

# YOUR BREATHING OUR EXPERTISE

SUNDSTRÖM COMPETENCE CENTRE [srsafety.com](http://srsafety.com)

## PROBLEM AREA

# Silica dust

Dust containing silica particles is a health hazard, and can be found in many workplaces. Silica dust that is inhaled can cause diseases like silicosis and chronic obstructive pulmonary disease (COPD) which are incurable lung diseases.

It usually takes between 10 and 30 years after exposure to silica dust for silicosis to occur. Very early signs of the disease can be difficult to detect, even on x-rays.

Silica particles are so small that they cannot be seen by the human eye, and at the same time they are noxious for the lungs.

The body cannot eliminate the particles that are inhaled. They are deposited in the alveoli of the lungs and settle in the connective tissue so that the lungs' volume gradually decreases. When the damage becomes more widespread, it is easier to become breathless, even when resting. This also increases the strain on the heart.

### Sundström recommends

The filtering devices listed below for work in which silica dust (RCS) and general construction dust is present or likely to occur.

### SHORTER DURATION

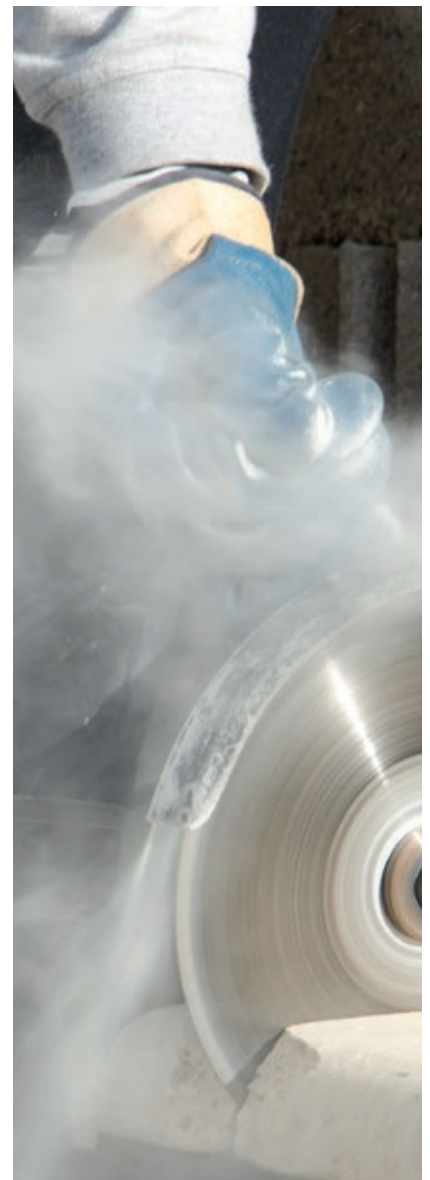
Lower work rate and dust concentrations.  
For users who are clean shaven.



Half mask SR 100 or SR 900  
with particle filter SR 510 P3 R



Basic Pack – a complete respiratory  
protection kit



## LONGER DURATION

Heavier workload and higher dust concentrations.  
For users that are clean shaven and with facial hair, beard or sideburns.



Fan unit SR 700 or SR 500 with particle filter SR 510 P3 R.



SR 580 Helmet with visor or SR 570 face shield with or without bump cap depending on work situation.

