

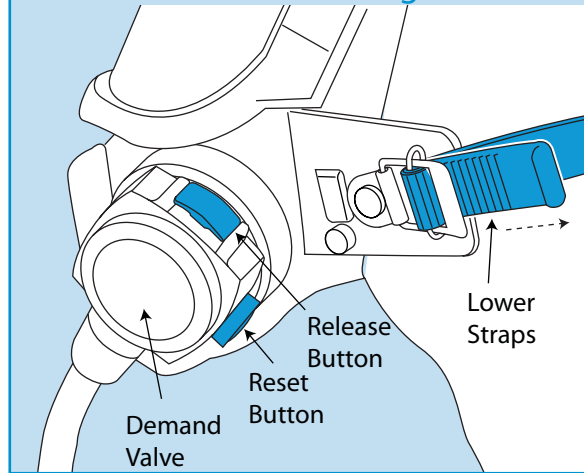


Self Contained Breathing Apparatus

Self contained breathing apparatus, used when working in areas where breathable air is not available.

Code 34I20

Mask and Fittings



will last.

Once in a safe atmosphere, press the reset button on the demand valve and close the air valve on the cylinder.

Remove the mask and replace the cylinder with a fully recharged one.

Contact your local HSS Hire for a replacement unit.

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact your local HSS Hire for advice.

Keep the equipment clean – you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves.

FINISHING OFF

Remove the apparatus as described in basic techniques and give the unit a final clean up ready for return, to your local HSS Hire.

Cleaning

The operator has a duty of care to ensure the equipment is returned clean of any potentially harmful contaminants. Equipment that has not been cleaned will not be accepted back by HSS.

Cylinder Technical Specification

Water Volume	9 Litre
Charging Pressures	207 bar
Free Air Volume	1800 Litre
Nominal Duration*	33 minutes
Warning Period*	12 minutes
Total Duration*	45 minutes
Cylinder Charged Weight	6.75kg
Complete BA Weight	9.75kg
Cylinder Spec	HSE-AL-FW2
* Based on an average male consuming 40 litres of air per minute.	



... have you been trained

The law requires that personnel using work equipment have received adequate training and must be competent when using the equipment within the workplace.

Training is available at HSS Training Solutions

0845 766 7799

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below
e-mail: safety@hss.com

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Web Site: <http://www.hss.com>

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire.

There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

This equipment may be used in a workplace subject to a permit to work, it is the hirers responsibility to ensure that the equipment's technical specification meets the requirements of any such permit to work prior to starting work. For further technical information contact your local HSS Hire.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.

This equipment should be used by an able bodied adult. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Limitations For Use

Persons with facial hair (beard) should not use the unit, as the mask will not make a proper seal.

If you have any doubt WHATSOEVER in this matter, DO NOT use the equipment until you have contacted your local HSS Hire for advice on how to proceed.



Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from your local HSS Hire.

Wear sensible, suitably protective clothing and footwear plus any safety wear appropriate to the work in progress.

Make sure you know how to operate this equipment safely and are aware of its limitations before you use it.

Remember that this equipment does not guarantee life protection but if used correctly it will help provide a safer environment to work in.

Make sure that anyone in the immediate work area is warned of what you are doing.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Hire.

Inspecting The Unit...

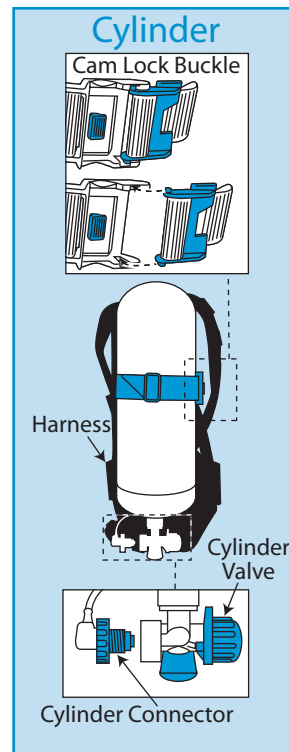
The following safety check must be performed before the beginning of each session of use i.e. first use of the

day, after a coffee or lunch break.

Check the gauge, the dial MUST be between 160 bar and 200 bar. If not the unit MUST NOT BE RELIED UPON and the cylinder must be replaced with a fully charged one.

- Check the mask for signs of damage. Pay particular attention to...
- The lens for cracks and the seal, (the masks lens is grade 1 impact resistant).
- The straps, for damage and correct operation.
- Secure fitting of the demand valve (see GETTING STARTED).

GETTING STARTED



Attach a fully charged cylinder to the harness, place the cylinder onto the back plate of the harness with the cylinder valve pointing down (cylinder inverted) and secure in place with the cam-lock buckle (see illustration).

Next, fit the cylinder connector to the cylinder valve, ensuring the handwheel is firmly tightened. Tightening must only be performed by hand, do not use any tools.

Fit the demand valve to the mask, insert it into the opening on the side of the mask and turn 90° until it clicks in position. The valve should then be able to pivot by 90° without separating from the mask. Fit the harness complete with cylinder to your shoulders, then connect the waist band buckle and

adjust the strap to suit.

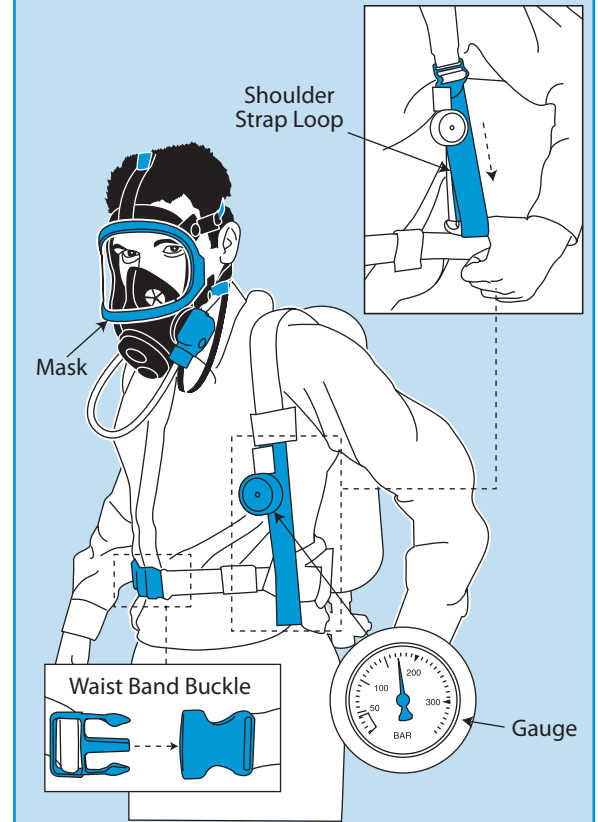
Now adjust the shoulder straps so that the unit is comfortable. Simply hold the loop on each strap, with your thumb and pull down.

BASIC TECHNIQUES

Before you use the equipment, be aware of the time limit of the air supply. An average male will consume approximately 40 litres of air per minute (this will vary depending on body size, work in progress and many other factors).

A fully charged cylinder contains 1800 litres of air and

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would last around 45 minutes @ 40 litres per minute.

Note also that when fully charged, the cylinder pressure is at 207 bar. As the air is used up the pressure will reduce and a warning whistle will sound when the pressure drops to 55 bar and lower.

Upon hearing the whistle, the user has approximately 12 minutes of air supply remaining.

Open the cylinder valve fully (anticlockwise).

Take the mask, hold the lower straps and place your chin into the chin cup on the mask, keeping any hair clear of the face seal.

Pull the straps over your head and tighten in sequence, Bottom, Middle, Top.

NOTE: once the valve is open and the air released, NO AIR WILL ESCAPE until you have taken the first breath. This is because the demand valve has a safeguard mechanism.

Once the mask is fitted, take a deep breath to activate the demand valve.

Try to keep your breathing as normal as possible, the calmer your breathing the longer the cylinder contents