

# A Guide to Drive Evolution Oxygen Conservers



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# Getting to Know the Parts of your Oxygen Conserver



- A** Nasal prong connection
- B** Selector dial (Continuous Flow or Pulse)
- C** Setting selector button
- D** Setting display
- E** Low battery light
- F** Cylinder connection

# How to Connect a Conservator



1

Put the cylinder into the bag provided



2

Put the conservator into the bag's pocket, ensure the Velcro straps are secure



3

Connect the coiled tubing to the outlet connector on the cylinder



4

Secure the connection with the tube clamp



5

Connect the end of the coiled tube to the cylinder connection on the conservator



6

Connect the nasal prongs tubing to the connection on the side of the conservator

## Caution

Do not use whilst asleep.

You should only use a conservator when wearing nasal prongs. Conservators will not work with masks.

# Setting Your Oxygen Supply



Put the nasal prongs on



Turn the cylinder's side valve to on/+, if present



Turn the oxygen cylinder onto a flow rate of 4 litres per minute (lpm)



Ensure the selector dial is set to 'Pulse'



Press and hold the setting selector button until your setting lights up



Begin breathing through the nasal prongs

## Caution

Remember that the cylinder must be set to a flow rate of 4 lpm and the conserver set to the setting ordered.

# Turning the Oxygen Supply Off

1. Slowly turn the On/Off valve on the cylinder clockwise to the Off position
2. Turn the dial to CF (Constant Flow) to release any pressure in the tubing
3. Take the nasal prongs off

## Caution

The conserver does not have an on/off switch. The conserver will turn on when it detects breathing and enter 'sleep mode' after three minutes of inactivity.

If the cylinder is being used without the conserver, always remember to set it back to the prescribed flow rate.

# Checking Your Conserver's Battery Power

If the battery becomes low the 'low battery indicator' will flash red.

Always carry spare batteries. If the battery indicator displays low, consider changing the batteries before leaving home. The conserver will be provided with batteries, it is your responsibility to replace them.



# Changing the Batteries

The conserver needs two alkaline AA batteries.

To replace the battery:

1. Remove the Phillips screw that holds the battery door closed (if present)
2. Open the battery cover
3. Safely discard the current batteries
4. Insert replacement batteries, make sure they are the correct way around by matching the + and - symbols
5. Once you have replaced the batteries, close the cover and press firmly until a click is heard
6. Put the Phillips screw back (if present)

**The Philips screw may not be present. In this case skip steps 1 and 6.**

## Caution

Only use alkaline batteries with a conserver.

Please Note: Your oxygen conserver remains the property of Baywater Healthcare and is on loan to the NHS.

# Cylinder Durations Using a Conserver

## Freedom<sup>®</sup> 400 cylinder duration

Flow rate (lpm)	Approximate duration with conserver
1	32 hours 11 mins
2	17 hours 42 mins
3	12 hours 12 mins
4	9 hours 34 mins
5	7 hours 41 mins
6	6 hours 26 mins
7	5 hours 26 mins

## Freedom<sup>®</sup> 300 cylinder durations

Flow rate (lpm)	Approximate duration with conserver
1	23 hours 6 mins
2	12 hours 42 mins
3	8 hours 45 mins
4	6 hours 52 mins
5	5 hours 31 mins
6	4 hours 37 mins
7	3 hour 54 mins

Cylinder durations using a conserver can change depending on the patient's breathing rate and activity.



# Troubleshooting

## Unit does not pulse

Possible cause	Solution
Dead battery	Replace the battery
Battery is the wrong way around	Check the batteries have been put in the correct way around
Cylinder is off	Turn the cylinder on
Cylinder is empty	Check the cylinder and replace if needed
Nasal prongs are blocked or kinked	Remove kinks, clean or replace nasal prongs
Oxygen tube is blocked or kinked	Remove kinks, clean or replace nasal prongs
Nasal prongs or tubing not fitted correctly	Check the nasal prongs and oxygen tube are connected to the correct sides
Unit needs to be reset	Remove the batteries, wait ten seconds then put them back in

## Short battery life

Possible cause	Solution
Non-alkaline batteries used	Replace with alkaline batteries
Batteries are faulty	Replace batteries

(open 24 hours, 7 days a week for urgent calls)

# Notes

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