

# Conserving Devices Equipment Guide



Service provided by:

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## The basics

**Important:** Please ensure you read all material given to you by the BOC Technician before using your oxygen equipment. Please follow all guidance regarding not smoking, nor allowing others to smoke near your equipment.

A conserving device makes your oxygen supply last longer. When we breathe, we spend only one third of the time breathing in, with the other two thirds breathing out. An oxygen conserving device works by sensing when you start breathing in, 'turning on' the flow of oxygen and 'turning it off' when you breathe out. Approximately two thirds of oxygen is saved, which dramatically increases the length of time cylinders of oxygen will last. Conservers therefore allow you to use smaller cylinders and increase the length of time you remain mobile whilst on oxygen therapy. They can also reduce the drying irritation which continuous flow oxygen can have on your airways.

If you are supplied with a conserver by your clinician you will benefit by being able to use cylinders of oxygen for longer periods, thus allowing much more flexibility on a day to day basis.

Please note that oxygen conserving devices are deemed unsuitable for children under 9 years old or those unable to activate them. Your clinician will be able to assess you or your child's individual needs.

Face masks are not to be used with a conserving device.



# How to use CHAD Sequoia Oxymatic OM-312

BOC can only supply conserving devices if they have been prescribed by a healthcare professional. Please discuss your needs with your healthcare professional prior to contacting BOC.

Your prescription will detail the conserving setting you require. Check the cylinder contents gauge to ensure sufficient oxygen supply.



1. Connect your cannula to the conserver.



2. Attach the tubing to the conserver.



3. Remove the valve outlet cover.

a) The hinged grey cover is pulled down.

**Do not remove the grey cover and refit after use.**



b) The red cover is removed by pulling towards you. **Retain the red cover to refit after use.**



4. Attach the tubing to the cylinder outlet and push the metal band forward to reveal the green band.



5. Open the cylinder valve by turning the 'open/close' handwheel (located on the side of the cylinder).



6. Set the oxygen flow rate on the cylinder to 4 LPM.



7. Switch on the conserver by turning the thumbwheel selector on the top of the unit to your prescribed flow rate setting.

8. Place a nasal cannula onto yourself or user. **Check the gas is flowing and that there are no leaks indicated by a hissing sound.\***

**\*Note:** If you suspect that you have a leak, turn off the cylinder and check the equipment is properly connected. Turn on the cylinder and recheck for leaks. If the leak continues, turn off and quarantine the cylinder outside the home. Contact BOC on **0800 136 603**.



## After use for CHAD Sequoia Oxymatic OM-312



1. Turn the thumbwheel selector to the OFF position.



2. Remember to close the valve on the oxygen cylinder to avoid wasting oxygen. This valve will have to be opened when oxygen is once again required.

## Changing the batteries on CHAD Sequoia Oxymatic OM-312



1. Pull open the battery compartment cover at the back of the device.

2. Pull out the old batteries using the flexible strip.

3. Place the new batteries inside the compartment, making sure the battery poles correspond to the symbols at the bottom of the compartment. Please note this unit takes a 'C' size battery.

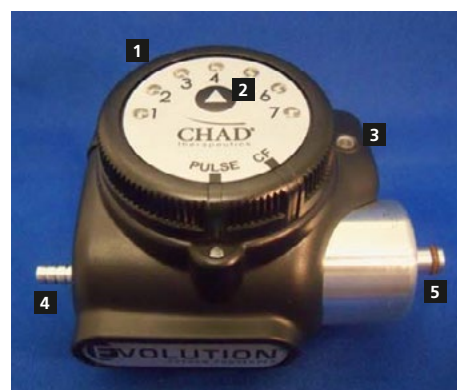
4. Close the battery cover.





# How to use CHAD Evolution™ oxygen conserving device

BOC can only supply conserving devices if they have been prescribed by a healthcare professional. Please discuss your needs with your healthcare professional prior to contacting BOC.



1 Selector Knob, 2 Selector Button, 3 Low Battery Indicator Light, 4 Cannula Connection, 5 Oxygen Supply Connection



1. Check the cylinder contents gauge to ensure sufficient oxygen supply.



2. Attach the tubing to the conserver.



3. Connect your cannula to the conserver.



4. Remove the valve outlet cover.  
a) The hinged grey cover is pulled down.  
**Do not remove the grey cover and refit after use.**



b) The red cover is removed by pulling towards you.  
**Retain the red cover to refit after use.**



5. Attach the tubing to the cylinder outlet and push the metal band forward to reveal the green band.



6. Open the cylinder valve by turning the 'open/close' handwheel (located on the side of the cylinder).



7. Set the oxygen flow rate on the cylinder to 4 LPM.



8. Make sure the conserver is switched to the "PULSE" position. Now switch on the conserver by pressing the selector button in the centre of the selector knob. Keep pressing until the LED light that corresponds to your prescribed setting is illuminated.

9. Place a nasal cannula onto yourself or user.  
**Check the gas is flowing and that there are no leaks indicated by a hissing sound.\***

\*Note: If you suspect that you have a leak, turn off the cylinder and check the equipment is properly connected. Turn on the cylinder and recheck for leaks. If the leak continues, turn off and quarantine the cylinder outside the home. Contact BOC on [0800 136 603](tel:0800136603).

## After-use for the CHAD Evolution™



1. When you no longer require oxygen, please turn off the cylinder valve to avoid wasting oxygen. This will have to be opened again when oxygen is required.



2. Battery-saving technology means there is no OFF switch for the Evolution™ conserver. The unit simply goes into "SLEEP" mode after three minutes of non-use. The unit turns back on when the flow selector button is pressed or an inspiration is detected.

## Changing the batteries on the CHAD Evolution™



1. A blinking red light on the conserver lets you know when batteries are running low and you need to change them. To do so, hold the unit in one hand and gently press down on the battery door to open it away from the unit.



2. Remove the old batteries and recycle through your local services. Alternatively, you can give these to your homecare technician.



3. Insert two new AA batteries in the correct position/polarity. Close the battery cover until a "click" is heard.



# How to use ECOLite 4000

BOC can only supply conserving devices if they have been prescribed by a healthcare professional. Please discuss your needs with your healthcare professional prior to contacting BOC.

This conserver has an automatic mode which will deliver more oxygen during periods of activity, when you naturally begin to breathe faster. Your prescription will detail the conserver setting and this will be pre-set on the device.

1. Check the cylinder contents gauge to ensure sufficient oxygen supply.

2. Attach the tubing to the conserver and connect your cannula to the conserver.

3. Remove the valve outlet cover.

a) The hinged grey cover is pulled down.

**Do not remove the grey cover and refit after use.**

6. Set the oxygen flow rate on the cylinder to 4 LPM.

7. Switch on the conserver by firmly pushing the on/off button on the front of the unit for 2 – 3 seconds.

The unit is now ready for use and will operate at the previous settings indicated.



b) The red cover is removed by pulling towards you. **Retain the red cover to refit after use.**

4. Attach the tubing to the cylinder outlet and push the metal band forward to reveal the green band.

5. Open the cylinder valve by turning the 'open/close' handwheel (located on the side of the cylinder).

## After use for ECOlite 4000



1. Press and hold the on/off button on the front of the unit for approximately three seconds. An audible signal will confirm the unit is switched off.

2. Remember to close off the valve on the oxygen cylinder to avoid wasting oxygen and open the valve when oxygen is once again required.

When the battery power is becoming low, the display screen will indicate 'CHANGE BATTERY'. Follow steps 1 – 4 on the following section.

## Changing the batteries on ECOlite 4000

When the battery power is becoming low, the display screen will indicate 'CHANGE BATTERY'.



1. Pull open the battery compartment cover at the back of the device.

2. Pull out the old batteries using the flexible strip.

3. Place the new batteries inside the compartment, making sure the battery poles are connected correspondingly to the symbols at the bottom of the compartment. Please note this unit takes 2 x 'AA' size batteries.

4. Close the battery cover. Please recycle your batteries through your local services or these can be given back to your homecare technician.

## Notes



If you are visually impaired and require a large print copy, please contact us on

**0800 136 603**

Our normal working hours are Monday to Friday 8am until 6pm.  
We are open 24 hours for emergencies only.

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