

ENG

BREATHING PROTECTION



Sundström Safety AB was founded by Ivan Sundström in 1926.

The unhealthy air of the mines led to the first respirators



Mining engineer Ivan Sundström observed that the eyes and lungs of the miners had to be protected and founded Sundström Safety AB back in 1926 for manufacturing of respirators. The company and its products were developed further by his son Per, who also studied art at the Technical Academy (now the College of Art). During his studies, he learnt how to analyse the human anatomy. His understanding of face shapes laid the foundations for developing the design and properties of the respirators.

Good respiratory protection had to be simple and comfortable to use. In 1972, Sundström presented the first modern half mask respirator made of rubber in an anatomical design. The first silicone mask was launched in 1989.

OUR AIM IS TO PROTECT PEOPLE FROM AIRBORNE HAZARDS. It was this concern that prompted Ivan Sundström to begin manufacturing protective respirators. We then carried this task over into the 21st century. That is why we are not content merely to conform to the standard requirements. Our ambitions go considerably further.

WE AIM TO ASSURE OPTIMAL PROTECTION. Although we are very satisfied with our current products, we continue to make major investments in product development. We now offer a complete system of masks, filters and accessories for all applications on the market and are continuously working to create products which are as efficient as possible.

When our grandfather Ivan founded his company, he could never have imagined today's export-oriented business. But he would certainly have hoped that the company would continue to exist and remain within the family. And that's how it has been and how we aim to keep it in future. Per Sundström died in December 2004, and the third generation of the family now continues to run the company in the same spirit. Production and product development take place in Lagan in the province of Småland and the main office is located in Lidingö outside Stockholm. The company celebrated its 85th anniversary in 2011.

Sundström Safety AB has been certified to ISO 9001 since 1993.



The founder's son Per Sundström launched the first rubber half mask respirator in 1972.



Selecting respiratory protection

When all other measures have been taken to reduce dangerous levels of exposure, respiratory protection is the last but important step to prevent harmful air contaminants from entering the body through the airways.

4 THINGS TO CONSIDER

- **IDENTIFICATION:** which hazardous gases, vapours, dust, smoke or aerosols do we need to protect ourselves from? Make workplace measurements and monitor the concentrations of the hazardous substances.
- **RISK ASSESSMENT:** is sufficient oxygen level present during the entire period of exposure? What are the effects on health of the substances present? Are there any occupational exposure limits for these substances? Are there any other risks, such as splashing, sparks or explosive mixtures?
- **SELECTION OF BREATHING PROTECTION:** half mask, full-face mask, powered or air fed respirators.
- **TRAINING:** fitting, function checks, donning, storage and maintenance. Routines for cleaning and replacing filters and wearing parts.

The employer is responsible for the selection, maintenance and provision of breathing protection equipment and its use in the workplace. The user is in his turn responsible for using it according to the employer's routines. A programme designed to protect employees from exposure to air contaminants is described in the EN 529:2005 guidelines: recommendations for the selection, use, care and maintenance of respiratory protection equipment.

TWO TYPES OF BREATHING PROTECTION

FILTER PROTECTION, where the surrounding air passes through filters that remove contaminants. This type is used where sufficient oxygen level is present and known contaminants can be captured in the filter. The contaminants must have clear warning properties in the form of odours or taste in concentrations below the occupational exposure limits. Filters must not be used where the contaminant concentrations are Immediately Dangerous to Life and Health.

Examples of filter protection are half and full face masks with replaceable filters as well as powered-assisted filter protection for half and full masks or hoods, visors and helmets. For contaminants in gas form, appropriate gas filters are used with active carbon that adsorbs the gas. As the filter becomes saturated the gradual breakthrough starts, therefore it is important to set up a filter replacement policy.

Particles such as dust, smoke and mist are captured in particle filters. As the degree of clogging rises, breathing resistance increases and the filter must be replaced if it is damaged or breathing becomes difficult. Combination filters are used in the presence of both particles and gas.



BREATHING APPARATUS supplies the user with air from an independent source, via cylinders with compressed air or breathable air from a compressor. Continuous flow air line equipment with hoses is used in half and full face masks, hoods, helmets and visors.

Compressed-air fed breathing protection may be used in all environments suitable for filters and in which a higher level of protection is required. Some substances can not be adsorbed in filters, and in such cases compressed-air fed breathing protection is the only alternative.

The inhaled air must conform to EN 12021 and as an example not exceed the odour threshold for oil (0.5 mg/m³).



Selecting respiratory protection on the basis of level of contaminant – protection factor

All types of breathing protection have a specific protection factor that describes how efficiently they reduce the level of the contaminant in the airways, i.e. inside the face piece.

THE ASSIGNED PROTECTION FACTOR (APF) is based on measurements inside and outside the protective device, conducted on workers in real work environments.

THE NOMINAL PROTECTION FACTOR (NPF) is based on laboratory measurements in conjunction with approval of the protection equipment to the EN standard.

Calculation of the protection needed at the workplace should be based on the Assigned Protection Factor (APF). Check national requirements for assigned protection factors EN 529.

The following calculations can be made on the basis of the degree of pollution, ideally determined by work environment measurements, and the occupational exposure limit of the substance involved:

IMPORTANT FORMULAS

Required protection factor = contaminant concentration / OEL

Max. user concentration = OEL x APF

Concentration in the respirator = contaminant concentration / APF

OEL = Occupational Exposure limit
APF = Assigned protection factor

N.B: Filter protection must never be used in concentrations Immediately Dangerous to Life and Health (IDLH). Select appropriate breathing protection whose protection factor exceeds the required protection factor.

In the event of exposure to carcinogenic, sensitizing and similar substances, it is important to select equipment with a maximum protection factor so that the contaminant concentrations within the mask are minimized. Various types of filter protection and their nominal protection factors are shown below.



* For Assigned Protection Factors check National regulations.



Selecting breathing protection on the basis of work duration and workload

FOR SHORT TERM JOBS WITH A 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 appropriate. 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.

TWO DIFFERENT FIT TESTS CAN BE USED TO ASSURE A GOOD FIT FOR HALF AND FULL FACE MASKS.

QUALITATIVE (SUBJECTIVE) TEST: The user dons the protective mask as described in the user manual and is exposed to a substance with a smell, such as isoamyl acetate, or with a taste, such as Saccharin or Bitrex. If the user cannot smell or taste anything, then the respirator has a good fit.

QUANTITATIVE (OBJECTIVE) FIT TEST: The numbers of particles in the ambient air and inside the mask are measured to obtain a ratio describing how well the breathing protection fits. During this test, several exercises are carried out that simulate various situations which may occur during a normal work shift.

The qualitative test depends on the user's sense of smell and/or taste and is considered to be less suitable than a quantitative test for measuring how well the mask fits.

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.

Half and full face masks

Sundström Safety manufactures half and full face masks designed for the toughest applications. The masks are known for their excellent fit, high protection level and breathing comfort.

- All masks in Sundström Safety's programme use the same range of filters and can be combined efficiently and cost-effectively to suit each situation.
- If compressed air is needed, for instance in the case of contaminants with poor warning properties, compressed air attachment SR 307 can be connected to all masks. See Page 17.

SR 900 IN THREE SIZES

- Made of soft thermoplastic for optimal comfort and fit.
- Together with particle filter SR 510 P3 R, this is a safer, environmentally friendly and very cost-effective solution compared with disposable/paper masks.
- A direct air flow into the mask and two exhalation valves ensure a very low breathing resistance.
- Produced in three sizes to assure a good fit for most face shapes.



SR 900 Small – Art no H01-3012
SR 900 Medium – Art no H01-3112
SR 900 Large – Art no H01-3212



FOR PROFESSIONAL USE!

SR 100 S/M – Art no H01-2112

SR 100 M/L – Art no H01-2012

SR 100 L/XL – Art no H01-2812

SR 100 IN THREE SIZES

- One of the world's most comfortable and reliable half masks.
- Made from silicone throughout, with wide and soft application surfaces for an optimal fit.
- Direct air flow into the mask and two exhalation valves ensure a very low breathing resistance.
- Two exhalation valves minimize and reduce the formation of moisture in the mask.
- Harness and mask attachment distribute the pressure equally against the face.
- A long service life with few spares simplifies care and maintenance.

PREMIUM PACK

Contents

- 1 SR 100 half mask in silicone
- 1 SR 510 P3 R particle filter
- 1 SR 217 A1 gas filter, protects against most solvents
- 5 pre-filters
- 1 pre-filter holder
- 1 cleaning wipe
- 1 set of instructions with maintenance information



- Brush painting, gas filter only
- Spray painting, combined gas and particle filters
- High-pressure washing with degreasing, combined gas and particle filters
- Pesticides and spraying, combined gas and particle filters
- Adhesives and lacquer with brush, gas filter only

PREMIUM PLUS PACK

Contents

- 1 SR 100 half mask in silicon
- 1 SR 510 P3 R particle filter
- 1 SR 297 ABEK1 gas filter, protects against a wide range of gases
- 5 pre-filters
- 1 pre-filter holder
- 1 cleaning wipe
- 1 set of instructions with maintenance information



- Agriculture
- Municipal sewage and treatment plants
- Waste and refuse plants
- Operations with many different contaminants, where you want to be sure not to choose the wrong filter

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Harness SR 363 (single) for SR 100	Art no R01-2001
Harness SR 362 (separated) for SR 100	Art no R01-2002
Harness (single) for SR 900	Art no R01-3001
Harness (separated) for SR 900	Art no R01-3002
Pre-filter holders	Art no R01-0605
Membrane set – out x 2 / in x 1 / valve cap x 2	Art no R01-2004
Service set SR 900 – harness/pre-filter holder/membrane set	Art no R01-3005
Protective hood SR 64 made of Tyvek® material	Art no H09-0301



Storage box SR 230
Art no H09-3012



Head harness SR 363, single strap, (SR 100)
Art no R01-2001



Storage bag SR 339
Art no H09-0112



Protective hood SR 345, PVC.
Art no H09-1012



SPARES AND PRACTICAL ACCESSORIES. FOR COMPLETE INFORMATION, GO TO SRSAFETY.COM



IF EYE PROTECTION IS REQUIRED AND/OR AT HIGHER CONCENTRATIONS

SR 200 FULL FACE MASK

- Made of silicone with a unique airflow that minimises inhalation and exhalation resistance.
- Spherical visor with a very wide field of vision.
- Integrated internal mask for simple cleaning.
- Comfortable and easily adjustable textile harness.

SR 200 with PC visor – Art no H01-1212

SR 200 with glass visor – Art no H01-1312



IMPORTANT SPARES AND PRACTICAL ACCESSORIES

PC visor SR 366 (polycarbonate)	Art no R01-1201
Peel-off visor SR 343 for polycarbonate visor	Art no T01-1204
Glass visor SR 365 (laminated glass)	Art no T01-1203
Peel-off visor SR 353 for glass visor	Art no T01-1205
Harness - textile	Art no R01-1203
Harness SR 340 - rubber	Art no T01-1215
Filter adapter SR 280-3	Art no H09-0212
Gasket for filter connection	Art no R01-1205
Pre-filter holder	Art no R01-0605
Membrane set – out x 2 / in x 3 / drop x 2 / valve cap x 2	Art no R01-1204
Test adapter SR 370 for fit test	Art no T01-1206
Protective hood SR 345 in PVC	Art no H09-1012
Storage box SR 344	Art no T01-1214



Spectacle frame SR 341
Art no T01-1201



Welding cassette SR 84
Art no T01-1212



Tyvek©
Art no H09-0301



Storage box SR 344
Art no T01-1214

FILTERS

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

PROTECTION CLASSES WITH RESPECT TO EFFICIENCY

(EN 143) (NaCl and paraffin oil)

P1 R/NR	solid and wet particles 1	80 %
P2 R/NR	solid and wet particles 2	94 %
P3 R/NR	solid and wet particles 3	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.

A highly efficient filter such as the SR 510 P3 R offers protection against all types of particles. 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.

GAS FILTERS 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=1000ppm
2	0,5 percent by volume=5000ppm
3	1,0 percent by volume=10000ppm

ppm=part per million

FILTER TYPE	PROTECTS AGAINST	COLOUR CODE
A	Organic gases/vapours with a boiling point above 65°C, e.g. solvent naphtha, toluene, styrene and xylene	White
B	Inorganic gases/vapours such as chlorine, hydrogen cyanide and hydrogen sulphide	Black
E	Acidic gases/vapours such as sulphur dioxide and formic acid	Yellow
K	Ammonia and certain amines	Green
AX	Organic gases and vapours with a boiling point below 65°C, such as acetone, methanol and dichloromethane	White
Hg-P3	Mercury	Red

Gas filters afford protection only against gases.

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- AND PARTICLE FILTERS



SR 217 A1 – Art no H02-2512
SR 218 A2 – Art no H02-2012
 SR 217 A1 and SR 218 A2 offer protection against organic compounds with a boiling point above 65°C.



SR 297 ABEK1 – Art no H02-5312
 SR 297 ABEK1 offers protection against the same types of contaminant as gas filter SR 315 as well as against ammonia.



SR 510 P3 – Art no H02-1312
 SR 510 P3 R is a mechanical particle filter with extremely low breathing resistance. SR 510 offers protection against all types of particles (dust, smoke, mist, spray, asbestos), as well as bacteria, viruses and radioactive fallout. Filtering efficiency more than 99.997%. SR 510 is used for all protective filters in Sundström Safety's programme.



SR 316 K1 – Art no H02-4212
SR 295 K2 – Art no H02-4312
 SR 316 K1 and SR 295 K offer protection against ammonia and certain amines.



SR 298 AX – Art no H02-2412
 SR 298 AX offers protection against organic compounds with a boiling point below or equal to 65°C.

If gas/vapour and particles occur simultaneously, a particle filter is combined with a suitable gas filter.



SR 315 ABE1 – Art no H02-3212
SR 294 ABE2 – Art no H02-3312
 SR 315 ABE1 and SR 294 ABE2 offer protection against organic compounds with a boiling point above 65°, inorganic compounds and acidic gases/vapours.



SR 299-2 ABEK1 Hg P3 Combined filter – Art no H02-6512
 SR 299-2 ABEK1 Hg P3 R offers protection against organic compounds with a boiling point above 65°, inorganic compounds and acidic gases/vapours, ammonia, mercury vapour as well as against all types of particles. The maximum time of use for protection against mercury vapour is 50 hours.



SR 221 Pre filter – Art no H02-0312
 SR 221 must be used together with particle, gas and combination filters at all times. The pre-filter protects the main filter against premature clogging by larger particles. The pre-filter holder fixes the filter in place and protects it against handling damage.

FOR WORK THAT IS HEAVY, HOT OR OF LONG DURATION

Powered-assisted filter protection

Sundström Safety's powered-assisted filter protection equipment is designed to give the user the maximum level of protection, comfort, simplicity and cost-effectiveness.

FAN UNITS SR 500 AND SR 700 ARE CHARACTERIZED BY:

- A high air flow, 175 or 240 l/min., which assures positive pressure in the face piece even during heavy workload and maintains high level of protection.
- The high air flow of both fans, SR 500 and SR 700, assures the highest protection class TH3 or TM3 for all face pieces.
- Automatic flow control monitors and maintains the set air flow rate, i.e. no calibration.
- Alarm functions for clogged particle filters and low battery capacity.
- Display with clear symbols for key data, e.g. selected air flow and type of alarm.
- Detachable lithium-ion batteries for fast charging and long service life.
- 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, TM3.
- The electronics and fan case are very well encapsulated (IP67), thus facilitating any vigorous cleaning that may be required.
- All fans are supplied with a battery, charger, belt, flow meter, pre-filter holder, pre-filter and particle filter.

Select a fan

FOR PARTICLES ONLY

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 700 – Art no H06-7010



BOTH PARTICLES AND GAS

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 – Art no H06-0112





Charging station SR 506, unassembled, can be fitted with 1-5 chargers
Art no T06-0108



Pre-filter holder SR 509 for SR 500
Art no R06-0106



Splash cover SR 514 for SR 500 and SR 700
Art no T06-0114

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Textile belt for SR 500 and SR 700	Art no R06-0101
Leather belt SR 503 for SR 500 and SR 700	Art no T06-0103
Rubber belt SR 504 for SR 500 and SR 700	Art no T06-0104
Standard battery for SR 500	Art no R06-0102
Heavy duty battery SR 502 for SR 500	Art no T06-0101
Standard battery SR 700	Art no R06-0708
Gasket for fans SR 500 and SR 700	Art no R06-0107
Particle filter adapter for SR 500	Art no R06-0105
Particle filter adapter for SR 700	Art no R06-0701
Pre-filter holder SR 509 for decontamination work for SR 500	Art no T06-0105
Pre-filter holder for SR 700	Art no R01-0605
Storage bag SR 505 for SR 500 and SR 700	Art no T06-0114



Harness SR 552 for SR 500 and SR 700
Art no T06-0116

FILTERS FOR POWERED DEVICES



SR 510 particle filter P3 R – Art no H02-1312 is a mechanical particle filter of class P3 R with an extremely high efficiency >99.997% and an active area of 13 dm². The filter can be used together with an adapter in the case of simple particle contaminants or in combination with a suitable gas filter. SR 510 is used for all filter protection equipment in Sundström Safety's programme.



SR 518 gas filter A2 – Art no H02-7012 is a filter for protection against organic compounds with a boiling point above +65°C, i.e. most solvents. Class 2 means high capacity and thus a long operating time. Gas filters for fan SR 500 must be used in combination with particle filter SR 510 P3 R at all times.



SR 597 gas filter A1BE2K1 – Art no H02-7212 offers protection against organic compounds with a boiling point above +65°C, inorganic and acidic gases as well as ammonia and certain amines. Gas filters for the SR 500 fan should be used in combination with particle filter SR 510 P3 R at all times.



SR 710 particle filter P3 R – Art no H02-1512 is a mechanical particle filter of class P3 R with an extremely high efficiency (> 99.997%) and an active area of 13 dm². The filter offers protection against all types of particles, both solids and liquids. SR 710 cannot be combined with gas filters.



SR 515 gas filter ABE1 – Art no H02-7112 is designed to assure protection against organic compounds with a boiling point above +65°C, as well as inorganic and acidic gases. Gas filters for fan SR 500 must be used in combination with particle filter SR 510 P3 R at all times.



SR 599 combination filter A1BE2K1HgP3 – Art no H02-7312 offers protection against organic compounds with a boiling point above +65°C, inorganic compounds and acidic gases/vapours, ammonia, mercury vapour as well as against all types of particles. It is designed for use in the SR 500 fan. Its maximum time of use for protection against mercury vapour is 50 hours.

Choose a suitable face piece

All face pieces are supplied with a breathing hose for connection to fan SR 700 or SR 500, or to compressed air attachment SR 507 (see Page 17).

FACE SHIELD SR 540

- Easily raised visor with a wide field of vision.
- Low weight, only 700 g with breathing hose.
- Exhalation valve that reduces the build-up of carbon dioxide inside the shield during heavy work.
- Easily replaceable polycarbonate visor as standard and chemicals-resistant PETG as an option.
- Can be equipped with peel-offs to give extra protection in the event of considerable splash-back.
- Knob for head adjustment.

SR 540 – Art no H06-0512



IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Neck cover SR 543 protects the back of the head and neck against splashing and similar hazards.	Art no T06-0505
Visor set made of polycarbonate (PC)	Art no R06-0502
Visor set SR 545 made of polyester (PETG)	Art no T06-0502
Peel-off visor SR 542	Art no T06-0501
Face seal SR 546 made of textile	Art no T06-0504
Valve set SR 540, valve cover and exhalation membrane	Art no R06-0505
Sweatband	Art no R06-0504
Breathing hose	Art no R06-0501
Flat gasket for breathing hose	Art no R06-0501



Protective hood, Tyvek© SR 586
Art no T06-0806

HOODS SR 520 AND SR 530

- 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.
- 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.
- Can be equipped with peel-offs or a protective hood (SR 586) against strong splash-backs and similar hazards.

SR 520 M/L – Art no H06-0212

SR 520 S/M – Art no H06-0312

SR 530 – Art no H06-0412



IMPORTANT SPARES AND PRACTICAL ACCESSORIES

O-ring for tube	Art no R06-0202
Valve set for SR 520/SR 530	Art no R06-0201
Sweatband for SR 520/SR 530	Art no R06-0203
Peel-off SR 522 in PETG for SR 520/SR 530	Art no T06-0201
Protective hood SR 586 made of Tyvek© material for SR 520/SR 530/SR 580	Art no T06-0806



HOODS SR 561 AND SR 562

- 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 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.

SR 561 – Art no H06-5012

SR 562 – Art no H06-5112



IMPORTANT SPARES AND PRACTICAL ACCESSORIES

O-ring for hose	Art no R06-0202
Head harness SR 560	Art no R06-5002
Hose for head harness	Art no R06-5003
Sweatband	Art no R06-0504
Replacement hood long (SR 561)	Art no R06-5001
Replacement hood short (SR 562)	Art no R06-5101

SPARES AND PRACTICAL ACCESSORIES. FOR COMPLETE INFORMATION, GO TO SRSAFETY.COM

SR 580 SAFETY HELMET WITH VISOR

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 580 Protective helmet with visor – Art no H06-8012

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Visor	Art no R06 0808
Face seal	Art no R06-0805
Sweatband	Art no R06-0809
Comfort band for neck	Art no R06-0803
Gasket for hose connection	Art no R01-1205
Breathing hose	Art no R06-0810
O-ring for breathing hose	Art no R06-0202
Peel-off SR 582	Art no T06-0801
Heat protection, aluminised, for helmet	Art no R06-0813
Heat protection, aluminised, for neck	Art no R06-0814
Heat protection, aluminised, for neck/throat	Art no R06-0815
Neck and chest protection, Proban	Art no T06-8011



SR 584/SR 580 SAFETY HELMET WITH VISOR AND WELDING CASSETTE

- In addition to breathing and head protection, this equipment also protects the eyes and face during welding.
- With the cassette in the raised position, the helmet's large clear visor may be used as face protection when clearing cinders and grinding.
- Five passive welding lenses are available, from EN 8 to EN 13.
- Supplied with passive welding lens, shade EN10 with dimensions 90 x 110 mm.
- Three types of automatic darkening lenses are available: EN 3/10, EN 3/11 as well as variable 4/ 9-13.
- Face seal made of flame-resistant material.
- Large selection of accessories including flame-retardant hoods, corrective lenses from 1.0 to 2.5 dioptries etc.

SR 584/SR580 – Art no H06-8310

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Automatic welding lens EN 3/10, SR 59005	Art no T06-4007
Automatic welding lens EN 3/11, SR 59006	Art no T06-4008
Automatic welding lens EN 4/9-13, SR 59007	Art no T06-4009
Internal protective glass for automatic welding lens	Art no R06-4009
Protective glass made of polycarbonate	Art no R06-4008
Passive welding lens EN 8-EN 13, SR 59008-SR 59013	Art no T06-4001-T06-4006
Face seal	Art no T06-8012
Welding hood SR 59018	Art no T06-4014
Neck and chest protection, Proban	Art no T06-8011
Protection for breathing hose SR 59021, Proban	Art no T06-4016



SR 587/SR 580 SAFETY HELMET WITH GOLD VISOR EN 5

SR 588-1/SR 580 SAFETY HELMET WITH 2/3 VISOR EN 3

SR 588-2/SR 580 SAFETY HELMET WITH 2/3 VISOR EN 5

- In addition to breathing and head protection, this equipment also protects the eyes and face against heat radiation when performing cutting and lighter welding jobs.
- With the visor in the raised position, the helmet's large clear visor may be used as face protection when clearing cinders and grinding.
- Face seal made of flame-retardant material.
- Large selection of accessories including flame-retardant hoods, neck and chest protection.

SR 587/SR580 – Art no H06-8510

SR 588-1/SR 580 – Art no H06-8610

SR 588-2/SR 580 – Art no H06-8710

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Gold-plated visor SR 587	Art no R06-0824
Visor 2/3, EN 3 SR 588-1	Art no R06-0825
Visor 2/3, EN 5 SR 588-2	Art no R06-0826
Face seal	Art no T06-8012
Welding hood SR 59018, Proban	Art no T06-4014
Neck and chest protection, Proban	Art no T06-8011
Protection for breathing hose SR 59021, Proban	Art no T06-4016
Heat protection, aluminised, for helmet	Art no R06-0813
Heat protection, aluminised, for neck	Art no R06-0814
Heat protection, aluminised, for neck/throat	Art no R06-0815



WELDING SHIELD SR 590

- A lightweight and flexible visor with a raisable welding lens for protection when clearing cinders and grinding.
- Five passive welding lenses are available, from EN 8 to EN 13.
- Supplied with passive welding lens, shade EN10 with dimensions 90 x 110 mm.
- Three types of automatic darkening lenses are available: EN 3/10, EN 3/11 as well as variable 4/ 9-13.
- Face seal made of flame-retardant material.
- Large selection of accessories including flame-retardant hoods, corrective lenses from 1.0 to 2.5 dioptres etc.
- Easily adjustable head harness with holder for ear protectors.

SR 590 – Art no H06-4012

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Face seal	Art no R06-4005
Velcro strip	Art no R06-4006
Welding lens hatch	Art no R06-4002
Passive welding lens EN 8 - EN 13, SR 59008 - SR 59013	Art no T06-4001-T06-4006
Automatic welding lens EN 3/10, SR 59005	Art no T06-4007
Automatic welding lens EN 3/11, SR 59006	Art no T06-4008
Automatic welding lens EN 4/ 9-13, SR 59007	Art no T06-4009
Internal protective glass for automatic welding lens	Art no R06-4009
Spring for welding lens hatch, brace, springs x 2	Art no R06-4004
Breathing hose SR 59022	Art no R06-4010
O-ring for breathing hose	Art no R06-0202
Welding hood SR 59018, Proban	Art no T06-4014
Protection for breathing hose SR 59021, Proban	Art no T06-4016



Constant flow air line respiratory protection equipment

Sundström Safety's compressed air fed breathing protection equipment with continuous flow was developed to protect users working with contaminants that have poor warning properties, or cannot be absorbed in a gas filter, as well as with particularly toxic contaminants. It can be used at all times as an alternative to filter protection for work that is heavy, hot or of long duration.

The air from a compressor is cleaned via a compressed-air line filter unit, SR 99. All our masks, hoods, visors and helmets can then be connected via Sundström Safety's approved breathing hoses.

COMPRESSED AIR FILTER SR 99

Compressed airline filter unit SR 99 converts ordinary compressed air to breathable air. The filter unit consists of:

- A pre-collector with manual or pressure-controlled drain that separates oils, water and coarse particles.
- A regulator with a manometer for adjusting the outlet pressure.
- The main filter SR 292 consists of a suitably well dimensioned carbon part surrounded by two particle filters P3 that remove any remaining particles and vapours/oils from the air.
- Inlet R 1/2", outlet – one with a safety coupling, one plugged. Maximum flow rate of 900 l/min., maximum of three users with Sundström equipment.

SR 99 – Art nr H03-2612

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Gasket set for filter case	Art nr R03-2604
Safety coupling, female 1/2" for extra outlet	Art no R03-2103
Y-coupling (for three users together with R03-2103)	Art no R03-2127
SR 292 Filter cartridge	Art no R03-2001



SR 292 Filter cartridge
Art no R03-2001

AIR HEATER SR 99H

Air heater SR 99H. An electrical heating unit for pre-heating breathable air.

- Mounted after one of Sundström's compressed air line filter unit.
- The air heater can be regulated up to a maximum of 80°C.
- Overheating protection cuts off the current automatically.
- A hose is supplied for connecting the compressed air line filter unit to the air heater.
- For use only with breathing hose SR 359, which is heat-resistant.

SR 99H – Art no H03-2712



COMPRESSED AIR HOSES



Compressed air hose SR 359 of polyester-reinforced EPDM is equipped with CEJN safety couplings for direct connection to Sundström Safety's compressed air line filter unit as well as our constant flow air line respirator. SR 359 is heat and chemical resistant and shall be used with air heater SR 99/H. Available in lengths of 5, 10, 15, 20, 25 and 30 m.

Art no H03-3105/-10/-15/-20/-25/-30



Compressed air hose SR 358 of polyester-reinforced PVC is equipped with CEJN safety couplings for direct connection to Sundström Safety's compressed air line filter units as well as our constant flow air line respirators. Available in lengths of 5, 10, 15, 20, 25 and 30 m.

Art no H03-3005/-10/-15/-20/-25/-30



Compressed air hose SR 360 of polyurethane is equipped with CEJN safety couplings for direct connection to Sundström Safety's compressed air line filter unit as well as our constant flow air line respirators. The hose surface has a coating that offers good protection against sparks, e.g. when welding. Available in lengths of 2, 4, 6 and 8 m.

Art no H03-3402/-4/-6/-8



COMPRESSED AIR LINE ATTACHMENT SR 307

SR 307 compressed air line attachment for simple mounting on Sundström Safety's half- and full masks. Complete with belt, regulating valve and attachment for connection to the masks.

- 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 regulating valve should be 4 - 6 bar.
- A flow meter and warning whistle for temporary and continuous monitoring of the air flow are included.

SR 307 – Art no H03-1412



COMPRESSED AIR LINE ATTACHMENT SR 507

Designed for connection to visor SR 540, hoods SR 520, SR 530, SR 561 and SR 562, helmet SR 580, welding helmet SR 580/SR 584, and welding visor SR 590. Complete with belt, regulating valve and muffled adapter for simple connection to the breathing hose of the face piece.

- Allows changeover between powered-assisted filter protection with loose fitting facepieces and compressed air.
- The air flow is controlled by the regulating valve in the belt to assure a flow rate of between 175 and 260 l/min.
- The inlet pressure of 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.
- Made of a material that does not produce sparks in the case of friction, thus allowing its use in explosive or flammable environments.

SR 507 – Art no H03-0512



SR 90 AIRLINE WITH FILTER BACK-UP

SR 90 airline with filter backup. This consists of a half mask SR 90 (silicone) where the compressed air is led via a hose from the regulating valve into the mask. A suitable filter or filter combination in the mask assures protection in the event of loss of pressure and when moving to and from the workplace.

It can also be used without a filter backup with the aid of the supplied cover, for example under a visor. Complete with regulating valve and belt.

- 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 4 - 6 bar.
- A flow meter and warning whistle for temporary and continuous control of the air flow are included.

SR 90 Airline – Art no H03-1512 M/L

SR 90 Airline – Art no H03-1612 S/M



IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Silencer	Art no R03-1405
Service set (harness SR 363/pre-filter holder/membrane set)	Art no R01-2202
Membrane set (membrane - in x 1, membrane - out x 2, valve cover x 2)	Art no R01-2201
Cover SR 367	Art no R03-1406



SR 200 AIRLINE WITH FILTER BACKUP

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.



SR 200 Airline, PC-visor – Art no H03-1012

SR 200 Airline, glass visor – Art no H03-1212

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Screw cap for plugged front hole.	Art no R03-1005
Cover SR 367 for blocking the filter.	Art no R03-1406

COMPRESSED AIR HOOD SR 63-10

Compressed air hood SR 63-10 consists of a hood in durable fabricreinforced 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 63-10 – Art no H03-0312

IMPORTANT SPARES AND PRACTICAL ACCESSORIES

Hood excl. regulating valve	Art no R03-0314
Hood, bare	Art no R03-0305
Head harness	Art no R03-0322
Repair kit (visor, frame, rubber stud x 8, screws x 2, protective cap, exhalation membrane)	Art no R03-0308
Visor	Art no R03-0308
Rubber stud x 8	Art no R03-0112
Protective film x 3	Art no R03-0105



Escape Hoods for evacuation in the event of fire and/or chemical emission accidents

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 hoods 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 potential 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.

Escape hood SR 76-3 Chem

- To be used in the event of chemical accidents
- The hood is equipped with combination filter SR 299-2 ABEK1-Hg-P3 as standard.
- 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.

For technical data sheet, see srsafety.com

Escape hood SR 77-3 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.

For technical data sheet, see srsafety.com



Work situations



Work situation	Type of pollutant	Type of protective device	Type of filter
Painting/roller application of solventbased paint. Degreasing/washing. Work with adhesives and jointing compounds.	Solvent vapours.	Half mask or full face mask (if the eyes are irritated). Fan unit SR 500 with chosen head top.	Gas filter SR 217 A1/ SR 218 A2 Gas filter SR 518 A2+ Particle filter SR 510 P3 R*
Spray painting with water-based paint/ solvent-based paint in open, ventilated areas. Spraying with weed killers, insecticides, etc. High-pressure washing with additives.	Liquid aerosols (spray) and vapours/ solvent vapours. Liquid aerosols (spray), vapours from organic weed killers, insecticides, etc. and solvent vapours (degreasing).	Half mask or full face mask (if the eyes are irritated). Fan unit SR 500 with chosen head top.	Gas filter SR 217 A1/ SR 218 A2 + Particle filter SR 510 P3 R Gas filter SR 518 A2 + Particle filter SR 510 P3 R
Grinding work (if no gas is emitted). Rock drilling. Chimney-sweeping. Drilling of metals. Turning. Mould spores and other micro organisms.	Particles.	Half mask or full face mask (if the eyes are irritated). Fan unit SR 700 with chosen head top.	Particle filter SR 510 P3 R
Welding.	Smoke and gas.	Half mask. Full face mask with welding shield SR 84.	Gas filter SR 315 ABE1 + Particle filter SR 510 P3 R + Steel net disc SR 336
Work in sewage treatment plants, public baths, etc. Work on acids, such as in etching, pickling, ensilage.	Inorganic gases/vapours and acid gases (chlorine, sulphur dioxide, sulphuric acid, nitric acid, formic acid).	Half mask or full face mask (if the eyes are irritated). Fan unit SR 500 with chosen head top.	Gas filter SR 315 ABE1 + Particle filter SR 510 P3 R Gas filter SR 515 ABE1 + Particle filter SR 510 P3 R
Work with products containing isocyanates i.e. manufacturing of polyurethane (PU) or when heating/burning of PU products.	Gas/vapour or a combination of gas/ vapour and particles (dust, smoke, aerosols).	Compressed air-fed respiratory protective devices or full face mask. Fan unit SR 500 + visir SR 540.	Gas filter SR 315 ABE1 + Particle filter SR 510 P3 R, max 40 hours. Gas filter SR 515 ABE1 + Particle filter SR 510 P3 R, max 16 hours.
Asbestos removal.	Particles in the form of fibres.	SR 200 Airline + compressed air for high levels. SR 500 + SR 200 for lower levels.	Particle filter SR 510 P3 R
PCB removal.	Particles and gases.	SR 500 together with SR 200.	Gas filter SR 518 A2 + Particle filter SR 510 P3 R

*Each gas filter shall be combined with a particle filter SR 510 P3 R.

For further information, visit www.srsafety.com or get in touch with us at support@srsafety.se

Filter recommendations

Substance	CAS-no	Filter	Note
1, 2-Dichloroethane	107-06-2	A	
2-Nitropropane	79-46-9	A	4
2-Propanol	67-63-0	A	
Acetaldehyde	75-07-0	AX	4
Acetamide	60-35-5	A+P3	1, 4
Acetic acid	64-19-7	B	
Acetic anhydride	108-24-7	B	
Acetone	67-64-1	AX	
Acetylchloride	75-36-5	B	
Acetylene	74-86-2	Compr.air eq	
Acrolein	107-02-8	AX	3
Acrylamide	79-06-1	A+P3	1, 4, 5
Acrylic acid	79-10-7	B	
Acrylonitrile	107-13-1	A	4
Adipic acid	124-04-9	P3	
Aliphatic naphta	8052-41-3	A	
Allyl alcohol	107-18-6	A	3
Allyl chloride	107-05-1	AX	5
Allylamine	107-11-9	K	5
Aluminium chloride	7446-70-0	B+P3	1
Aluminium oxide	1344-28-1	P3	
Ammonia	7664-41-7	K	
Amyl acetate	628-63-7	A	
Aniline	62-53-3	K	4, 5
Antifouling paints		A+P3	1
Antimony	7440-36-0	P3	
Antimony hydride	7803-52-3	B	
Aromatic naphta		A	
Arsenic (not arsine)	7440-38-2	P3	
Arsine	7784-42-1	B	
Barium	7440-39-3	P3	
Benzaldehyde	100-52-7	A	
Benzene	71-43-2	A	4
Benzotriazole	95-14-7	A+P3	1
Benzoyl chloride	98-88-4	B	
Benzyl alcohol	100-51-6	A	
Benzyl chloride	100-44-7	B	3, 4
Beryllium	7440-41-7	P3	4, 6
Biphenyl	92-52-4	A+P3	1
Bromine	7726-95-6	B	
Butyl acetate	123-86-4	A	
Butyl alcohol	71-36-3	A	
Butyr aldehyde	123-72-8	A	
Cadmium	7440-43-9	P3	4
Calcium oxide	1305-78-8	P3	
Carbon dioxide	124-38-9	Compr.air eq	
Carbon disulphide	75-15-0	AX	5
Carbon monoxide	630-08-0	Compr.air eq	
Carbontetrachloride	56-23-5	A	4

Substance	CAS-no	Filter	Note
Chlorate		P3	
Chlorine	7782-50-5	B	
Chlorine dioxide	10049-04-4	B	
Chloroform	67-66-3	AX	4
Chloroprene	126-99-8	AX	4
Chromic acid	1333-82-0	P3	4, 6
Cobalt (dust and smoke)	7440-48-4	P3	6
Cresol	1319-77-3	A+P3	1
Cumene	98-82-8	A	5
Cupper	7440-50-8	P3	
Cotton dust		P3	
Cyanide (as CN)	57-12-5	B+P3	1, 3
Cyclohexanol	108-93-0	A+P3	1
Cyclohexanone	108-94-1	A	
Diacetone alcohol	123-42-2	A	3
Diglycidyl ether	2238-07-5	A	3, 6
Dimethyl sulphate	77-78-1	A	3, 4, 5
Dimethylformamide	68-12-2	A	4, 5
Dioxane	123-91-1	A	4, 5
Dust, inert		P3	
EDTA	60-00-4	P3	
Epichlorohydrin	106-89-8	A	4, 5, 6
Ethanol	64-17-5	A	
Ethyl acetate	141-78-6	A	
Ethyl acrylate	140-88-5	A	4, 5, 6
Ethyl bromide	74-96-4	AX	3
Ethyl chloride	75-00-3	AX	4
Ethyl ether	60-29-7	AX	
Ethylene glycol	107-21-1	A	
Ethylene oxide	75-21-8	AX	4, 5
Ethylenediamine	107-15-3	K	3, 6
Ferrous chloride		BE+P3	1
Ferrous oxide (smoke)	1309-37-1	P3	
Fluor	7782-41-4	B	
Fluoride (as F)		P3	
Fluorosilicic acid	16961-83-4	B+P3	1
Formaldehyde	50-00-0	B	4, 5, 6
Formic acid	64-18-6	E	
Freon 113	76-13-1	Compr.air eq	
Furfural	98-01-1	A	
Glutaraldehyde	111-30-8	A	6
Glycolmonobutyl ether	111-76-2	A	5
Glycolmonomethyl ether	109-86-4	A	5
Hydrazine	302-01-2	K	3, 4, 5, 6
Hydrochloric acid	7647-01-0	B	
Hydrofluoric acid	7664-39-3	B+P3	1
Hydrogen cyanide	74-90-8	B	3, 5
Hydrogen peroxide	7722-84-1	Compr.air eq	
Hydrogen selenide	7783-07-5	B	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**.

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	Substance	CAS-no	Filter	Note
Hydrogen sulphide	7783-06-4	B		Phosgene	75-44-5	B	
Hydrogene	1333-74-0	Compr.air eq		Phosphine	7803-51-2	B	
Hydroquinone	123-31-9	P3	4, 6	Phosphoric acid (mist)	7664-38-2	BE+P3	1
Iodine	7553-56-2	P3	3	Phthalic anhydride	85-44-9	P3	6
Isophorone	78-59-1	A		Piperazine	110-85-0	K+P3	1, 6
Isoprophyl alcohol	67-63-0	A		Piperidine	110-89-4	K	
Lead (smoke and dust)	7439-92-1	P3		Potassium hydroxide	1310-58-3	P3	
Maleic anhydride	108-31-6	B+P3	1, 6	Potassium permanganate	7722-64-7	P3	
Mangan	7439-96-5	P3		Propinoic acid	79-09-4	B	
MDI	101-68-8	B+P3	1, 6	Pyridine	110-86-1	A	
MEK	78-93-3	A	5	Selenium	7782-49-2	P3	
Melamine	108-78-1	Compr.air eq		Selenium sulphide	7782-49-2	P3	4
Mercury (vapour)	7439-97-6	Hg-P3	2, 5, 6	Silicon dioxide	14464-46-1	P3	4
Methyl acrylate	96-33-3	A	5, 6	Silver nitrate	7761-88-8	P3	
Methyl alcohol	67-56-1	AX	5	Sodium carbonate	497-19-8	P3	
Methyl bromide	74-83-9	AX	3, 5	Sodium fluoride	7681-49-4	P3	
Methyl chloride	74-87-3	AX	4	Sodium hydroxide	1310-73-2	P3	
Methyl ethyl ketone (MEK)	78-93-3	A	5	Sodium hypochlorite	7681-52-9	B+P3	1
Methyl iodide	74-88-4	AX	4, 5	Sodium perborate	10486-00-7	P3	
Methyl isobutylketone (MIBK)	108-10-1	A	3, 5	Sodium silicate	6834-92-0	P3	3
Methyl methacrylate	80-62-6	A	5, 6	Styrene	100-42-5	A	5
Methylamine	74-89-5	K		Sulfamic acid	5329-14-6	B+P3	1
Methylchloroform	71-55-6	A		Sulfur dioxide	7446-09-5	E	
Methylene chloride	75-09-2	AX	4	Sulphuric acid (mist)	7664-93-9	E+P3	1
MIBK	108-10-1	A	3, 5	TDI	91-08-7	Compr.air eq	4, 6
Monomethylamine	74-89-5	K		Terpentine (oil)	8006-64-2	A	5, 6
Morpholine	110-91-8	A	5	Tetrachloroethylene	127-18-4	A	5, 6
Nickel carbonyl	13463-39-3	Compr.air eq	4, 5	Tetraethyl lead	78-00-2	A+P3	1, 5
Nickel, metal	7440-02-0	P3	4, 6	Tetrahydrofuran	109-99-9	A	
Nitric acid	7697-37-2	B		Tetramethyl lead	75-74-1	A+P3	1, 5
Nitrobenzene	98-95-3	A	5	Toluene	108-88-3	A	5
Nitrogen	7727-37-9	Compr.air eq		Tributyl phosphate	126-73-8	A	
Nitrogen dioxide	10102-44-0	Compr.air eq		Trichloroethane	71-55-6	A	
Nitrogen oxide	10102-43-9	Compr.air eq		Trichloroethylene	79-01-6	A	4
Nitroglycerine	55-63-0	A	5	Tridymite (silicon dioxide)	15468-32-3	P3	
Nitroglycol	628-96-6	A	5	Trimethylbenzene	526-73-8	A	
Nitrous gas		Compr.air eq		Trisodium phosphate	7601-54-9	P3	
Nitrous oxide	10024-97-2	Compr.air eq		Vanadium oxide (dust)	1314-62-1	P3	
Octane	111-65-9	A		Vinyl acetate	108-05-4	A	
Organic peroxides		A+P3	1	Vinyl chloride	75-01-4	AX	4, 5
Oxalic acid	144-62-7	P3		Vinyl toluene	25013-15-4	A	
Ozone	10028-15-6	B		Vinylidene chloride	75-35-4	AX	
p-Phenylenediamine	106-50-3	P3	3, 6	White spirit	8052-41-3	A	
PCB		A+P3	1, 4, 5	Xylene	1330-20-7	A	5
Pentachlorophenol	87-86-5	P3	4, 5	Zinc chloride (smoke)	7646-85-7	P3	
Perchloric acid	7601-90-3	BE		Zinc oxide (smoke)	1314-13-2	P3	
Perchloroethylene	127-18-4	A	4, 5				
Petrol	86290-81-5	AX					
Phenol	108-95-2	B+P3	1, 5				

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



Buy a product - get a system!

The Sundström filter range is well planned and clearly arranged, and are used both with half masks and full-face masks.

In addition, the masks can also be combined with a number of air fed products, protective hoods and other accessories.

Sundström ®
srsafety.com



Head office

Tel: +46 8 562 370 00
Fax: +46 8 562 370 20
Stockholmsvägen 33
SE-181 33 Lidingö
Sweden

Factory

Tel: +46 8 562 370 00
Fax: +46 8 562 370 60
Västergatan 4
SE-341 50 Lagan
Sweden



7 392203 009786
L11-4418 utg 02 ENGELSK 2015