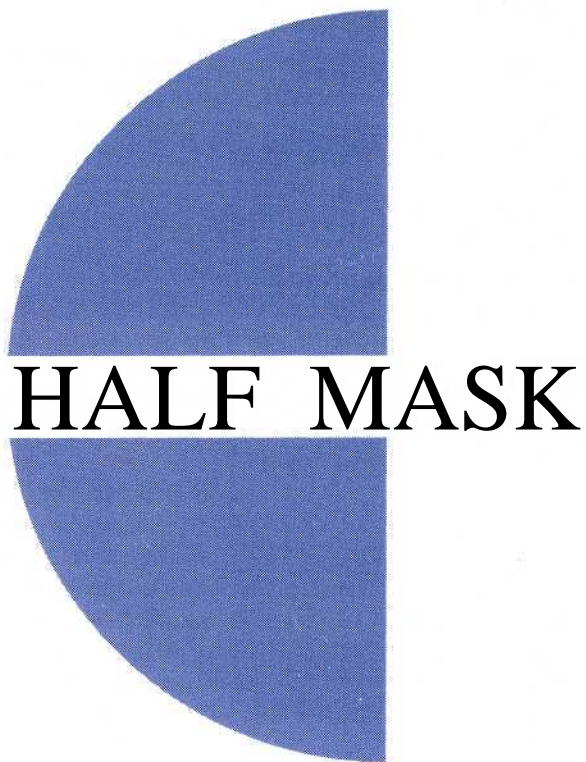
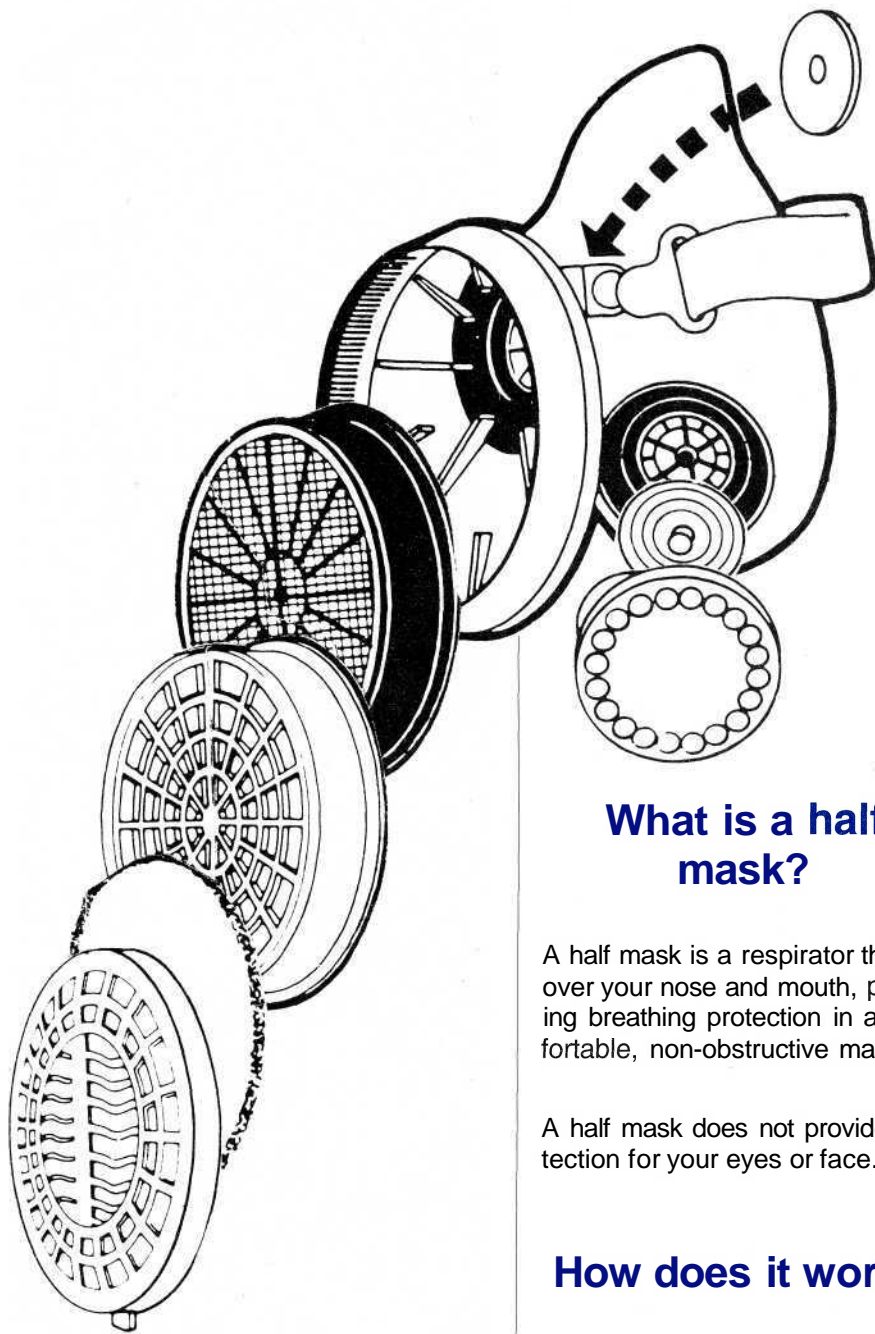


Personal  
Breathing  
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HALF MASK



## What is a half mask?

A half mask is a respirator that fits over your nose and mouth, providing breathing protection in a comfortable, non-obstructive manner.

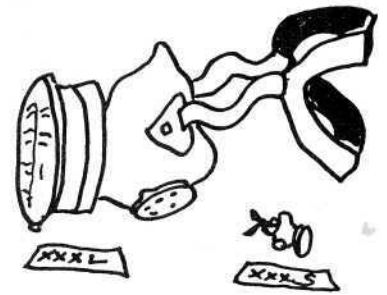
A half mask does not provide protection for your eyes or face.

## How does it work?

The half mask body is made of soft elastomer material. It has a fitting for attaching filters or a supplied air connection. It also comprises an inhalation valve, two exhalation valves, and a head harness for holding the respirator securely against the face.

The sealing rim is designed to prevent air from leaking into the respirator. It is important to keep the rim clean and intact at all times.

The valves (also called membranes) ensure that the air is breathed in through the filter and out through the sides of the respirator, and that no outside air leaks into the mask as you breathe.



## Why are there different types of respirators?

Respirators are made from different **materials**, depending on your work routines and comfort requirements.

*Silicon* masks are made for long-term work where you wear the respirator for most of the time. They are very comfortable, and very soft against your face. In addition, a silicon respirator is largely non-allergenic and causes less perspiration along the sealing rim.

Other materials include *TPE - Thermo-Plastic Elastomers*. The TPE type is a heavy-duty respirator, but is intended for shorter term wear. Nevertheless, a TPE mask provides great comfort and light weight.

All of the above types can be fitted with either gas or particle filters, as well as compressed air attachments. It is important to use the respirator that best suits your purposes and your work routines.

Another consideration is **size**. Although half face respirators are so soft and pliable that they will fit almost anybody, it may be a good idea to try on different size masks, if available. Large-frame people may feel more comfortable — and achieve better protection — with a large size mask. Women workers may prefer a smaller size. The mask size may also influence the wear of other safety equipment, such as spectacles, goggles, ear muffs and face shields or visors.

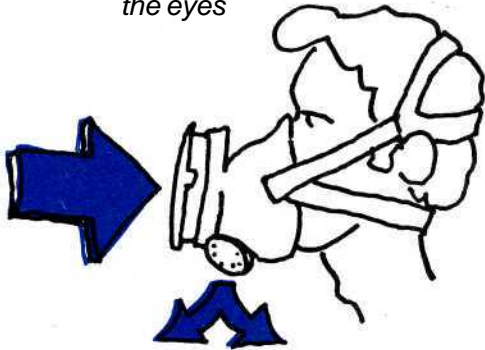
## Where can a half mask be used?

Provided you are using the correct filter, combination filter, or supplied air attachment, a half mask can be used for:

- Nuisance dust
- Harmful dust
- Gas and vapour
- Viruses and bacteria
- Mould and fibre

Half masks should NOT be used:

- in **oxygen-deficient** areas
- in atmospheres that can cause irritation or damage to the eyes



## How to fit a half face respirator:

- Sling the lower neck strap around your neck
- Start with the chin, then cup the mask up and around your mouth
- Hold the mask in position, pull the upper head harness around your head and fit it around the crest of your head

**REMEMBER:** Never **pull** the head harness over a hard hat, ear muffs, goggles, cap or other head gear — the harness must be fitted **DIRECTLY** on your head

## How to check for leakage:

- Fit the respirator properly on your face.*
- Fit a leakage testing disc or a plastic bag over the filter and secure it with the pre-filter holder.*
- Breathe in and hold your breath.*
- The mask should collapse against your face and stay in that position until your breathe out again.*
- If the mask returns quickly to its normal shape, there may be a leakage problem. If so, repeat the leakage test. Should you still have a problem, see your supervisor.*

## How to fit a filter:

- Make sure the filter is turned the correct way (arrow pointing towards the respirator).*
- Place the filter inside the rubber fitting ring of the mask.*
- Ensure that the flange of the filter fits into the groove inside the rubber fitting.*
- Run your finger between the filter and the rubber rim until the filter flange is completely covered.*
- To remove, peel back the rubber rim until the filter is free.*

## Mask maintenance

Only a CLEAN respirator can provide effective protection for your health. The mask should be cleaned and checked after each use — a simple procedure that takes only a minute.

Cleaning may be done with warm soapy water and a soft cloth, or by using Sundstrom's special sterilised hygienic cleaning tissues that keep your mask soft and flexible.

- Remove the filter.*
- Clean the outside of the respirator, checking for cracks and other damage.*
- Pay special attention to the filter rim when cleaning.*
- Wipe the inside of the mask.*
- Clean the face sealing rim thoroughly.*
- Clean any 'nooks and crannies' inside the mask.*
- Remove the protective caps from the exhaust valves. Pull out the valves and wipe clean. Wipe the valve seats before refitting the valves and replacing the protective caps.*
- Pull out the inhalation valve. Clean the valve and the valve seat. Replace. Make sure ALL valves are properly fitted.*
- Put the respirator to your face and draw a few deep breaths to make sure that the valves are in good working order.*



## One user — one mask

Your mask is a personal item. Do not share masks with others, and always store your own respirator in a place where it can't be mixed up with other masks.

### Before fitting the respirator:

- Make sure your face is clean shaven and washed.**
- Check the mask for cracks and other defects.**
- Ensure that the mask is clean and dry.**
- Check that the filter is properly fitted.**
- EH** **Make sure that you are using the correct filter.**
- Perform a leakage test**

## if you have problems...

Let your superior know IMMEDIATELY if:

- you experience any problems breathing through your respirator.**
- EH** **you have troubles wearing the respirator together with other safety gear (hardhat, goggles, ear muffs etc.)**
- EH** **you notice any damage to the mask.**
- the leakage test doesn't work.**
- EH** **you are unsure of use or maintenance of the respirator.**

Call from anywhere in Australia for the cost of a local call

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Use the new SEA FREECALL facility for information on:

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- PELTOR hearing protection
- STOCKHAUSEN skin protection
- INTERSPIRO HPBA SCBA
- TRELLEBORG gas suits
- SEA Chemical Hazards Database (more information)
- PISA computer-based safety administration



### Safety Equipment Australia Pty Ltd

North Shore Business Park  
Unit 35, 1 Jubilee Avenue, Warriewood NSW 2102  
Postal Address: Private Bag 1001, Mona Vale NSW 2103  
Telephone: 02-9910 7500 Fax: 02-9979 5364  
E-mail: seansw@sea.com.au

