridge ART NO R03-2001



Y coupling
ART NO R03-2127

The SR 292 main filter consists of a carbon filter part (500g), surrounded by two P3 particulate filters. The air is cleaned to remove any remaining particles/gases/vapours/odours.

A Y coupling that increases the number of outlets is available as accessory.



# **ESCAPE HOODS**

The escape hood is a filtering respiratory protective device for self-rescue in the event of fire and/or chemical emission accident. Sundström Safety's escape hood are available in several variations with different filter combinations depending on expected exposure. The escape hood is based on the SR 100 half mask body in silicone and the hood is made of chemical resistant and flame retardant material which gives you an excellent fit and high comfort. The hood can be put on without any prior adjustment.

The hood is available in two sizes (S/M and M/L) and fits most adults and teenagers. The two exhalation valves and filter combination with low exhalation and inhalation resistance gives minimal strain for the user in a poten-tial psychological and physical environment.

The hood is vacuum packaged in an aluminum bag and is available for both stationary and mobile use in a bag that can be attached to the belt. The durable and vacuum packed aluminum bag gives you a carefree use for 10 years with no need of service or maintenance.

NB: Escape hoods should be used only for escape purposes and not as equipment for carrying out specific tasks. Only for use in environments with sufficient oxygen content in the surrounding air.

Sundström Safety's escape hoods for evacuation in the event of fire and/or chemicals accidents are characterized by:

- The hood is made of chemical resistant and flame retardant material
- Sewn and taped seams
- Two exhalation valves
- Gas filter after expected exposure
- Particle filter with a filtration efficiency more than 99.997%
- Two sizes S/M and M/L
- Mask body SR 100 in silicone gives you maximum protection level and comfort.
- Intergrated head harness gives you quick and simple donning without prior adjustment
- Neck seal in silicone for maximum seal against inward leakage
- 10 years shelf life and no service required
- Large visor with anti-fog treatment

# SR 76-3 ESCAPE HOOD CHEM

To be used in the event of chemical accidents. Available with all Sundström's gas filters in combination with particle filter SR 510 P3.

SR 76-3 S is approved for stationary storage.

SR 76-3 M is also approved as a portable escape hood.



### STATIONARY STORAGE

SR 76-3 ABEK1-Hg-P3 S/M ART NO H15-0312
SR 76-3 ABEK1-Hg-P3 M/L ART NO H15-0512
SR 76-3 ABE2-P3 S/M ART NO H15-0712
SR 76-3 ABE2-P3 M/L ART NO H15-0912
SR 76-3 K2-P3 S/M ART NO H15-1112
SR 76-3 K2-P3 M/L ART NO H15-1312

### PORTABLE WITH BAG

SR 76-3 ABEK1-HG-P3 S/M ART NO H15-0412
SR 76-3 ABEK1-HG-P3 M/L ART NO H15-0612
SR 76-3 ABE2-P3 S/M ART NO H15-0812
SR 76-3 K2-P3 S/M ART NO H15-1012
SR 76-3 K2-P3 S/M ART NO H15-1212
SR 76-3 K2-P3 M/L ART NO H15-1412



# SR 77-3 ESCAPE HOOD SMOKE/CHEM

Escape hood SR 77-3 Smoke/Chem to be used in event of fire and/or chemical accidents.

The hood is equipped with a combined filter: gas filter SR 331-2 ABEK1-CO and particle filter SR 510 P3 giving up to 30 minutes protection against CO as well as a particle filter with 99.997% efficiency.

SR 77-3 S is approved for stationary storage.

SR 77-3 M is also approved as a portable escape hood.



# STATIONARY STORAGE

SR 77-3 ABEK1-CO-P3 S/M ART NO **H15-3212** SR 77-3 ABEK1-CO-P3 M/L ART NO **H15-3412** 

# PORTABLE WITH BAG

SR 77-3 ABEK1-CO-P3 S/M ART NO H15-3312 SR 77-3 ABEK1-CO-P3 M/L ART NO H15-3512



# **ACCESSORIES AND IMPORTANT SPARES**

# **HALF MASK**



SR 230 Storage Box for half mask ART NO H09-3012



SR 339 Storage pouch for half mask SR 328 Fit Test Adaptor ART NO H09-0112



ART NO T01-1202



Prefilter holder ART NO R01-0605



SR 64 Hood for half mask ART NO H09-0301



SR 345 Protective Hood ART NO H09-1012



Service Kit SR 100 / SR 90-3 ART NO R01-2005 Service it for SR 900 ART NO R01-3005



Filter holder for SR 900 ART NO R01-3003

# **FULL FACE MASKS**



SR 344 Storage box for FF mask ART NO T01-1214



Protective Film SR 343 / SR 353 ART NO T01-1204 / T01-1205



SR 84 Welding cassette ART NO **T01-1212** 



SR 200 Membrane Kit ART NO R01-1204



Head Harness for SR 200 ART NO R01-1203



Head Harness NR for SR 200 ART NO **T01-1215** 



SR 280-3 Filter adapter ART NO **H09-0212** 



SR 611 Filter Adaptor ART NO T01-1223

# **REMOTE FILTER**



SR 951 Single Hose ART NO T01-3003



SR 952 Twin Hose ART NO R01-3009



Leather Belt for SR 905 ART NO R01-3006



Hose Protection for SR 952 Twin Hose ART NO T01-3004

# **HEAD TOPS**



SR 586 Hood for SR 520, SR 530, SR 543, SR 580 ART NO **T06-0806** 



Protective Film SR 522 **T06-0201** SR 570 **T06-0601** SR 542 **T06-0501** SR 580 **T06-0801** 



Bump Cap for SR 570 ART NO **T06-0602** 



Visor 2/3 EN 5 for SR 570 ART NO **T06-0605** 



Auto Welding Lens 4/5-13 ART NO R06-4508 Auto Welding Lens 4/9-13 ART NO T06-4009



SR 584 Welding Shield ART NO T06-8010



SR 59018 Protective Hood ART NO T06-4014



SR 59021 Hose Cover ART NO **T06-4016** 

# **POWER ASSISTED FILTER PROTECTION**



SR 552 Harness
ART NO **T06-0116** 



SR 552 EX Harness ART NO **T06-2002** 



SR 550 / SR 551 Breathing Hose ART NO T01-1216 / T01-1221



SR 504 Rubber Belt ART NO T06-0104



Battery Standard 2.2 Ah ART NO R06-0108 (SR500)



SR 502 Battery HD 3.6Ah ART NO **T06-0101 (SR500)** 



SR 501 EX Battery
ART NO R06-2002



Battery SR 700
ART NO R06-0705



Battery charger SR 500 ART NO R06-0103



Battery charger SR 700 ART NO R06-0706



Battery charger EX ART NO R06-2003



SR 516 charger & chargerstand ART NO T06-0111

# **FILTER RECOMMENDATIONS**

Substance	CAS-no	Filter	Note	Substance	CAS-no	Filter	Note
1, 2-DICHLOROETHANE	107-06-2	A		CHLORATE		Р3	
2-NITROPROPANE	79-46-9	Α	4	CHLORINE	7782-50-5	В	
2-PROPANOL	67-63-0	А		CHLORINE DIOXIDE	10049-04-4	В	
ACETALDEHYDE	75-07-0	AX	4	CHLOROFORM	67-66-3	AX	4
ACETAMIDE	60-35-5	A+P3	1, 4	CHLOROPRENE	126-99-8	AX	4
ACETIC ACID	64-19-7	В		CHROMIC ACID	1333-82-0	Р3	4, 6
ACETIC ANHYDRIDE	108-24-7	В		COBALT (DUST AND SMOKE)	7440-48-4	Р3	6
ACETONE	67-64-1	AX		CRESOL	1319-77-3	A+P3	1
ACETYLCHLORIDE	75-36-5	В		CUMENE	98-82-8	Α	5
ACETYLENE	74-86-2	COMPR.AIR EQ		CUPPER	7440-50-8	Р3	
ACROLEIN	107-02-8	AX	3	COTTON DUST		P3	
ACRYLAMIDE	79-06-1	A+P3	1, 4, 5	CYANIDE (AS CN)	57-12-5	B+P3	1, 3
ACRYLIC ACID	79-10-7	В		CYCLOHEXANOL	108-93-0	A+P3	1
ACRYLONITRILE	107-13-1	Α	4	CYCLOHEXANONE	108-94-1	Α	
ADIPIC ACID	124-04-9	P3		DIACETONE ALCOHOL	123-42-2	Α	3
ALIPHATIC NAPHTA	8052-41-3	Α		DIGLYCIDYL ETHER	2238-07-5	Α	3, 6
ALLYL ALCOHOL	107-18-6	Α	3	DIMETHYL SULPHATE	77-78-1	Α	3, 4, 5
ALLYL CHLORIDE	107-05-1	AX	5	DIMETHYLFORMAMIDE	68-12-2	Α	4, 5
ALLYLAMINE	107-11-9	K	5	DIOXANE	123-91-1	Α	4, 5
ALUMINIUM CHLORIDE	7446-70-0	B+P3		DUST, INERT		P3	
ALUMINIUM OXIDE	1344-28-1	P3	•••••••	EDTA	60-00-4	P3	
AMMONIA	7664-41-7	К		EPICHLOROHYDRIN	106-89-8	Α	4, 5, 6
AMYL ACETATE	628-63-7			ETHANOL	64-17-5	Α	-, 5, 0
ANILINE	62-53-3		4, 5	ETHYL ACETATE	141-78-6	Α	
ANTIFOULING PAINTS	02-33-3	A+P3		ETHYL ACRYLATE	140-88-5	Α	456
ANTIMONY	7440-36-0	P3				AX	4, 5, 6
ANTIMONY HYDRIDE	7803-52-3	. гэ В		ETHYL BROMIDE	74-96-4	AX	3
	7603-32-3			ETHYL CHLORIDE	75-00-3		4
AROMATIC NAPHTA	7440 20 2	Α		ETHYL ETHER	60-29-7	AX	
ARSENIC (NOT ARSINE)	7440-38-2	P3		ETHYLENE GLYCOL	107-21-1	Α	
ARSINE	7784-42-1	В		ETHYLENE OXIDE	75-21-8	AX	4, 5
BARIUM	7440-39-3	P3		ETHYLENEDIAMINE	107-15-3	K	3, 6
BENZALDEHYDE	100-52-7	. A		FERROUS CHLORIDE		BE+P3	1
BENZENE	71-43-2	Α	4	FERROUS OXIDE (SMOKE)	1309-37-1	P3	
BENZOTRIAZOLE	95-14-7	A+P3	1	FLUOR	7782-41-4	В	
BENZOYL CHLORIDE	98-88-4	В		FLUORIDE (AS F)		P3	
BENZYL ALCOHOL	100-51-6	. A		FLUOROSILISIC ACID	16961-83-4	B+P3	1
BENZYL CHLORIDE	100-44-7	В	3, 4	FORMALDEHYDE	50-00-0	В	4, 5, 6
BERYLLIUM	7440-41-7	P3	4, 6	FORMIC ACID	64-18-6	E	
BIPHENYL	92-52-4	A+P3		FREON 113	76-13-1	COMPR.AIR E	Q
BROMINE	7726-95-6	В		FURFURAL	98-01-1	Α	
BUTYL ACETATE	123-86-4	Α		GLUTARALDEHYDE	111-30-8	Α	6
BUTYL ALCOHOL	71-36-3	A		GLYCOLMONOBUTYL ETHER	111-76-2	Α	5
BUTYR ALDEHYDE	123-72-8	A		GLYCOLMONOMETHYL ETHER	109-86-4	Α	5
CADMIUM	7440-43-9	P3	4	HYDRAZINE	302-01-2	K	3, 4, 5, 6
CALCIUM OXIDE	1305-78-8	P3		HYDROCHLORIC ACID	7647-01-0	В	
CARBON DIOXIDE	124-38-9	COMPR.AIR EQ		HYDROFLUORIC ACID	7664-39-3	B+P3	11
CARBON DISULPHIDE	75-15-0	AX	5	HYDROGEN CYANIDE	74-90-8	В	3, 5
CARBON MONOXIDE	630-08-0	COMPR.AIR EQ		HYDROGEN PEROXIDE	7722-84-1	COMPR.AIR E	Q
CARBONTETRACHLORIDE	56-23-5	А	4	HYDROGEN SELENIDE	7783-07-5	В	3

Compressed air equipment can always be used instead of a filter respirator. It should always be used if the gas concentrations are in excess of 0.5% by volume. Should be used for physically strenuous or long-duration work.

N.B. Compressed-air supplied equipment should not be used where there is danger of loss of consciousness or asphyxiation. Advice concerning the selection of filters and the method of use can always be obtained directly from Sundström Safety AB.

Substance	CAS-no	Filter	Note
HYDROGEN SULPHIDE	7783-06-4	В	
HYDROGENE	1333-74-0	COMPR.AIR EQ	
HYDROQUINONE	123-31-9	Р3	4, 6
IODINE	7553-56-2	P3	3
ISOPHORONE	78-59-1	A	
ISOPROPHYL ALCOHOL	67-63-0	A	
LEAD (SMOKE AND DUST)	7439-92-1	Р3	
MALEIC ANHYDRIDE	108-31-6	B+P3	1, 6
MANGAN	7439-96-5	Р3	
MDI	101-68-8	B+P3	1, 6
MEK	78-93-3	Α	5
MELAMINE	108-78-1	COMPR.AIR EQ	
MERCURY (VAPOUR)	7439-97-6	HG-P3	2, 5, 6
METHYL ACRYLATE	96-33-3	Α	5, 6
METHYL ALCOHOL	67-56-1	AX	5
METHYL BROMIDE	74-83-9	AX	3, 5
METHYL CHLORIDE	74-87-3	AX	4
METHYL ETHYL KETONE (MEK)	78-93-3	Α	5
METHYL IODIDE	74-88-4	AX	4, 5
METHYL ISOBUTYLKETONE (MIBK)	108-10-1	A	3, 5
METHYL METHACRYLATE	80-62-6	Α	5, 6
METHYLAMINE	74-89-5	к	
METHYLCHLOROFORM	71-55-6	Α	
METHYLENE CHLORIDE	75-09-2	AX	4
MIBK	108-10-1	Α	3, 5
MONOMETHYLAMINE	74-89-5	 К	
MORPHOLINE	110-91-8	Α	5
NICKEL CARBONYL	13463-39-3	COMPR.AIR EQ	4, 5
NICKEL, METAL	7440-02-0	P3	4, 6
NITRIC ACID	7697-37-2	В	
NITROBENZENE	98-95-3	Α	5
NITROGEN	7727-37-9	COMPR.AIR EQ	
NITROGEN DIOXIDE	10102-44-0	COMPR.AIR EQ	
NITROGEN OXIDE	10102-43-9	COMPR.AIR EQ	
NITROGLYCERINE	55-63-0		5
NITROGLYCOL	628-96-6		5
NITROUS GAS		COMPR.AIR EQ	
NITROUS OXIDE	10024-97-2		
OCTANE	111-65-9	A	
ORGANIC PEROXIDES		A+P3	1
OXALIC ACID	144-62-7	P3	
OZONE	10028-15-6	В	
P-PHENYLENEDIAMINE	106-50-3	 Р3	3, 6
PCB	100-50-5	A+P3	
PENTACHLOROPHENOL	87-86-5	P3	1, 4, 5
PERCHLORIC ACID	7601-90-3	BE	4, 5
PERCHLORIC ACID  PERCHLOROETHYLENE		А	
	127-18-4		4, 5
PUENOL	86290-81-5	AX	4 5
PHENOL	108-95-2	B+P3	1, 5

Pre-filter SR 221 should always be used. N.B. This pre-filter can never replace particle filter SR 510 P3 R.

These recommendations are derived from a number of different sources and they follow the current Swedish regulation. Note that there can be national differences in the regulations for use of respiratory protective equipment.

Substance	CAS-no	Filter	Note
PHOSGENE	75-44-5	В	
PHOSPHINE	7803-51-2	В	
PHOSPHORIC ACID (MIST)	7664-38-2	BE+P3	1
PHTHALIC ANHYDRIDE	85-44-9	Р3	6
PIPERAZINE	110-85-0	K+P3	1, 6
PIPERIDINE	110-89-4	K	
POTASSIUM HYDROXIDE	1310-58-3	Р3	
POTASSIUM PERMANGANATE	7722-64-7	Р3	
PROPINOIC ACID	79-09-4	В	
PYRIDINE	110-86-1	A	
SELENIUM	7782-49-2	Р3	
SELENIUM SULPHIDE	7782-49-2	Р3	4
SILICON DIOXIDE	14464-46-1	Р3	4
SILVER NITRATE	7761-88-8	Р3	
SODIUM CARBONATE	497-19-8	Р3	
SODIUM FLUORIDE	7681-49-4	Р3	
SODIUM HYDROXIDE	1310-73-2	Р3	
SODIUM HYPOCHLORITE	7681-52-9	B+P3	1
SODIUM PERBORATE	10486-00-7	Р3	
SODIUM SILICATE	6834-92-0	Р3	3
STYRENE	100-42-5	Α	5
SULFAMIC ACID	5329-14-6	B+P3	1
SULFUR DIOXIDE	7446-09-5	E	
SULPHURIC ACID (MIST)	7664-93-9	E+P3	1
TDI	91-08-7	COMPR.AIR EQ	4, 6
TERPENTINE (OIL)	8006-64-2	A	5, 6
TETRACHLOROETHYLENE	127-18-4	A	5, 6
TETRAETHYL LEAD	78-00-2	A+P3	1, 5
TETRAHYDROFURAN	109-99-9	A	
TETRAMETHYL LEAD	75-74-1	A+P3	1, 5
TOLUENE	108-88-3	A	5
TRIBUTYL PHOSPHATE	126-73-8	A	
TRICHLOROETHANE	71-55-6	A	
TRICHLOROETHYLENE	79-01-6	A	4
TRIDYMITE (SILICON DIOXIDE)	15468-32-3	P3	
TRIMETHYLBENZENE	526-73-8	A	
TRISODIUM PHOSPHATE	7601-54-9	Р3	
VANADIUM OXIDE (DUST)	1314-62-1	P3	
VINYL ACETATE	108-05-4	A	
VINYL CHLORIDE	75-01-4	AX	4, 5
VINYL TOULENE	25013-15-4	A	
VINYLIDENE CHLORIDE	75-35-4	AX	
WHITE SPIRIT	8052-41-3	Α	
XYLENE	1330-20-7	Α	5
ZINC CHLORIDE (SMOKE)		P3	
ZINC OXIDE (SMOKE)	1314-13-2	P3	

## **NOTES:**

- 1. Combinations of filters shall be used.
  2. Combination filter SR 299-2 ABEK1 Hg P3 R and
  SR 599 A1BE2K1 Hg P3 R. Type Hg- maximum use time 50 hours.
  3. Full face mask should be used.
  4. Carcinogenic
  5. Skin adsorbing
  6. Regarded as a sensitizer

