



# FILTERS

Sundström Safety have a range of gas filters, particle filter and combined filter. Choose a suitable filter for your work and environment. The gas filter can easily be combined with a particle filter for protection from both gases and particles.



## 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.

Color code



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

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	
B	Inorganic gases/vapours such as chlorine, hydrogen cyanide and hydrogen sulphide	
E	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 requires 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, 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 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  $> +65^{\circ}\text{C}$ .

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  $> +65^{\circ}\text{C}$ .

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

Gas filter SR 297, Class 1, is designed for use together with Sundström half masks and full face masks. The filter is of type ABEK 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  $> +65^{\circ}\text{C}$ .

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  $> +65^{\circ}\text{C}$ .

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.

\* 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  $\leq +65^{\circ}\text{C}$ .

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



# FILTERS FOR FAN UNIT

## 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 pre-filter 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 diamine. 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 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.

\* 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 filter that is suitable for your work environment. Search by Cas-number or chemical name.

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

