



Sabre Centurion General Installation Instructions

Breathing Apparatus should only be used by trained personnel

WARNING! The following instructions must be carried out as stated to avoid injury or damage to the equipment.

- 1 Fit the cylinder by passing the valve outlet through the cylinder valve boss. Secure connection to cylinder valve outlet, ensuring that hand nut is screwed fully home. Engage cylinder band with cam fastener, rotate wing nut to tighten and fold flat as shown

IMPORTANT:

The apparatus must not be put to use until the following tests have been successfully completed.

- 2 Check that the by-pass valve is closed ie turned fully anti clockwise until by-pass clicks into the OFF position. Close the first breath mechanism by fully depressing the reset button.
- 3 Open cylinder valve slowly, observing the pressure gauge to check that cylinder is fully charged, see cylinder label for correct pressure. Close cylinder valve. Gauge reading should not fall more than 10 bar per minute.
- 4 Open by-pass very slightly to vent air from the system slowly check that the whistle sounds clearly at 45 bar (for a 9 litre cylinder). Allow air to be fully released from the system and close by-pass.
- 5 Fit clean facemask to demand valve first ensuring that quick-fit O-ring is in good order and lightly greased if necessary.

IMPORTANT:

Ensure that demand valve catch is fully engaged into the facemask quick-fit bayonet connection. Rotate demand valve clockwise and anti-clockwise ensuring that the catch peg is retained in the quick-fit slot and that the connection is secure.

- 6 With shoulder straps and waistbelt fully slackened, don the apparatus and adjust the shoulder straps until the cylinder is held snugly on the back. Hang facemask strap around neck.
- 7 Fit waistbelt and adjust as required.
- 8 Check the demand valve is switched off (depress reset button) and by-pass is closed. Turn on cylinder valve slowly. Check cylinder contents by reading pressure gauge.
- 9 With thumbs inside the head harness straps, put chin into mask first and pull straps over head.
- 10 Position mask so that chin fits snugly into chin-cup and then gently tighten head harness, lower straps first. Do not overtighten.

NOTE:

The first inhalation, which will require noticeable effort, will switch the demand valve on. Subsequent respiration will be effortless.





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- 11 Gently lift mask seal away from the cheek and ensure a good outward flow of air from the mask showing the mask pressure is positive. Allow mask to re-seal.
- 12 Close cylinder valve, continue to hold handwheel and breath normally. Check that the whistle sounds at 45 bar (for a 9 litre cylinder).
- 13 When pressure gauge shows zero, and the mask is pulled gently onto the face, hold breath for 10 seconds. Any leakage will be indicated by the mask moving away from the face. If a leak is detected, open cylinder valve, re-adjust facemask and headharness and repeat test.
- 14 If no leak is detected open cylinder valve FULLY and check operation of by-pass by turning red knob on demand valve supply hose clockwise until it clicks into the ON position and check for a good flow of air. Close by-pass.

NOTE:

In addition to opening the cylinder valve FULLY it is important to "NIP" the valve into the fully open position at the end of the thread run.

- 15 With cylinder valve fully opened, check that cylinder is full, breathe normally and proceed.

If any of the above tests fail, make a note of the fault and attach to apparatus. Return the apparatus for servicing.

After Use Instructions

- 1 Switch the demand valve OFF by depressing the reset button.
- 2 Hold breath momentarily. Slacken head harness and remove facemask.
- 3 Close cylinder valve.
- 4 Unfasten waistbelt, slacken shoulder straps.
- 5 Take off apparatus. Release any remaining air in the system by opening the by-pass valve. Return the by-pass valve to closed position.
- 6 Remove cylinder from apparatus and mark as empty for refilling.

