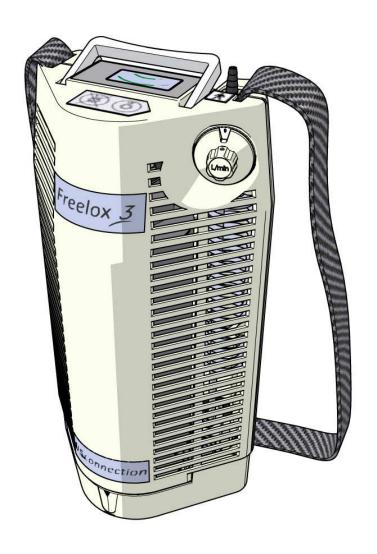


FREELOX PORTABLE

User manual



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This manual complies with Directive 93/42/EC concerning medical devices, as well as with IEC standard 60601-1-11 and IEC standard 60601-1-2:2014 (version 4).

The FREELOX PORTABLE device is only intended for oxygen therapy. For any questions regarding how the device works, please contact your health care provider.

CryopAL

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1. Identity of manufacturer

The manufacturer of the FREELOX PORTABLE medical device is:



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Website: http://www.cryopal.com

2. Safety information

Before using the FREELOX PORTABLE device, please read this manual and the following safety instructions carefully.

2.1. General instructions

These usage instructions must be strictly followed.



Use

The oxygen delivered by this device is intended to improve user comfort and must never be used as life support. This device is not recommended for patients who could suffer harm as a result of an interruption in their oxygen supply. Furthermore, the FREELOX PORTABLE cannot be used for any purpose other than the medical usage prescribed by your doctor.

The device must be kept upright.

If the device is not being used, the level gauge battery must be removed.

In the event of condensation, remove and dry out the FREELOX PORTABLE felt and/or empty the condensate collector.

Equipment

The FREELOX PORTABLE device must only be used with the accessories made available by the service provider.

Before using the device, please refer to the user manual in force for the associated stationary tank.

Ensure that the oxygen tube is not pinched, bent or trapped on the ground by an obstacle (chair, table etc.).

The FREELOX PORTABLE must only be connected to the stationary tank supplied by your service provider and only when it needs to be filled.

Environment

The equipment must be used under normal temperature and pressure conditions (please refer to the *Storage* and handling conditions section).

The FREELOX PORTABLE must not be stored in a hot environment: in a vehicle, avoid placing the device in direct sunlight and open the windows to ventilate the passenger compartment.

Avoid all mechanical impacts, particularly those that could result in the deformation of the outer casing of the FREELOX PORTABLE. At home, do not store the FREELOX PORTABLE device in a passageway, for example. In the event of a severe impact (fall or deterioration), contact your service provider to check the integrity of your device.

The device is classified **IPX2** (protection against dripping water such as rain). It is therefore prohibited to place the FREELOX PORTABLE directly under water (in a shower, for example).

The operation of the level gauge may be affected by the use of devices such as mobile phones, credit card terminals, microwave ovens or defibrillators in the vicinity, or more generally by interference.

This device is not MRI-compatible. Do not enter an MRI room with your FREELOX PORTABLE.

Maintenance

The only handling operations authorised are those described in this manual. Maintenance operations may only be carried out by your service provider (trained, authorised staff). It is prohibited to modify or service the unit. Only trained and qualified personnel are permitted to service this device.

It is strictly forbidden to carry out servicing and maintenance operations on the device when it is being used.

2.2. Warnings related to electromagnetic interference

In order to avoid any risk of interaction with electromagnetic fields that could interfere with the operation of other devices, tests were performed in accordance with the 60601-1-2: 2014 (version 4) standard and the appropriate modifications made. However, other devices may interfere with the operation of the FREELOX PORTABLE's level gauge and vice versa. We therefore advise you to comply with the installation instructions and the precautions to be taken with regard to the electromagnetic compatibility defined in this section.

Important: Medical electrical equipment and systems should not be used or stored with other equipment. If they have to be stored or used in close proximity to other equipment, it is necessary to check that they operate normally in the configuration in which they will be used.

To avoid any risk of potential interference, do not place the device near any other electrical appliance, such as an oven, electric heater, tablet, etc.

WARNINGS

Avoid using this appliance next to or stacked together with other electronic devices, since this may cause the level gauge to malfunction. If this type of use is required, this appliance and the other devices should be observed, to check that they are operating normally.

Although this device complies with the 60601-1-2: 2014 (version 4) standard, a significant electromagnetic disturbance could temporarily disrupt the proper operation of its level gauge and compromise the reading of the device's fill level.

Thus, in order to avoid any events due to these magnetic disturbances that could be detrimental to the patient and the operator (for example, in the event of usage close to AM, FM or broadcasting antennas (at a distance of less than 1.5 km)), the operator and/or the patient are advised to carry out the following preventive measures before leaving home (please refer to section 7.7 for further information):

- Completely fill the FREELOX PORTABLE
- Check that the fill gauge is working properly
- Depending on the prescribed flow rate, take the maximum autonomy into account by referring to table 2 (section 3.2)
- Note the time of departure from home, and check the time regularly.

The use of accessories, transducers and cables other than those specified or supplied by the manufacturer of this device may cause an increase in electromagnetic emissions or a reduction in the immunity of this device and may cause the level gauge to function inappropriately.

RF portable communication devices (including peripherals such as antenna cables and external antennas) should not be used closer than 30 cm (12 inches) from any part of the FREELOX PORTABLE, including the cables specified by the manufacturer. Otherwise, the performance of these devices could be impaired.

For further technical details regarding electromagnetic interference, please contact your service provider.

2.3. Oxygen-related warnings

Risk of an oxygen-rich atmosphere

The system must be placed in a ventilated room to avoid the accumulation of oxygen. Never block the air vents. Do not place on an absorbent surface (such as a carpet or rug). Do not store in a confined space. Do not cover with fabric.

The flow rate selector button on the FREELOX PORTABLE must be in the "0" position when not in use. It must be easily accessible at all times.

Never wear the FREELOX PORTABLE under clothes. Always position the carrying strap on top of a garment to avoid rubbing and skin irritation (risk of inflammation).

In the event of liquid oxygen splashes, change your clothes.

Fire risk

Keep the device at least 20 cm away from any electrical appliances likely to emit heat or sparks.

Keep the device at least 3 m away from flames and any appliance that may generate flames (be careful of ovens, water heaters, stoves, candles, etc.).

To prevent any risk of fire, place the FREELOX PORTABLE at least 1.5 m away from inflammable products such as oil, grease, face creams, solvents, aerosol sprays, etc.

Never lubricate the components of this device.

Smoking is prohibited near the FREELOX PORTABLE.

Note: Oxygen is not a flammable gas, but it does accelerate material combustion.

Risk of cryogenic burns

Do not touch the liquid oxygen or any part of the device that may have been in contact with the liquid oxygen, since liquid oxygen is extremely cold (-183°C). Even when the level gauge indicates that the device is empty, it may still contain oxygen (risk of cold burns).

When filling the FREELOX PORTABLE device, it is advisable to wear cryogenic gloves designed for the handling of oxygen, long sleeves, protective goggles and closed shoes to avoid any risk of cryogenic burns.

2.4. Description of labels





Labels found on the rear casing of the FREELOX PORTABLE

Label found near the user supply point

2.5. Definition of the pictograms

	on or the pictograms		
~	Manufacturer		Category 2 gas
†	BF applied part (degree of electrical protection)	0	Oxidising material
	Please refer to the instructions in the manual	UN 1073	Refrigerated liquid oxygen
	Waste from electrical and electronic equipment	*	Warning: low temperature
IPX2	Protection against dripping water		Warning
CE	CE marking, compliance with Directive 93/42/EC		Smoking prohibited
11	Pi marking, compliance with Directive 2010/35/EC	<u> </u>	Position the product upright
	Naked flames prohibited		Do not lubricate
	Do not touch frosted parts		Ventilate the room
	Temperature limits for using the device	%	Humidity limits for using the device
(Pressure limits for using the device	REF	Product reference code
SN	Serial number		Date of manufacture
	Push-button in the "on" position		Remove the condensate collector for filling
	Insert the condensate collector during use		

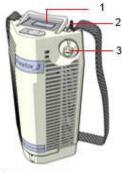
3. FREELOX PORTABLE device

3.1. Presentation of the device

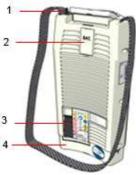
The home liquid oxygen system is made up of a stationary oxygen tank (for example, the FREELOX RESERVE) and a FREELOX PORTABLE portable oxygen tank. These are designed to store oxygen in its liquid state at a temperature of -183°C (liquid oxygen is a cryogenic fluid).

The FREELOX PORTABLE mobility device is a pressurised liquid oxygen tank (0.5L or 1.2L). It is used to continuously deliver a flow rate of gaseous oxygen to a patient, providing him/her with complete mobility and autonomy.

FREELOX PORTABLE device

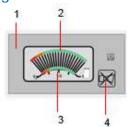


- 1: Level gauge
- 2: User supply point (BF applied part : 1
- 3: Flow rate selector button



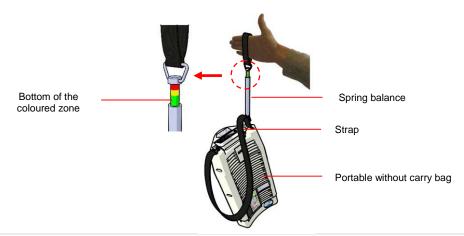
- 1: User supply point (BF applied part : 1)
- 2: Battery compartment
- 3: Vent valve lever
- 4: Condensate collector





- 1: Display
- 2: Liquid oxygen level indicator light
- 3: Battery charge/Operating status indicator
- 4: Alarm mute button

Spring balance level gauge



3.2. Technical specifications

3.2. Technical specific			
Model	FREELOX 0,5L	FREELOX 1.2L	
Medical indication	Oxygen therapy for patients suffering from conditions such as Chronic Obstructive Pulmonary Disease (COPD), heart failure, pulmonary hypertension		
Medical contraindications	Not recommended for life support or organ survival		
Performance	Delivers oxygen at the flow rate prescribed by the doctor		
Service life	10 ує	ears	
Substance transported	ted Liquid oxygen		
Tank material	Stainless steel (tanks), aluminium alloys (customer station), polycarbonate plastic		
Total capacity (L)	0.5	1.2	
Height (mm)	310	380	
Length (mm)	197	197	
Width (mm)	131	131	
Max pressure (bar)	1.45	1.45	
Normal pressure (bar) 1.45 1.45		1.45	
Weight when empty (kg) 1.75 2.2		2.2	
Weight when full (kg)) 2.3 3.6		
Evaporation (in L of liquid/day)	<0.5	<0.5	
Autonomy 24 hrs a day at 2L/min (days)	3 hours	7.5 hours	
Adjustable flow rate (L/min)	0 to 7	0 to 7	
Average cold refilling time (min/sec)	45 seconds	1 minute	
Content indicator	Electronic or with spring balance	Electronic or with spring balance	
Body tissue affected	The upper respiratory tract		
Materials in direct or indirect contact with the user	Polycarbonate, stainless steel, aluminium alloys, felt		
****		NEEL 01/ D0 DT4 D1 E	

Table 1: Technical characteristics of the FREELOX PORTABLE

Autonomy(*)			
Flow rates (L/min) ±10%	FREELOX PORTABLE		
±1078	0.5L	1.2L	
0.25	14 hours	30 hours	
0.5	0.5 10 hours 20 hou		
1	4 hours 30 mins	13 hours	
1.5	3 hours 45 mins	9 hours	
2	2 hours 30 mins	7 hours	
2.5	2 hours 15 mins	5 hours 30 mins	
3	1 hour 45 mins	4 hours 30 mins	
4	1 hour 30 mins	3 hours 30 mins	
5	1 hour 15 mins	3 hours	
6	6 45 mins 2 hours 7 35 mins 1 hour 30 mins		
7			

Table 2: Autonomy of the FREELOX PORTABLE (*) FREELOX PORTABLE filled to 100%. These figures are given for information purposes only.

3.3. Presentation of the FREELOX PORTABLE range

Connection	Version	Product codes	Article name
US	Electronic V3	LF136902	FREELOX 3 PORT. 0.5L US
US	Electronic V3	LF137500	FREELOX 3 PORT. 1.2L US
US	Spring balance	LF137200	FREELOX 3 PORT SPRING BALANCE 0.5L US
US	Spring balance	LF137800	FREELOX 3 PORT SPRING BALANCE 1.2L US
CE	Electronic V3	LF137001	FREELOX 3 PORT. 0.5L CE
CE	Electronic V3	LF137600	FREELOX 3 PORT. 1.2L CE
CE	Spring balance	LF137101	FREELOX 3 PORT SPRING BALANCE 0.5L CE
CE	Spring balance	LF137701	FREELOX 3 PORT SPRING BALANCE 1.2L CE
CE	Electronic V3	LF137400	FREELOX 3 PORT. 0.5 L CE IT (1)
CE	Electronic V3	LF138000	FREELOX 3 PORT 1.2 L CE IT (1)
CE	Spring balance	LF137300	FREELOX 3 SPRING BALANCE 0.5L CE IT (1)
CE	Spring balance	LF137900	FREELOX 3 SPRING BALANCE 1.2L CE IT (1)
US	Electronic V3	LF136900	FREELOX 3 PORT 0.5L US D ⁽²⁾
US	Electronic V3	LF137502	FREELOX 3 PORT 1.2L US D ⁽²⁾
CE	Spring balance	LF120000	FREELOX 3 SPRING BALANCE 0.5L CE ARG ⁽³⁾
CE	Spring balance	LF120100	FREELOX 3 SPRING BALANCE 1.2L CE ARG ⁽³⁾
CE	Electronic V3	LF137000	FREELOX 3 PORT. 0.5L CE BRAZIL (4)
CE	Spring balance	LF137100	FREELOX 3 PORT SPRING BALANCE 0.5L CE BRAZIL ⁽⁴⁾
CE	Electronic V3	LF137601	FREELOX 3 PORT. 1.2L CE BRAZIL (4)
CE	Spring balance	LF137700	FREELOX 3 PORT SPRING BALANCE 1.2L CE BRAZIL ⁽⁴⁾

Table 3: Product codes for the FREELOX PORTABLE range

- (1) : special case for Italy, use of a double barcode for these product codes.
- (2) : special cases for VITALAIRE All, removal of the "Freelox" label on the outer box.
- (3) : special case for the Argentinian market.
- (4) : special case for the Brazilian market.

4. Usage instructions

4.1. Intended use

The FREELOX independent oxygen therapy system is designed to supply medical oxygen to adults and children at a flow rate that can be adjusted in accordance with the medical prescription. It is only to be used under medical supervision. The system is designed to be used both in the home and in hospitals. Based on the principle of the regulated evaporation of liquid oxygen, the FREELOX system provides gaseous oxygen for medical use at a temperature close to the ambient temperature, at a constant, adjustable flow rate, from liquid oxygen stored in insulated tanks of various capacities.

4.2. Expected performance

The performance expected of this device is to:

- Provide a prescribed constant oxygen flow rate
- Be filled from any type of oxygen therapy tank equipped with a compatible male connector, design and operating pressure

Continuous operation is around a few hours (see table 2 in section 3.2).

4.3. Device service life

The FREELOX PORTABLE device has a service life of 10 years, with an inspection of the relief valves after 5 years.

4.4. Contraindications

Anyone who does not have a medical prescription requiring oxygen therapy treatment.

The use of the FREELOX PORTABLE oxygen therapy system is not recommended for life support.

4.5. Potential side effects

Side effects observed:

- Dryness of the nasal and/or eye mucous membranes
- Hypercapnia (excessive carbon dioxide levels in the blood plasma)
- Burns or fire

5. Materials used

Materials in direct or indirect
contact with the user

Polycarbonate, stainless steel, aluminium alloys, felt

Table 4: Materials in the FREELOX PORTABLE range

6. Storage and handling conditions

6.1. Storing the FREELOX PORTABLE

The FREELOX PORTABLE device must be stored in an upright position. Storage in any other position may damage the device.



The device must be kept upright.

Do not store in a confined space. Do not cover with fabric.

The FREELOX PORTABLE must not be stored in a hot environment: in a vehicle, avoid placing the device in direct sunlight and open the windows to ventilate the passenger compartment.

- Ambient temperature: -40°C to 70°C
- Relative humidity: 0% to 95% without condensation
- Atmospheric pressure: 700hPa to 1,060hPa

6.2. Handling the FREELOX PORTABLE

Liquid oxygen is stored at -183°C, so it is very cold. It is essential to comply with the following safety measures.

Safety measures

Never touch the cold or frosted parts of the device. Liquid oxygen and its vapours are extremely cold: risk of frostbite (lesions identical to burns).

The FREELOX PORTABLE must always be in an upright position and in a ventilated room or area. The device will continuously release gaseous oxygen even when not in service.

Do not place the equipment near a source of heat. Please refer to section 2.

Never modify the equipment. For further information, please contact your service provider.

Never wear the FREELOX PORTABLE under clothes. Avoid wearing clothes or shoes made from synthetic fibres. Always position the carrying strap on top of a garment to prevent rubbing and skin irritation.

When filling the FREELOX PORTABLE device, it is advisable to wear cryogenic gloves, long sleeves, protective goggles and closed shoes to avoid any risk of cryogenic burns.

Do not refill the FREELOX PORTABLE or change the battery while the device is in use.

What to do in the event of an incident

In the eyes: wash with plenty of warm water for at least 15 minutes, then call a doctor.

On the skin: Do not rub and wash thoroughly. Remove or loosen clothing if necessary. Defrost the affected areas by heating moderately (with warm water, for example) then call a doctor.

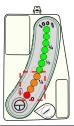
Climatic conditions

Operating temperature: -10°C to 40°C Operating relative humidity: 15 to 95%

Operating atmospheric pressure: 700 to 1,060 hPa

7. Preparing and starting up the FREELOX PORTABLE

7.1. Preparing the equipment

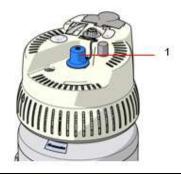


Check that the remaining oxygen level shown on the RESERVE's level gauge is greater than or equal to 1/4. If the level is lower than 1/4, **do not fill** the FREELOX PORTABLE, in order to avoid any problems related to the filling of the FREELOX PORTABLE.



Before filling, insert your finger into the opening (3) and remove the condensate collector (2) located in the lower part of the FREELOX PORTABLE, along with the felt (1) it contains.

Rinse, wring and dry the felt (1) between each use.



Remove the protective cap (1) from the stationary tank's connector.



Eliminate any traces of moisture on the filling connectors of the stationary tank and the FREELOX PORTABLE using a **clean**, **lint-free cotton cloth** (moisture leads to the formation of frost on the connector and can cause oxygen leaks). Set the FREELOX PORTABLE's flow rate selector button to the **0** position.

When using the FREELOX PORTABLE, as with any oxygen therapy unit, ice will form on some of the components, especially on the heaters located inside the device. When you stop using the FREELOX PORTABLE, the condensate formed by the melted ice is found in or flows into the collector. This phenomenon is normal and poses no risk to the user. The device can therefore be immediately reused.

7.2. Filling the device



Get in position

Once the protective cap has been removed from the stationary tank's filling connector, position yourself in front of the tank, in other words, in front of the condensate collector, in order to protect yourself from the flow of cold oxygen. This will also prevent the oxygen released through the tank's air vents during filling from accumulating in your clothing and posing a potential fire hazard later on.



Position the FREELOX PORTABLE

Line up the green markers found on both the FREELOX PORTABLE and stationary tank (if this is a FREELOX RESERVE). Position and fit the FREELOX PORTABLE **vertically** into the base, as shown in the photo. The FREELOX PORTABLE's female connector must be opposite the stationary tank's male connector.



Press down on the FREELOX PORTABLE

Use both hands to exert vertical pressure on the FREELOX PORTABLE, in the direction of the filling connector, until the FREELOX PORTABLE is fully connected to the stationary tank.



Maintain this pressure using one hand, and with the other hand, open the vent valve lever completely using a moderate amount of pressure.

A low hissing noise caused by the escape of gaseous oxygen will be heard throughout the filling process.





Release the vent valve lever

The FREELOX PORTABLE is full after approximately one minute, when the hissing caused by the escape of gas changes and a thick white vapour is released from the stationary tank's cover.



Activate the ejector

Hold the FREELOX PORTABLE by its top part and push the ejection button.

After disconnection, the gas released from the FREELOX PORTABLE should stop in a few seconds.

While holding the FREELOX PORTABLE upright, put the felt and the condensate collector back in place under the FREELOX PORTABLE. Put the protective cap back in place on the RESERVE's filling connector. Once all these steps have been carried out, leave the device to stabilise for one hour before use.



Warning: after disconnection, do not touch any cold or frosted parts (the connectors on the stationary tank and the FREELOX PORTABLE).



In the event of a liquid oxygen leak after the disconnection of the FREELOX PORTABLE, reconnect the two tanks immediately. After a few seconds, separate them again. If the leak persists, reconnect them and ask the service provider to service the unit. Never attempt to stop a leak by pouring water onto the stationary tank's filling connector.

7.3. Start-up



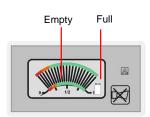


- Connect the cannula to the FREELOX PORTABLE's user supply point (2) and fit them on your face.
- Adjust the flow rate (1) to the value prescribed by your doctor. Make sure that this flow rate adjustment button is always accessible.

Warning: no oxygen is supplied if the flow rate valve (2) is positioned between two numbers ()!

After each use, rinse, wring and dry the felt located in the condensate collector located underneath the FREELOX PORTABLE.

7.4. Checking the fill level



FREELOX PORTABLE equipped with a V3 electronic level gauge (photo opposite):

if the needle is pointing to the green zone, this means that the oxygen level is sufficient. If the needle is close to or inside the red zone, fill the FREELOX PORTABLE.

Comments for the electronic version

The oxygen level shown on the gauge will be incorrect if the FREELOX PORTABLE is in a tilted position. The FREELOX PORTABLE must always be used in an upright position.

The level indication threshold can be programmed by the service provider.

When this threshold is reached, the display flashes and an audible *beep* sounds every minute.

After five minutes, the beep will stop automatically to preserve battery life.



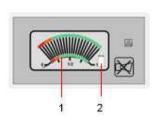
FREELOX PORTABLE without electronic level gauge: A spring balance is built into the strap. You *must* remove the FREELOX PORTABLE from its carry bag and lift the FREELOX PORTABLE using the spring balance (see photo opposite). The level is shown in the last visible coloured zone and can be interpreted as follows: *Red zone*: low level; very little remaining autonomy, depending on the flow rate selection. Filling is essential, as indicated in the *Filling the FREELOX PORTABLE* section. When empty, check that the red zone is only slightly visible (2 mm maximum).

- Yellow zone: medium level. Schedule refilling.
- Green zone: acceptable fill level.

7.5. Stopping the device

The device is stopped by switching the flow rate adjustment button to 0. Ensure the device remains upright.

7.6. Checking the FREELOX PORTABLE battery with electronic level gauge



The indicator bar (1) shows how much battery charge remains. Check the battery charge and make sure that the indicator light (2) is continuously displayed.

7.7. Are you ready to go out with your FREELOX PORTABLE?

- Check the fill level
- Connect the cannula to the oxygen outlet connection point
- Turn the selector button to the prescribed flow rate and check that oxygen is flowing
- Fit the cannula to your face
- Place the FREELOX PORTABLE in the shoulder strap and/or backpack or on the trolley provided for this purpose. Never wear it underneath your clothes, but rather always on top. Always position the carrying strap on top of a garment to prevent rubbing and skin irritation.
- Before leaving the house, check the autonomy of your FREELOX PORTABLE at the prescribed flow rate (Table 2, section 3.2)

8. Travelling with the device

8.1. Travelling by car

When travelling by car (even over very short distances), only the FREELOX PORTABLE is authorised. It is advisable to notify your vehicle and home insurance company.

It is essential to maintain the FREELOX PORTABLE in an upright position at all times to prevent any leakage of liquid oxygen (reduction in the device's autonomy and risk of burns). Place the FREELOX PORTABLE in an upright position, suspended from a head rest and strapped to the back of the seat using a seatbelt or in its trolley (accessory), as shown in the photo below. Remember to open the windows to ventilate the passenger compartment.



Never put it in the boot or in an enclosed space (bag, suitcase, etc.). Keep a window slightly open and do not let anyone smoke.

If it is not used, the FREELOX PORTABLE will naturally empty through evaporation. If any oxygen remains in the FREELOX PORTABLE after an outing, it is advisable to use it so as not to waste it.

8.2. Travelling by public transport

Transporting or using the FREELOX system on public transport (such as buses) may be subject to restrictions. It is advisable to consult the transport company before using the system.

If it is not used, the FREELOX PORTABLE will naturally empty through evaporation. If any oxygen remains in the FREELOX PORTABLE after an outing, it is advisable to use it so as not to waste it.

9. Cleaning and maintenance

- Before using your FREELOX PORTABLE, check that the level gauge is working properly and check the battery charge level (please refer to section 7.6). After each complete fill, check that the level gauge correctly displays the maximum fill level.
- In order to maintain the effectiveness of the shielding and the masses, check that the level gauge is working properly before each use.
- When the device is used in the vicinity of AM, FM or broadcasting antennas, the procedures described earlier in this section must have been complied with as a preventive measure.
- Check the level of the FREELOX RESERVE every day. If it is less than 25% and a delivery is not planned within the next 24 hours, contact your service provider.
- With the exception of the connectors, you can clean your FREELOX PORTABLE using a slightly damp, non-abrasive sponge. Do not use abrasive powder.



The use of acetone, solvents or any other flammable substances is prohibited.

10. Help

If you have a problem with your FREELOX PORTABLE device, please contact your service provider.

10.1. Condensate collector container

If the condensate collector is full, please refer to section 7.1 Preparing the equipment.

10.2. The device has tipped over

Immediately return the FREELOX PORTABLE to its upright position. Be careful not to touch the liquid oxygen or any cold parts, ventilate the area and leave the room for 1 to 2 hours.

If the FREELOX PORTABLE tips over in the car: stop the vehicle, open the windows, switch off the ignition, return it to its upright position and leave the car along with all other passengers. Ventilate thoroughly before setting off again. Do not smoke in the vicinity.

10.3. Splashes of liquid oxygen

In the eyes: wash with plenty of warm water for at least 15 minutes, then call a doctor.

On the skin: Do not rub and wash thoroughly. Remove or loosen clothing if necessary. Defrost the affected areas by heating moderately (with warm water, for example) then call a doctor.

10.4. No oxygen is coming out of the cannula or mask

Check the FREELOX PORTABLE's fill level.

Check that the flow rate selector is in the correct position.

Disconnect and reconnect the tube, cannula or mask.

Check the accessories: for example, bent, trapped or punctured tubing

10.5. Impossible to disconnect the FREELOX PORTABLE from the stationary tank after filling

Use the stationary tank's ejection system. If this does not suffice, wait a few minutes and then try to disconnect the FREELOX PORTABLE again using a rotating movement. As a preventive measure, dry the connectors before connection and put the cap back on.

10.6. Low quantity of liquid oxygen

To check the quantity of liquid oxygen in your device, please refer to section 7.4 Checking the fill level.

10.7. Low battery



If the battery is low:

- Open the battery cover (1) on the battery compartment using a flat screwdriver.
- Remove the battery (2), its connector (3) and the water deflector (4).
- Disconnect the battery and connect a new one (9 V alkaline LR6 battery).
- Put the battery and its connector back in their compartment, taking care to position the deflector over the battery.
- Close the battery cover (1) until it clicks shut.
- On the level gauge, check the battery charge by pressing the test button, and make sure that the light is continuously displayed.

10.8. What to do if your device is not working

If, despite the instructions in this manual, your FREELOX PORTABLE device is still not working:

- Do not panic
- Connect your nasal cannula to your stationary oxygen tank, if it is available, or to a back-up tank.
- Contact your service provider immediately. Their contact details can usually be found in section 13.

11. Accessories



Only Cryopal accessories are approved for use with our devices. The use of different accessories may affect the safety of this medical device, and releases Cryopal from all liability in the event of an incident. The device is no longer covered by its warranty if different accessories are used.

The following accessories are available with your FREELOX PORTABLE device:



The FREELOX backpack makes it easier to take your FREELOX PORTABLE with you wherever you go. You can wear it on your back, across your shoulder, carry it in your hand or hang it on a mobility trolley (class I medical device)

Product code LF120500 –

Backpack 0.5 L

Product code LF120600 –

Backpack 1.2 L



This versatile trolley can be used to transport either the FREELOX PORTABLE inside a backpack or a 0.5m or 1m³ oxygen cylinder. (class I medical device) Product code LF123000



Adult oxygen cannula with curved supply points and 2 m tube (class IIa medical device)

Product code LF121100



4m oxygen tube (class IIa medical device) Product code LF121300



10m oxygen tube (class IIa medical device) Product code LF121500



15m oxygen tube (class IIa medical device) Product code LF121600

12. Disposal

12.1. FREELOX PORTABLE device disposal method

You must never dispose of your FREELOX PORTABLE device with your household waste. If your FREELOX PORTABLE device is not working or you are not satisfied with it, or for any other reason that could make you want to dispose of your device, it must be handed back to your service provider, who will dispose of it in accordance with the 2012/19/EU WEEE Directive.

12.2. Disposal method for accessories

All waste generated by the use of the *FREELOX* system (oxygen cannula or mask, batteries, etc.) must be disposed of through the appropriate waste treatment channels in accordance with the regulations in force. If in doubt, contact your service provider.

Information about your prescription 13.

The FREELOX oxygen therapy system delivers the medical oxygen flow rate prescribed by your doctor. It was designed and manufactured by CRYOPAL in Bussy Saint Georges, France. It has been given to you by your service provider, whose address is provided below. It comprises a RESERVE tank and a PORTABLE tank, which you can fill from the RESERVE for use when travelling. If you have any questions, please contact your service provider.

If any type of malfunction occurs, only your service provider is qualified to service the system.

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Your service provider	-

