A Guide to Oxygen Machines

baywater HEALTHCARE
SAPIO GROUP

NHS
Providing NHS services

Contents

Getting to Know the Parts of Your Oxygen Machine **3**

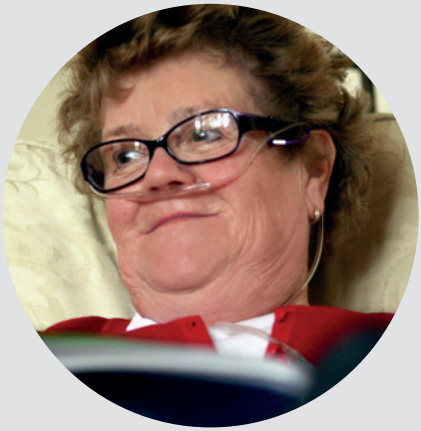
Oxygen Machines **16**

Electricity Refunds **19**

Fixed Oxygen Tubing **20**

Your Emergency Cylinder **22**

Troubleshooting **27**

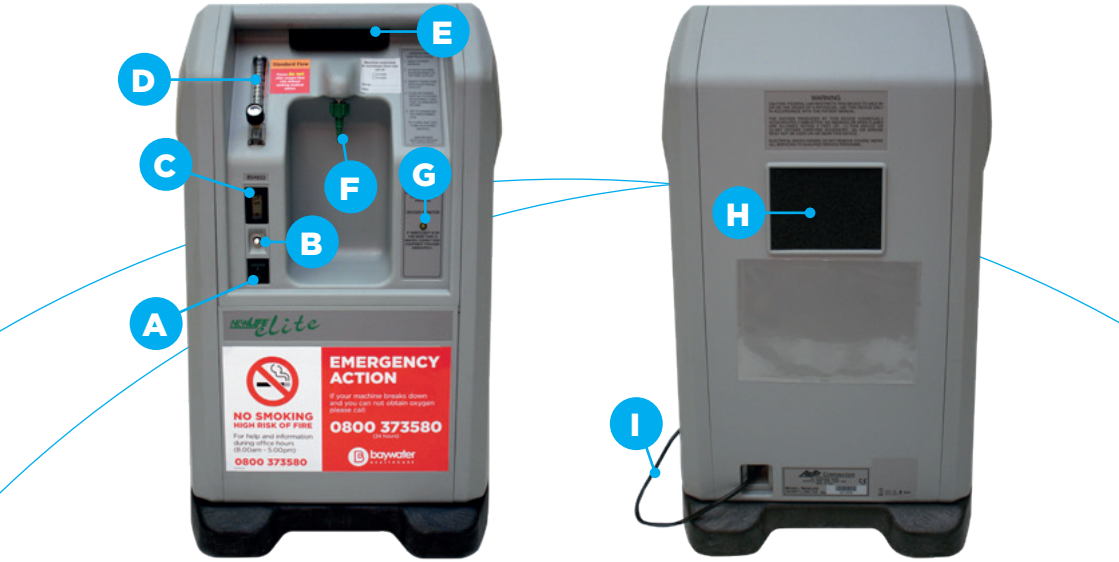


ENHANCING LIVES

Getting to Know the Parts of Your Oxygen Machine

AirSep Newlife Elite

Standard flow range: 1–5 lpm
Low flow range: 0.1–2 lpm
High flow range: 2–8 lpm



A On/Off switch
B Circuit breaker reset
C Hour meter
D Flowmeter/adjustment dial
E Handle grip
F Oxygen outlet
G Indicator light
H Filter
I Power cord

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

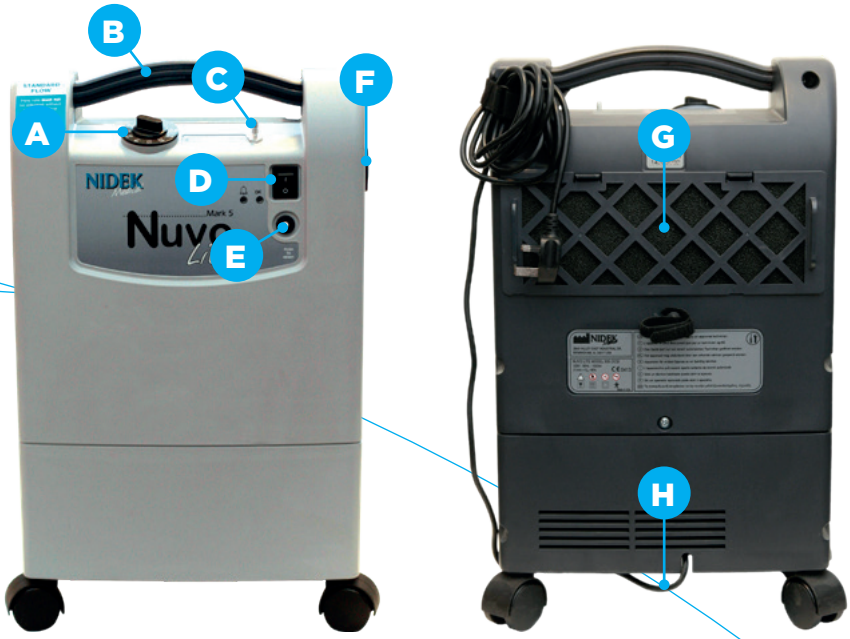
AirSep Visionaire 3

Flow range: 0.5–3 lpm

A Flowmeter/adjustment dial
B Handle grip
C Oxygen outlet
D Hour meter
E Circuit breaker reset
F On/Off switch
G Indicator light
H Power cord

Nidek Nuvo Lite 3

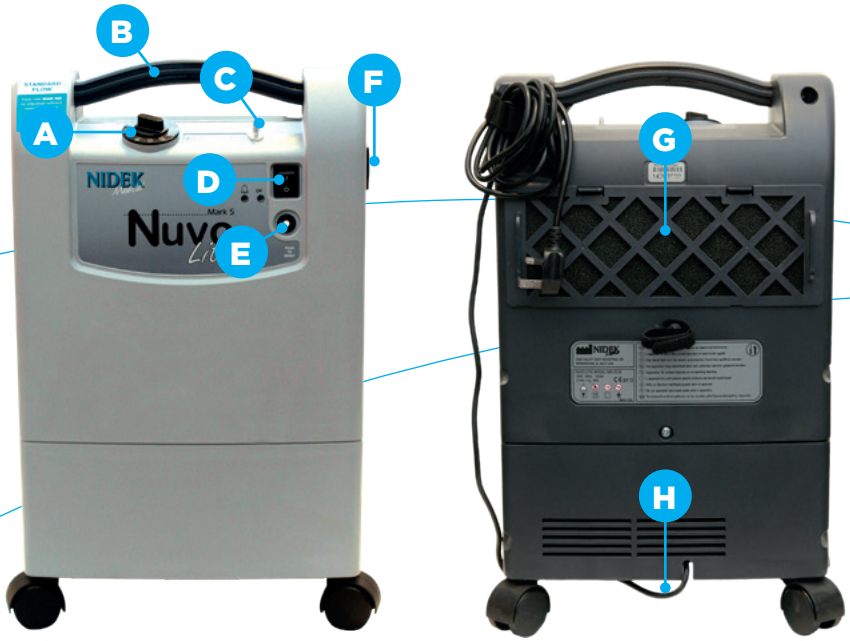
Flow range: 0.125–3 lpm



A Flowmeter/adjustment dial
B Handle grip
C Oxygen outlet
D On/Off switch
E Circuit breaker reset
F Hour meter
G Filter
H Power cord

Nidek Nuvo Lite 5

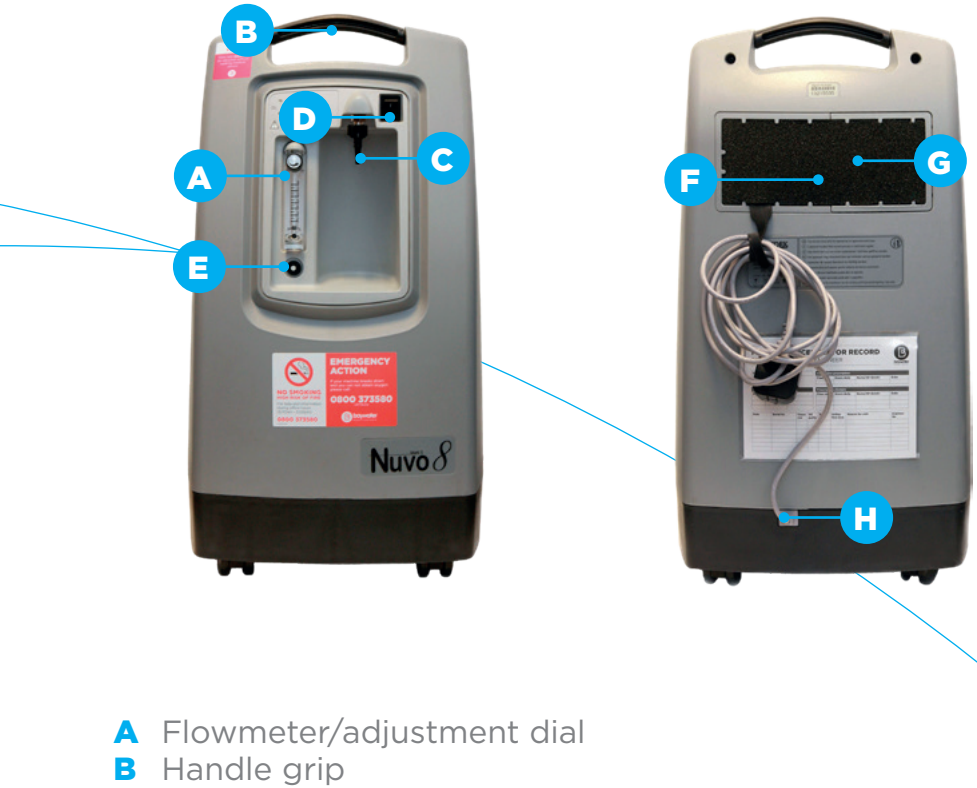
Flow range: 0.125–5 lpm



A Flowmeter/adjustment dial
B Handle grip
C Oxygen outlet
D On/Off switch
E Circuit breaker reset
F Hour meter
G Filter
H Power cord

Nidek Nuvo 8

Flow range: 2–8 lpm

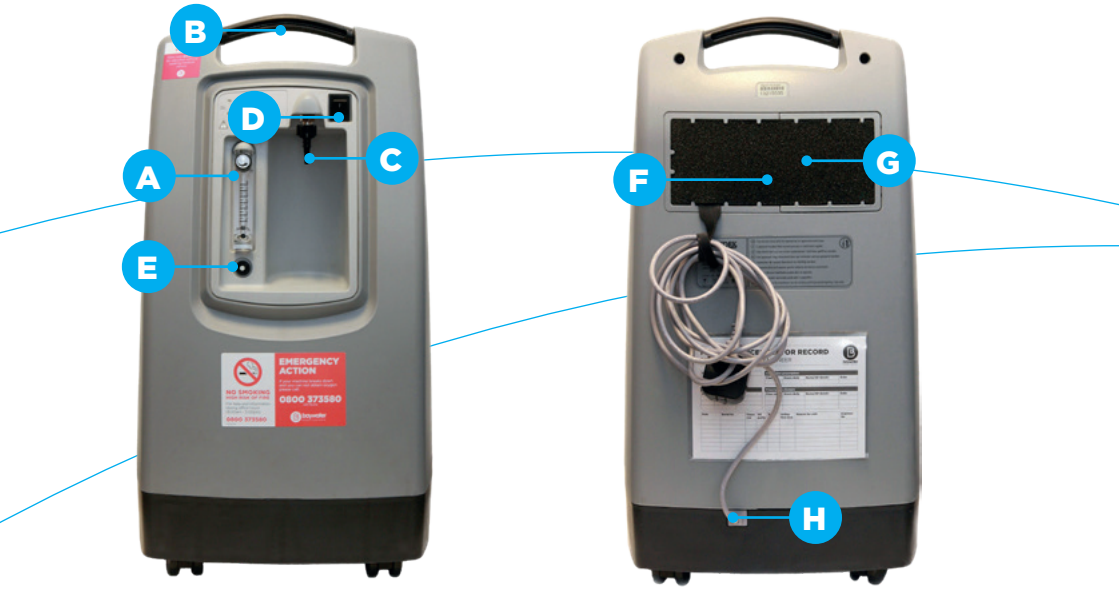


A Flowmeter/adjustment dial
B Handle grip
C Oxygen outlet
D On/Off switch
E Circuit breaker reset
F Hour meter (behind filter)
G Filter
H Power cord

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

Nidek Nuvo 10

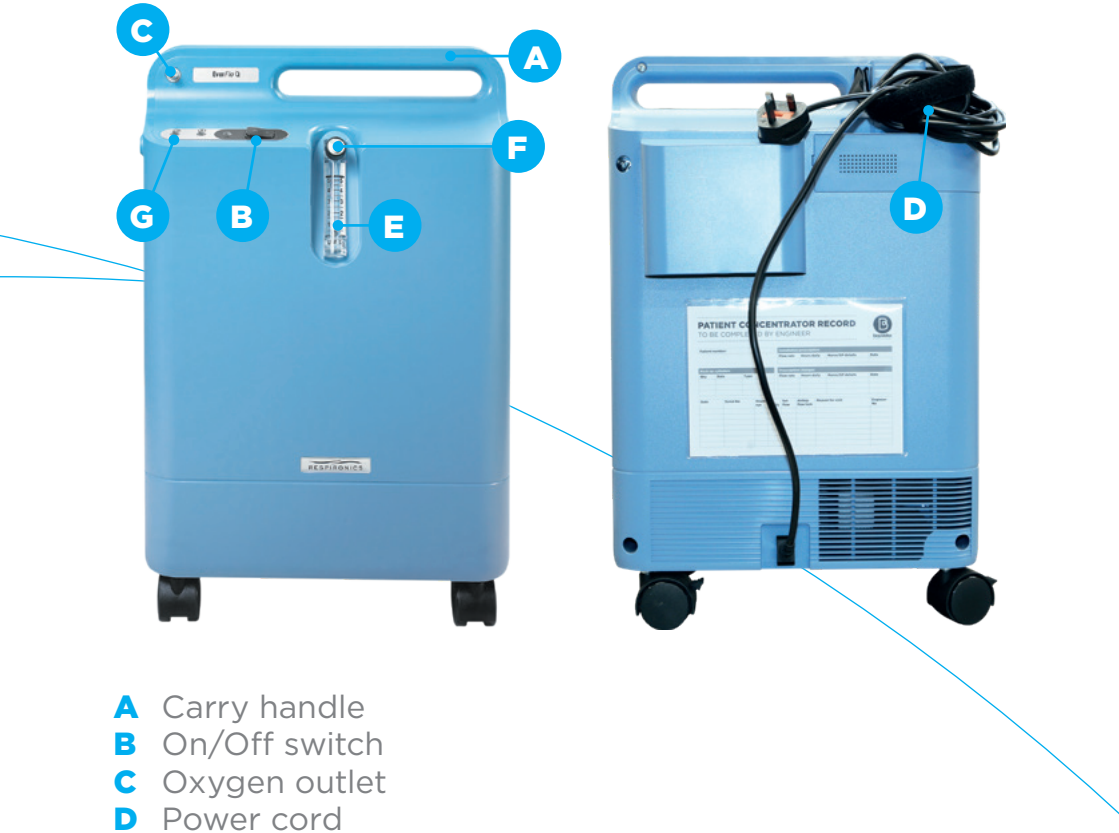
Flow range: 2–10 lpm



A Flowmeter/adjustment dial
B Handle grip
C Oxygen outlet
D On/Off switch
E Circuit breaker reset
F Hour meter (behind filter)
G Filter
H Power cord

EverFlo

Standard flow range: 1–5 lpm
Low flow range: 0.1–1 lpm



A Carry handle
B On/Off switch
C Oxygen outlet
D Power cord
E Flow meter
F Flow control
G Alarm indicators lights

Caution
Never turn the flow rate to greater than 1 lpm on the low flow model. If the ball is above the 1 lpm line, turn the flow back down to the prescribed flow rate.

Respironics Millennium M5

Flow range: 0.1–1 lpm

A Flowmeter/adjustment dial
B Handle grip
C Oxygen outlet
D Indicator lights
E On/Off switch
F Hour meter
G Filter
H Power cord

DeVilbiss

Flow range: 0.5–5 lpm

A Indicator lights
B Handle grip
C On/Off switch
D Flowmeter/adjustment dial
E Circuit breaker reset
F Oxygen outlet
G Hour meter
H Filter
I Power cord

DeVilbiss 10

Flow range: 2–10 lpm

A Indicator lights
B Handle grip
C On/Off switch
D Flowmeter/adjustment dial
E Circuit breaker reset
F Oxygen outlet
G Hour meter
H Filter
I Power cord

Krober

Flow range: 0.1-6 lpm

A Carry handle
B Oxygen outlet
C Power cord
D Dust filter
E On/Off switch
F Display screen
G Flow control and alarm mute button
H No electricity power light
I Servicing flap

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

BMC

Flow range: 0.5–5 lpm

A Oxygen outlet
B Running time
C Indicator lights
D Handle grip
E Flowmeter/adjustment dial
F Filter
G On/Off switch
H Circuit breaker reset
I Power cord

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

Oxygen Machines

Oxygen machines are designed to be used within the home.

You may be supplied with a specific oxygen machine because of the flow rate of oxygen ordered.

The machine will make a slight humming noise when it is in use – a little bit like a fridge.

Your oxygen machine will get warm while operating, but should not become too hot to touch.

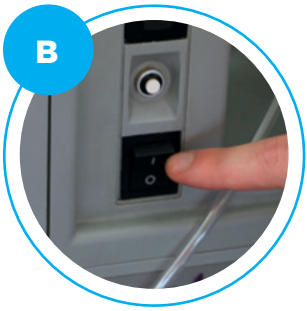
Please Note: Your oxygen machine remains the property of Baywater Healthcare and is on loan to the NHS

How to use the oxygen machine

Make sure the oxygen machine is plugged into a power socket and the socket is turned on (picture A).

Do not plug oxygen machines into faulty wall sockets and wherever possible unplug oxygen machines when they are not in use.

Press the On/Off switch to turn the oxygen machine on. To turn the oxygen machine off, press the On/Off switch (picture B).



The Healthcare Technician will set the oxygen machine to your ordered flow rate. Any changes to this should only be made if recommended by your Healthcare Professional.

If the light flashes or alarm can be heard, please use your emergency cylinder and call Baywater Healthcare.

Oxygen machines need to be located in a position where alarms can be heard, please call us if alarms cannot be heard.

Extra assistance

If the patient using oxygen equipment cannot tell you they are uncomfortable, they may need extra monitoring.

If you or someone you care for has eyesight or hearing problems, you or they may need extra help with the oxygen equipment.

Cleaning the oxygen machine

Your Healthcare Technician will show you how to clean your oxygen machine during installation.

If your oxygen machine has a visible or easily removable filter (including BMC oxygen machines), remove the filter weekly, wash it in warm soapy water, and allow it to air dry. Insert the spare filter while it dries. Please contact us if you do not have a spare filter.

If your machine does not have a visible or removable filter, vacuum the vents on the plastic cover weekly.

Servicing

Our Healthcare Technician will come to service your oxygen machine after three months. Services will then be six monthly.

Do's and don'ts

Do

- Always turn off your oxygen machine when you are not using the oxygen
- Keep your oxygen machine clear of soft furnishings, including sofas and curtains
- Have a torch close by in the event of a power cut
- Keep the oxygen machine upright
- Ensure the flow rate is on the setting ordered by your Healthcare Professional

Don't

- Get too close to flames whilst using your oxygen, a safe distance is three metres away
- Use creams or emollients
- Use a power extension lead
- Restrict air flow around the oxygen machine

Electricity Refunds

When our Healthcare Technician visits to service your equipment, an electricity meter reading will be taken from your machine. The NHS will pay for any electricity that your oxygen machine has used. Please note this payment may vary slightly from the tariff your electricity provider charges. In between services you will receive an estimated payment which is worked out based on the previous payment made.

Please provide your bank details so that we can reimburse your electricity refunds by BACS. If you do not provide these details when your home oxygen is first delivered, we can only backdate your refund for up to two years.

To ensure payments for your electricity, you will need to allow our Healthcare Technicians access to your property to service the oxygen equipment.

You will receive a payment every three months. A statement will be posted to you which shows how much money you will receive. Your payments wil be made into your bank account.

Opting out

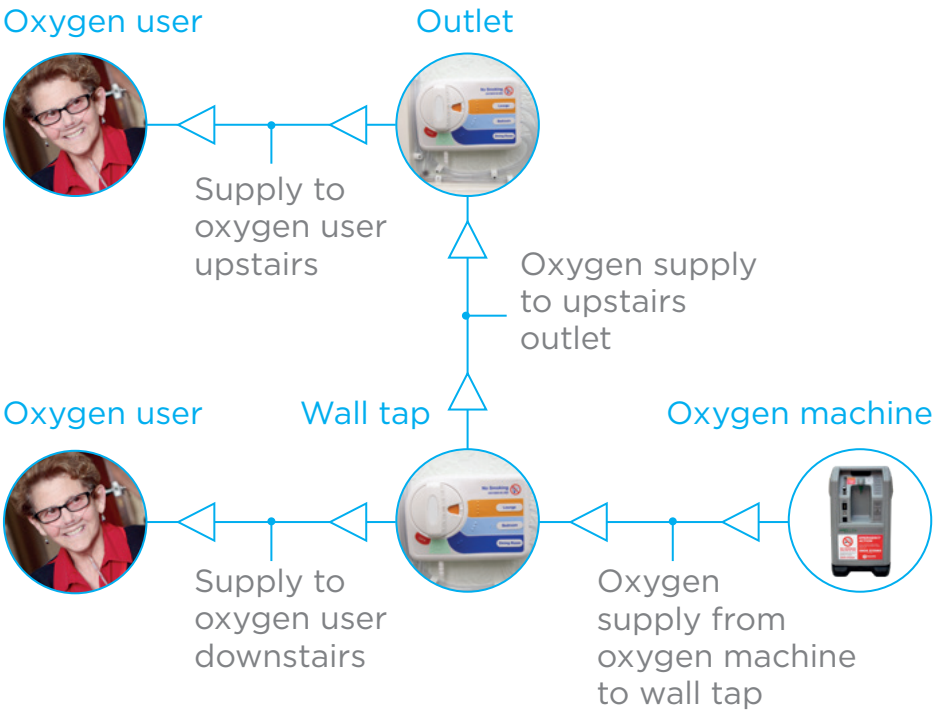
You can opt out of receiving electricity refund payments by speaking to our Healthcare Technician or complete our Electricity Refund Form available here: www.baywater.co.uk/electricity-form/

If you have a long term health condition and you are using a pre-payment electricity meter, discuss this with your Healthcare Professional.

Fixed Oxygen Tubing

You may wish for your tubing to be fixed. This involves connecting clear plastic tubing (5mm diameter) from the oxygen machine to points around your home. This allows you to receive oxygen in different rooms without having to move the oxygen machine, have cylinders placed around your home, or have loose tubing trailing around the house which you could trip over.

Having your tubing fixed helps to reduce the risk of you tripping and falling over. If your needs change and you feel it would be appropriate for you or you would like more information please contact us.



- Our Healthcare Technician will will look to see how tubing can be fixed in your home. They will then talk to you about the best location for your oxygen machine.

- A small plastic box with a dial will be placed on your wall. This will allow you to turn your oxygen on in the rooms that you need it.

- Your tubing will be tacked along your skirting boards and into door frames if required.

- For safety, firebreaks will be fitted in the tubing. **These must not be removed.**

- Our Healthcare Technician will supply you with loose tubing to move about your home and access other rooms such as a bathroom. To make sure you are safe, we will not allow tubing to reach to a cooker in your kitchen.

- Your tubing will be fitted with nasal prongs or a mask depending on the oxygen order.

- Please note that a small hole (10mm) may need to be drilled through your walls to allow for your oxygen tubing to reach the rooms you need to use it in.

10mm

Your Emergency Cylinder

How to use your emergency cylinder

Check the contents gauge to see how much oxygen remains

Check the expiry date has not passed

When setting up the cylinder for use, face it away from your body before turning it on

Attach the oxygen tube to the outlet connector or flow meter (your emergency cylinder should have been set up ready to use during your installation)

Set the prescribed flow rate on the flow selector, this should be clearly displayed in the window

Caution

Cylinders can be used while laid flat but always secure them using the wedge we provided.

Images are for illustration purposes.

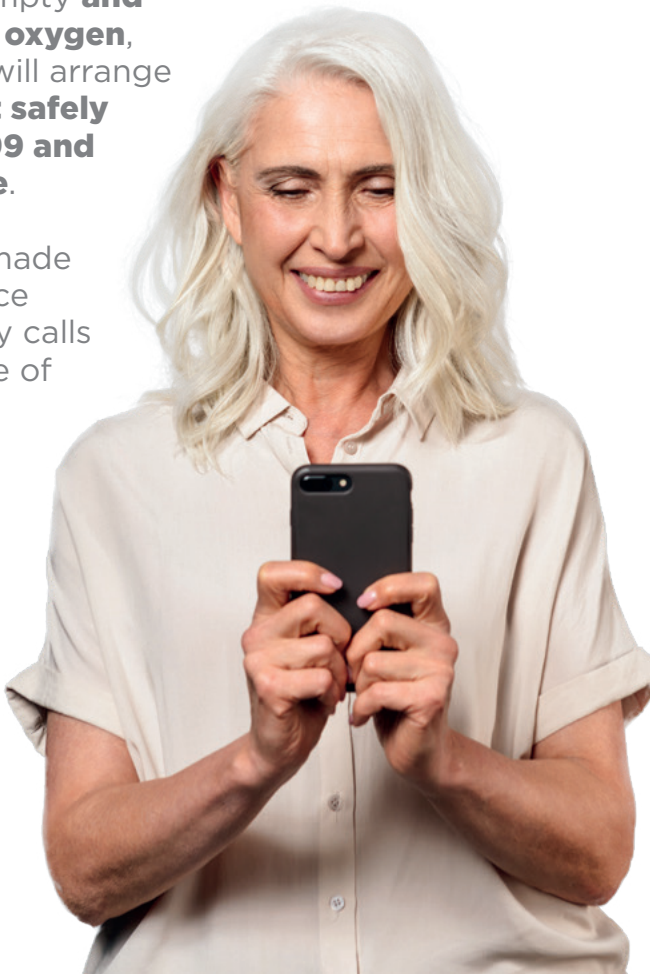
Reordering your emergency cylinder

You must only use your emergency cylinder in the event of a power cut or machine failure. Once you have begun using the emergency cylinder you should call our Healthcare Helpline to arrange for it to be replaced.

Please call us on **0800 373580**, 8.00am-6.30pm every day. We are available 24 hours per day, 7 days per week for emergency calls.

If your cylinder runs empty **and is your only source of oxygen**, please call us and we will arrange delivery. **If you cannot safely wait, you must call 999 and request an ambulance**.

Refill orders must be made during our normal office hours. Only emergency calls will be handled outside of these hours.



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

Emergency cylinder durations

You will have been left with enough emergency oxygen to last at least eight hours. Once you begin using your emergency cylinder you should call our Healthcare Helpline on **0800 373580** so we can arrange to replace it for you.

The following tables provide approximate durations for your back-up cylinder.

B10 cylinder durations

Flow rate (lpm)	Duration
0.5	70 hours 44 mins
1	35 hours 22 mins
1.5	23 hours 34 mins
2	17 hours 41 mins
3	11 hours 47 mins
4	8 hours 50 mins
6	5 hours 53 mins
8	4 hours 25 mins
15	2 hours 21 mins

Caution

Ensure your back up cylinder is kept in a place you can **easily** access in an emergency.

Remember it could be dark if the power goes off during the night. Consider keeping a torch near your bedside.

B10P cylinder with micro flow meter durations

Flow rate (lpm)	Duration
0.01	147 days
0.02	73 days
0.03	49 days
0.04	36 days
0.05	29 days
0.06	24 days
0.07	21 days
0.08	18 days
0.09	16 days

Always ensure your cylinder is set to 'on' when a flowmeter is in use

B10P cylinder with low flow meter durations

Flow rate (lpm)	Duration
0.1	14 days 16 hours
0.15	9 days 19 hours
0.2	7 days 8 hours
0.25	5 days 21 hours
0.3	4 days 21 hours
0.35	4 days 4 hours
0.4	3 days 16 hours
0.5	70 hours
0.6	60 hours
0.7	50 hours
0.8	44 hours
0.9	39 hours

When to use your emergency cylinder

You should switch to your emergency cylinder if you believe that your oxygen supply has failed or you believe it is failing. This can be because:

- The power supply to the oxygen machine has failed
- The oxygen machine has developed a fault
- The tubing is leaking

You should change over to your emergency cylinder and contact us to investigate any problems and replace the emergency cylinder you have been using.

How you can check if you are receiving oxygen

You may not be able to hear or feel your oxygen flowing especially if you use a low flow rate.

You can check the flow by squeezing the tips of the nasal prongs for a couple of seconds and then release them. You will hear or feel the pressure release.

You can remove the nasal prongs or mask and check if the end of the tubing produces bubbles when in water.

Possible reasons you are not receiving oxygen

- The wall tap is switched to the wrong room
- The tubing is damaged, cut or leaking
- The tubing is trapped under furniture or shut in a door
- Your emergency cylinder is empty

Remember that if the oxygen machine is not in the same room, you may not hear any alarms indicating a fault, but you can still check flow at your nasal prongs or mask.

Troubleshooting

What to do if the oxygen machine's alarm sounds

If the alarm sounds after the oxygen machine has been switched on and it doesn't stop after a few seconds, please check the electric socket it is plugged into is switched on. If it is switched on, please switch the oxygen machine off and back on again.

If the oxygen machine continues to alarm:

- Check the filter isn't blocked or dusty
- Check the tubing all the way from the oxygen machine to the nasal prongs or mask to ensure there is nothing laying on it that could be blocking the oxygen flow

If the steps above do not fix the problem, please call us for further guidance.

What to do if no oxygen is being provided

If you use a small amount of oxygen it may feel as if there is no oxygen coming out of the machine.

If oxygen cannot be felt coming from the nasal prongs or mask, first, check that the flow setting is correct on the oxygen machine.

If the flow setting on the oxygen machine is set to zero and you cannot turn it up, call us for further guidance.

If the flow settings are correct, you can remove the nasal prongs and place the tubing into a glass of water to see if bubbles are created, if there are this means oxygen is reaching the nasal prongs or mask. If no bubbles are created please check the oxygen tubing for holes or splits.

If you are unable to resolve the problem please call us for further guidance.

Lights on oxygen machines

Oxygen machines can display lights which can indicate a fault. Call us if your oxygen machine displays the below lights associated with your machine type:

AirSep Elite/Intensity	Blinking or solid amber light
Visionaire 3	Blinking or solid amber light
Nidek 3,5 and 8	Solid amber or red light
Nidek 10	Solid amber light
Everflo	Blinking or solid amber light
DeVilbiss	Solid amber or red light
Krober	Blinking amber light
Millennium M5	Blinking amber or solid red light
BMC	Solid amber or blinking red light

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

Notes

Notes

For more information please contact:

Baywater Healthcare
Wulvern House
Electra Way
Crewe
Cheshire
CW1 6GW

Call: 0800 373580

healthuk@baywater.co.uk

@BaywaterHealth

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