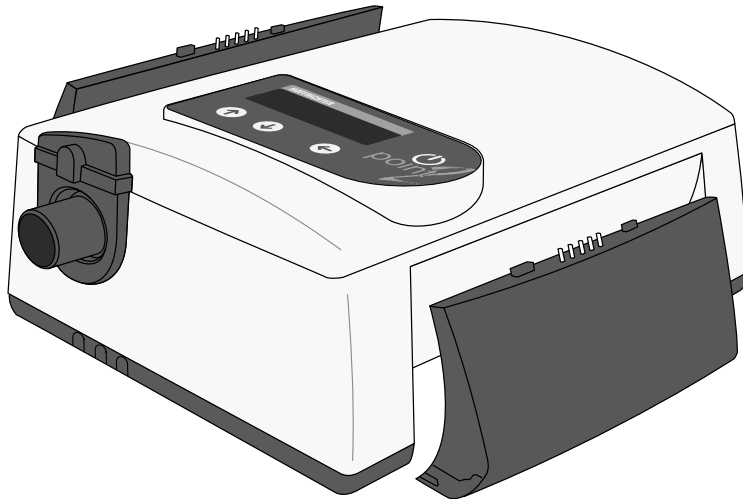


HOFFRICHTER
Quality makes the Difference ■■■■



User's manual
Battery packs for point 2

powerpackpoint

SERIAL NUMBER

Every HOFFRICHTER GmbH product is supplied with a serial number for traceability purposes.

Please enter your battery packs' serial numbers here. You will find the serial numbers on the rating plates on the inner sides of the battery packs.

SN/.....

Please always quote the serial numbers for all queries and complaints.

CONFORMITY



The product complies with the requirements of Directive 93/42/EEC.

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GENERAL

INFORMATION ON THIS USER'S MANUAL

Read this user's manual through carefully before using the battery packs for the first time.

Follow the safety and cleaning instructions in particular.

Keep the manual in a safe place close to the battery packs so that you can refer to them immediately if necessary.

SYMBOLS USED IN THIS USER'S MANUAL

Important information is denoted by symbols in this user's manual. Be sure to follow these instructions in order to avoid accidents, personal injury and material damage.

In addition, the local accident prevention regulations and general safety regulations in force in the area of use must be observed.



This symbol denotes general safety instructions. Follow these instructions to avoid accidents, personal injury or material damage.

ATTENTION

This symbol denotes situations that may lead to material damage or damage to the device.

NOTICE

This symbol denotes information, tips and instructions for efficient, error-free use of the device.

SYMBOLS ON THE RATING PLATE



Observe the warning and safety instructions in the user's manual.



BF application part



Protection class II (protective insulation)



CE conformity declaration



Manufacturer



Serial number



Follow the user's manual.



Do not dispose of the device in the household waste. Please contact the relevant customer services department to find out how to dispose of the device properly.

SAFETY INFORMATION

GENERAL SAFETY INSTRUCTIONS



- Only use the battery packs in combination with the point 2 respiratory therapy device. Follow all the specific user instructions for them.
- Do not use the battery packs if they are damaged or not working. In such an event, inform your specialist dealer immediately.
- Do not throw battery packs into water or into fire.
- Do not expose the battery packs to any high temperatures or direct sunlight.
- If not used, pack the batteries in the packaging included.
- Do not try to open the battery packs.



- No modifications may be made to the batteries.
- Keep the battery packs and their contact pins away from metals as a short circuit with the risk of fire may occur.
- The batteries must never be heated to above 60°C (risk of fire and explosion).
- Only charge the battery packs in your point 2 respiratory therapy device in standby mode.

BEFORE COMMISSIONING



- The inside of lithium ion batteries consists of highly aggressive materials.
- Should the operating time of a battery be very short in spite of it being fully charged, the battery is dead and must be replaced.
- It is usual for the batteries to get hot while they are being charged and when they are in use. The permissible ambient temperature is:
 - during charging: +10 °C to +35 °C,
 - in operation: +5 °C to +40 °C,
 - when being stored: -20 °C to +50 °C.
- The lower the ambient temperature is, the longer it will take to charge the batteries.
- New batteries only reach their full capacity after three to four charging/ discharging cycles.
- If you do not know the charge level of the battery packs, charge them completely.

INTENDED USE

The **powerpackpoint 2** consists of 2 lithium ion battery packs and is intended as an independent power supply for use with the point 2 respiratory therapy device. The point 2 is a respiratory therapy device for treating obstructive sleep apnea syndrome (OSAS) in patients weighing more than 30 kg.

Range of application for **powerpackpoint 2**:

1. Travel mode

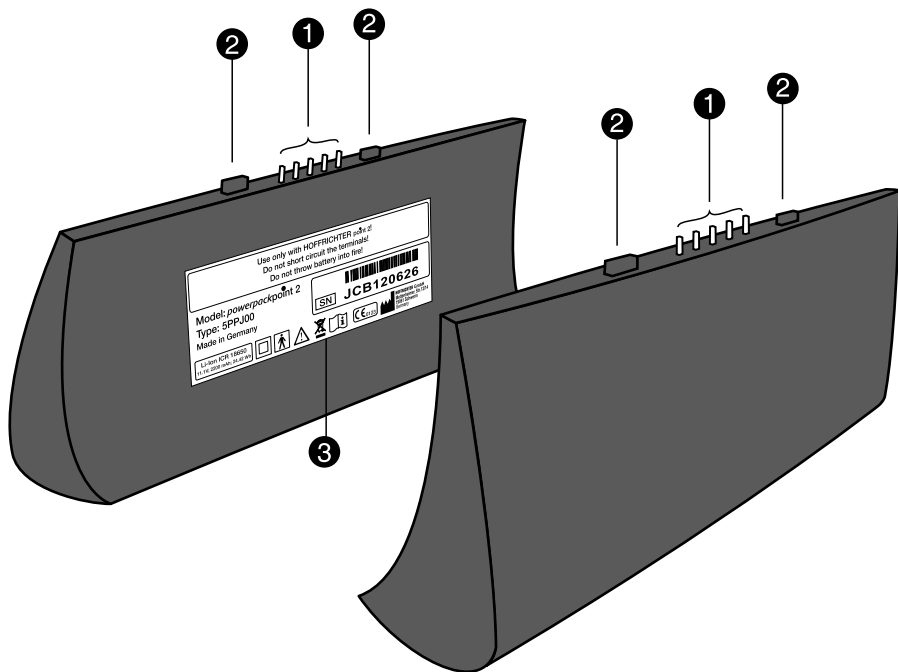
In travel mode, the point 2 uses the battery packs as its sole power source. The battery capacity allows the device to be used for approx. 8 hours (at 8 hPa, 12 bpm, 500 ml tidal volume). After this time, the point 2 must be connected to the mains power supply to charge the battery packs (see page 15).

2. Power failure back-up

The power failure back-up guarantees reliable operation without loss of treatment in areas where there are frequent power failures. If the power supply fails, the point 2 switches to battery mode automatically, without any break in treatment. When the power supply is restored, the point switches back to mains power automatically and the battery packs are charged again in standby mode.

BATTERY DESCRIPTION

- 1 Contact pins
- 2 Centring tabs
- 3 Rating plate



FITTING AND REMOVING

FITTING

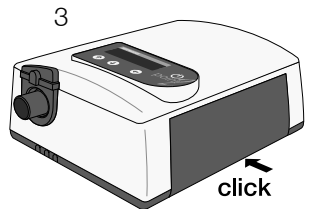
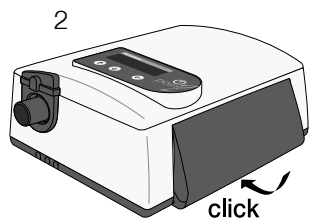
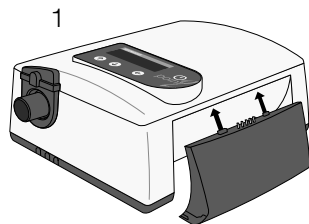
Follow the following steps very carefully:

1. Attach the first battery pack to the side of the point 2. Ensure proper fitting of centering tabs and contact pins.
2. Press the battery pack down onto the point 2 in the direction of the arrow (2) until it locks into place (3).

Fit the second battery pack to the other side of the device.

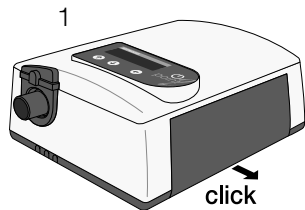
NOTICE

The point 2 will only work without mains power when both battery packs are fitted.



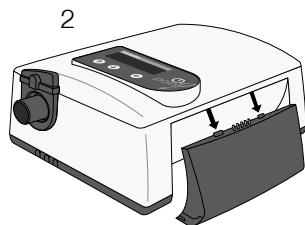
REMOVING

Follow the following steps very carefully:



1. Pull the first **powerpackpoint 2** battery pack on the side of the point 2 outwards until you can feel resistance.
2. Remove the battery downwards from the point 2 in the direction of the arrow.

Remove the second **powerpackpoint 2** battery pack from the other side of the device.



USING THE BATTERIES



- Do not expose the battery packs to any unnecessary vibrations or percussions.
- Only charge the battery packs at ambient temperatures of between +10°C and +35°C. The charging procedure is based on a chemical reaction: Too low a temperature adversely affects the reaction whereas too high a temperature prevents full charging.
- Store batteries in a cool, dry place. Excessively long exposure to high temperatures accelerates the natural discharging process and shortens the service life.
- For storage the optimum charging condition is between 50% and 75%. When storing for an extended period the battery packs should, however, be fully charged every 3 months.

COMMISSIONING

ATTENTION

Before using the point 2 in battery mode for the first time, charge the battery packs fully.

With fully charged battery packs, the point 2 respiratory therapy device can be operated for approx. 8 hours. The actual operating time depends, however, on the parameters set.

NOTICE

The therapy air cannot be humidified in battery mode.






CHARGING THE BATTERIES

To charge the battery packs, attach the packs to the point 2 as described on page 12. Charging begins as soon as the point 2 is connected to the mains and is in standby mode. The charging process is indicated by a flashing battery symbol on the display.



Press ON/OFF!
25.Jan.12 11:45

The charging progress is shown as follows:

-  discharged
-  25 % charged
-  50 % charged
-  75 % charged
-  100 % charged

When the battery packs are completely charged (100%), the battery symbol stops flashing and is shown permanently.

Charging completely empty battery packs takes about 5 hours.

TURNING point 2 ON AND OFF IN BATTERY MODE






Press the ON/OFF key to switch the point 2 on. To switch the device off, press and hold the ON/OFF key for more than 3 seconds.

NOTICE

In battery mode, the point 2 stays in standby mode for 1 minute before turning off automatically.

CHARGE LEVEL INDICATOR

The charge level of the battery packs is shown by a battery symbol on the display:

-  discharged
-  25 % charged
-  50 % charged
-  75 % charged
-  100 % charged



Battery low

When the battery charge is depleted **Battery low** appears on the display. At the same time, a beep sounds and the therapy stops.

Connect the device to the mains supply to charge the battery packs or continue the treatment.

CLEANING

You only need to clean the battery packs if it is necessary. To do this, proceed as follows:

1. Remove the battery packs from the point 2 (see page 13).
2. Wipe the battery packs with a cloth slightly dampened with soapy water. Do not use any other agents!
3. Let the battery packs dry completely.

DISPOSAL



Do not dispose of the battery packs with the household waste.

Please contact the relevant customer services department to find out how to dispose of the battery packs properly.

Proper disposal saves natural resources and prevents the release of harmful substances into the environment.

TECHNICAL DATA

Dimensions (W x D x H)	160 x 36 x 70 mm (per battery pack)
Weight	approx. 300 g (per battery pack)
Operating voltage	11,1 VDC (per battery pack)
Capacity	2150 mAh (per battery pack)
Battery operating time	approx 8 hours (at 8 hPa, 12 bpm and 500 ml tidal volume)
Charging temperature	+ 10 °C ... + 35 °C
Operating temperature	+ 5 °C ... + 40 °C
Storage temperature	- 20 °C ... + 50 °C
Product class according to 93/42/EEC	Ila (only in combination with point 2)
Classification according to EN 60601-1	Protection class II, BF type device

CE marking as per EC directive 93/42/EEC .

The manufacturer reserves the right to make technical changes without notice.

DISCLAIMER

HOFFRICHTER GmbH is not liable for consequences in terms of safety, reliability and performance of the product where:

- interventions, modifications, extensions, adjustments, repairs and maintenance are carried out by persons not authorized by us,
- other manufacturers' accessories and spare parts are used that have not been approved by us for use on the product,
- the product is used other than as described in the user's manual or
- the hygiene and cleaning instructions described in the user's manual have not been complied with.

Statutory guarantee rights remain unaffected by this.

A series of 12 horizontal dotted lines for writing notes.

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