

Quick Reference Guide

iNPWT® Reference Document

iNPWT® intelligent NPWT

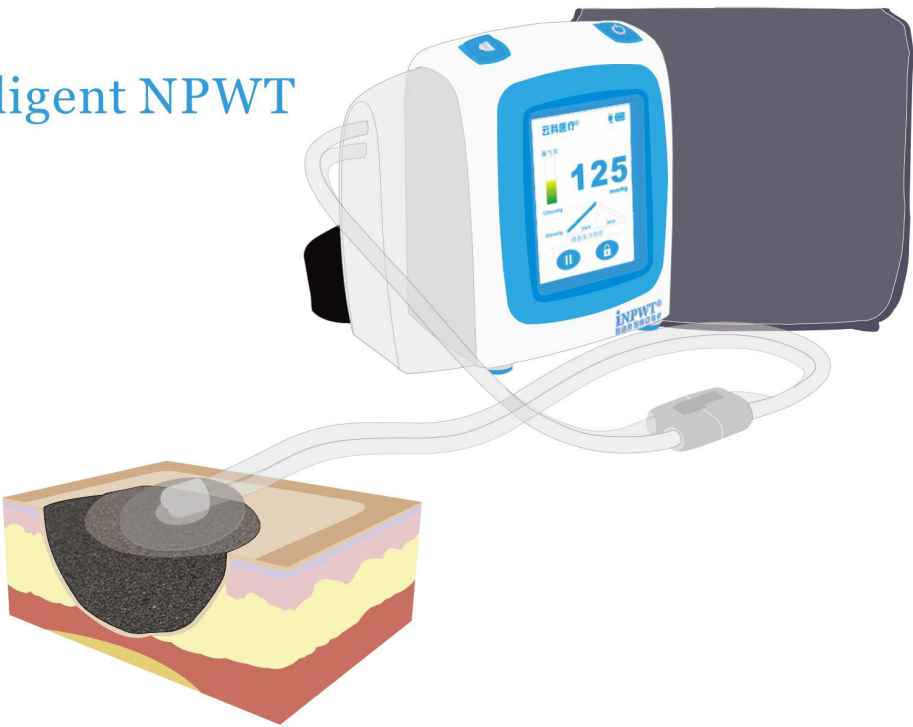


Table of Contents

Installation Operation

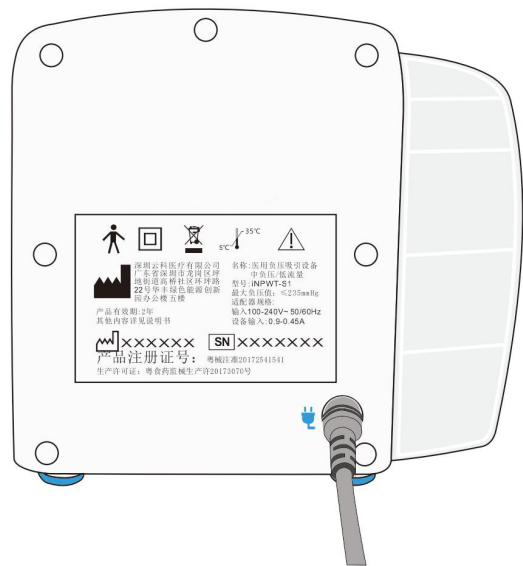
1.Power Installation -----	3
2.Canister Changes -----	3
3.Dressing Application -----	5
4.Connect Canister and Tube Pad -----	11

Equipment Operation

1.On/Off -----	12
2.Set treatment Parameters -----	12
3.Start treatment -----	14
4.Use Carry Bag -----	16
5.System alarms and Related issues -----	17
5.1 Power Information -----	18
5.2 Low Battery Alarm -----	19
5.3 Leak Rate Information -----	20
5.4 Leaking Alarm -----	20
5.5 Wound Pressure Information -----	22
5.6 Blocking Alarm -----	24
5.7 Alarm Mute and Help -----	26
6.Warning -----	27

Installation Operation

1 Power Installation



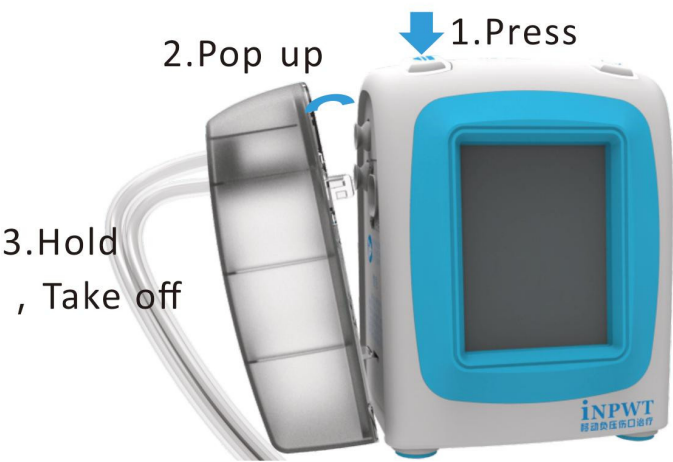
Insert the adapter plug into the slot which beside of the  logo.

2 Canister Changes

Remove the side cover of the device

Install canister





Remove the canister

3 Dressing Application



Ensure appropriate debridement prior to dressing application.Ensure Debriding any devitalized or necrotic eschar tissue.



iNPWT Double tube Pad



PU foam dressing



canister

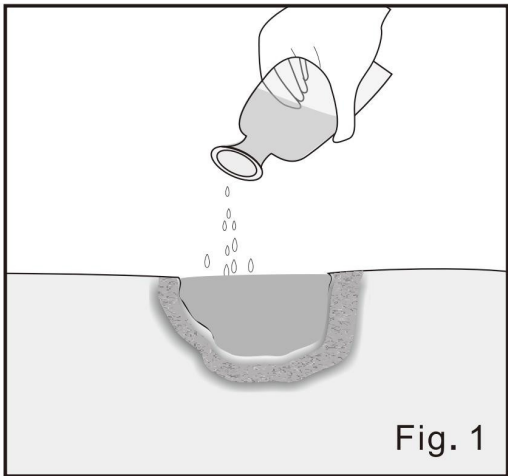


Film Dressing

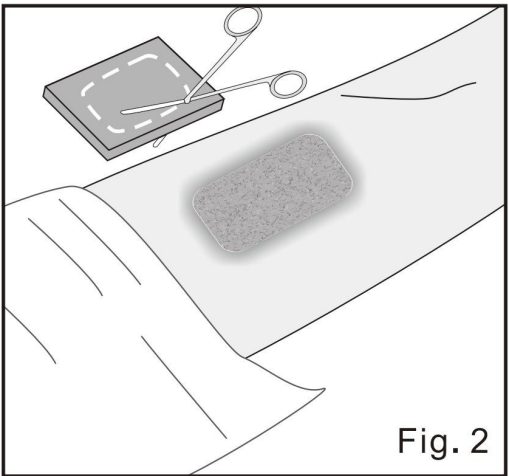
iNPWT® system consumables composition



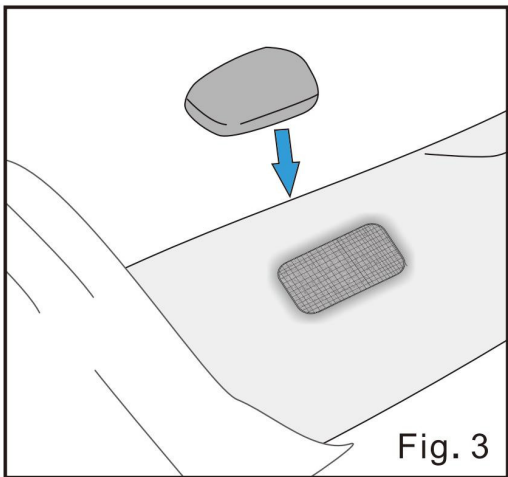
If required, irrigate the wound bed thoroughly with approximately 15ml of normal saline (Fig. 1).Ensure surrounding wound edges are dry,and maintain the wet environment of the wound.



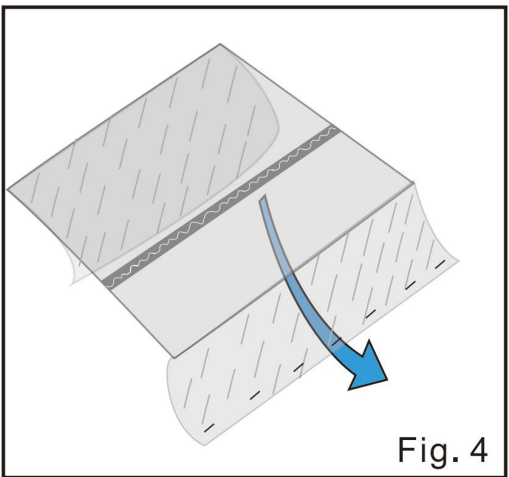
①Debride the wound surface. If required, irrigate the wound bed thoroughly with approximately 15ml of normal saline to maintain the moist environment of the wound.



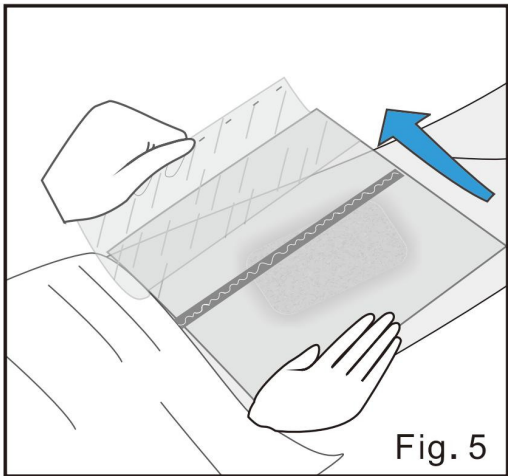
②Cut foam dressing to fit the size and shape of the wound. Foam should completely fill the wound.



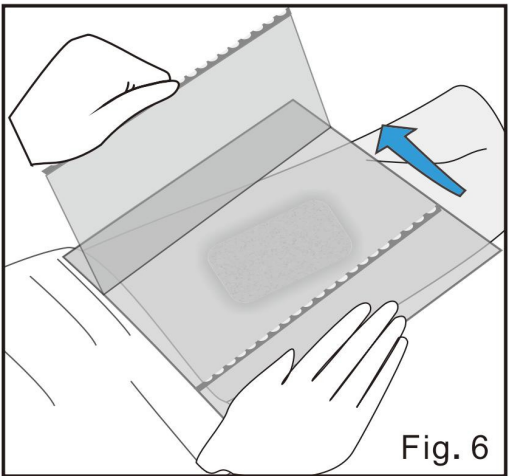
③Place the cut foam into the wound. Avoid over packing. Do not force foam into the wound or place within an unexplored tunnel. It may be necessary to stack pieces of foam in deep wounds.



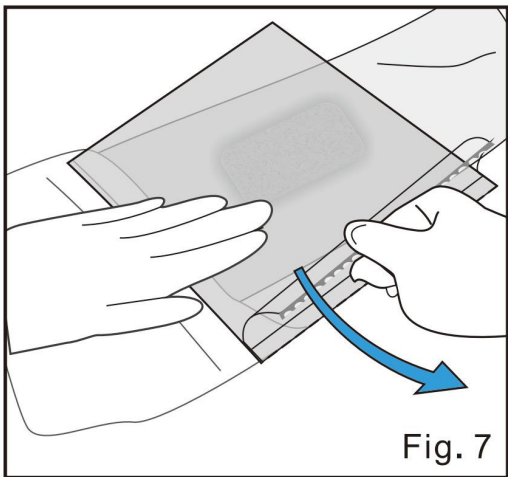
④Remove a part of backing layers of the film dressing, exposing the adhesive.



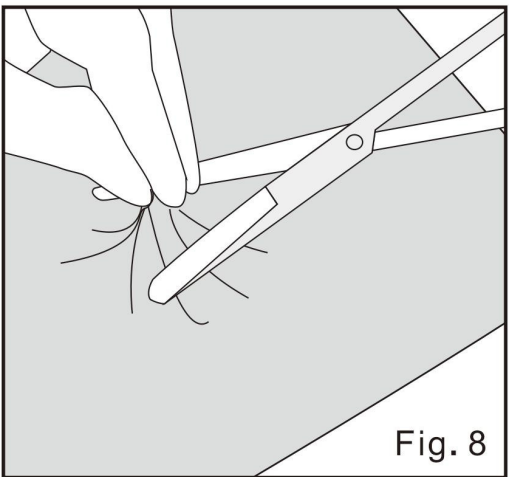
⑤ Apply film dressing over the wound to seal ,then remove the remaining backing layers of the film dressing.



⑥ Remove a upper part layers of the film dressing



⑦ Remove the remaining upper layers of the film dressing. Continue to apply until the foam is completely covered and the wound is sealed.



⑧ Cut a small hole (no less than 2.0cm) in the center of the film dressing, over the foam.

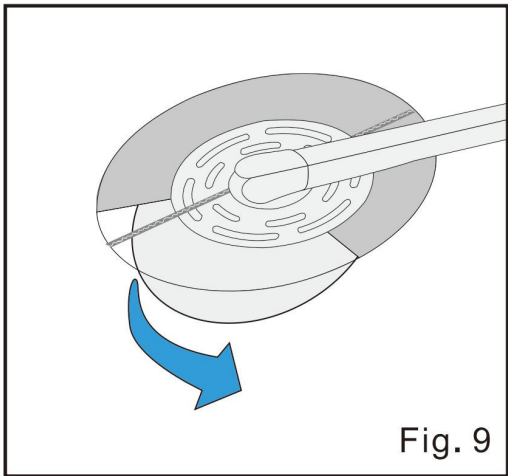


Fig. 9

⑨Remove backing layers from Tube pad.

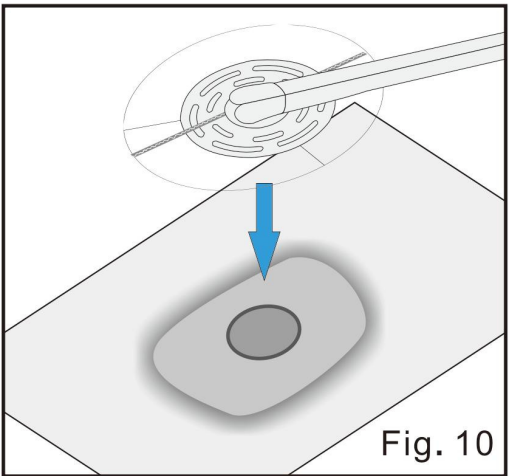


Fig. 10

⑩Place tube pad opening in central disk directly over hole in the film dressing, and apply gentle pressure to ensure complete adhesion of the pad.

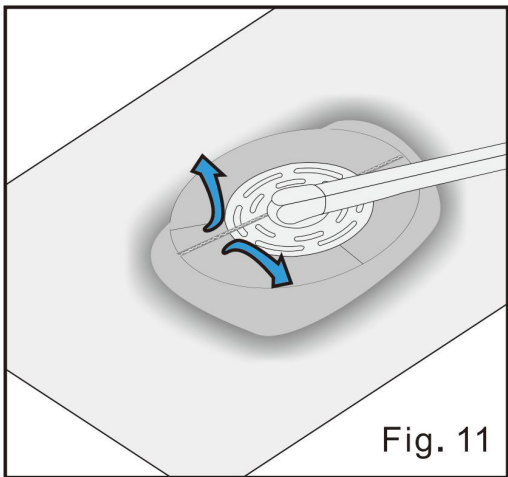


Fig. 11

⑪remove stabilization layer the top of tube pad.

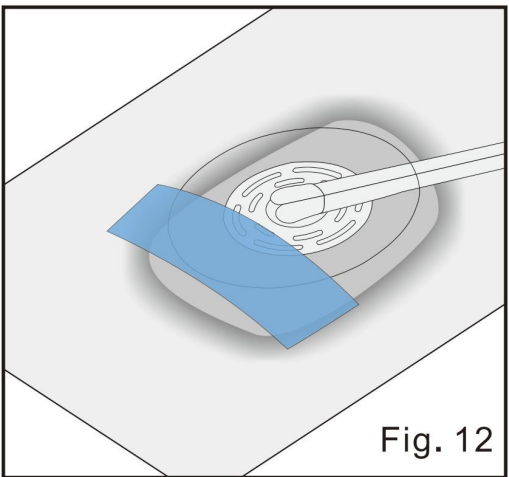
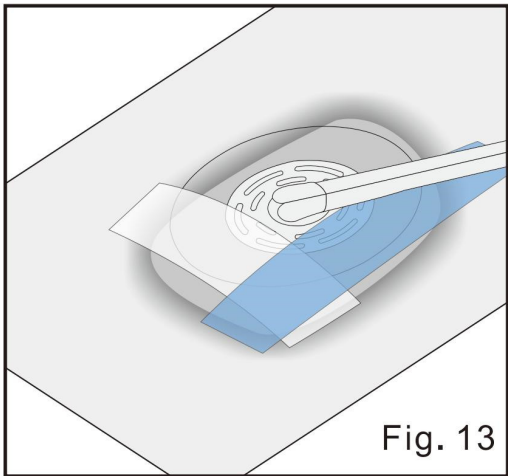
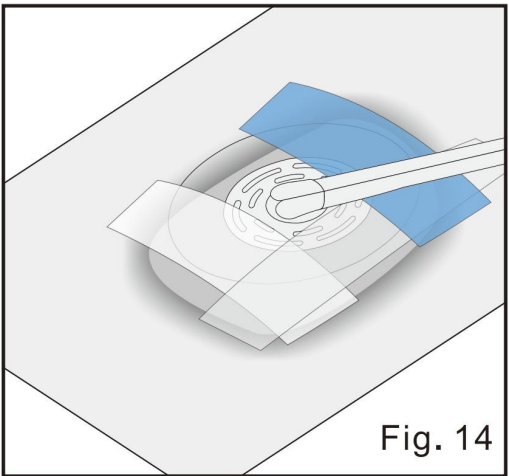


Fig. 12

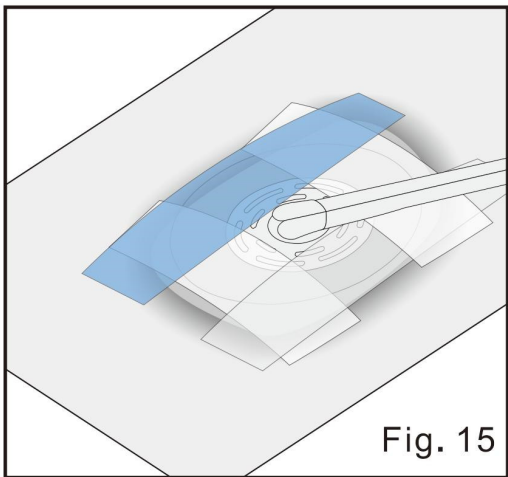
⑫Apply the film dressing to stabilize the pad maintain the sealing of the wound.



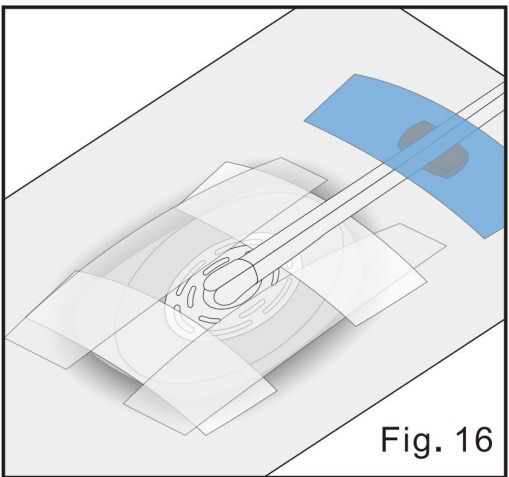
⑬ Apply the film dressing to stabilize the pad maintain the sealing of the wound.



⑭ Apply the film dressing to stabilize the pad maintain the sealing of the wound.



⑮ Apply the film dressing to stabilize the pad maintain the sealing of the wound.



⑯ Fix the tube.

After the dressing change, the sealing effect of the wound still need to be confirmed.

For more dressing tips, clinical sealing techniques, etc., refer to the iNPWT® series of reference documents and videos.



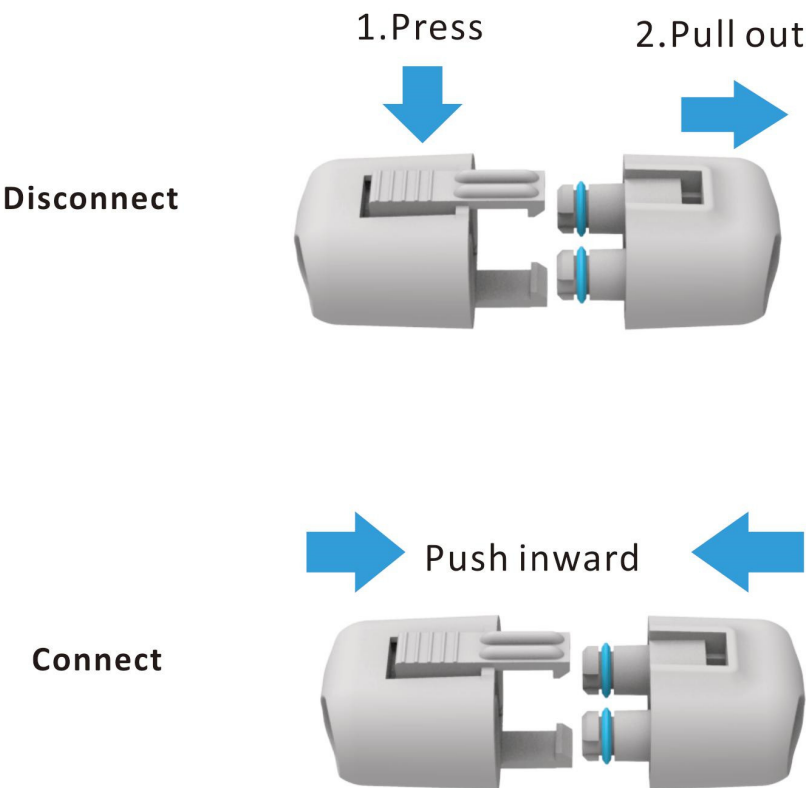
The wound sealing is very important.

Thorough sealing is a prerequisite for effective of NPWT.

In addition to wound sealing, the application of iNPWT® generally **requires a secondary reinforced seal on the tube pad and requires the tube to be secured.**

Especially for homecare, these operations are necessary.

4 Connect Canister and Tube Pad



The canister and the tube pad are connected through a connection joint.
Disconnect or connect as shown above.

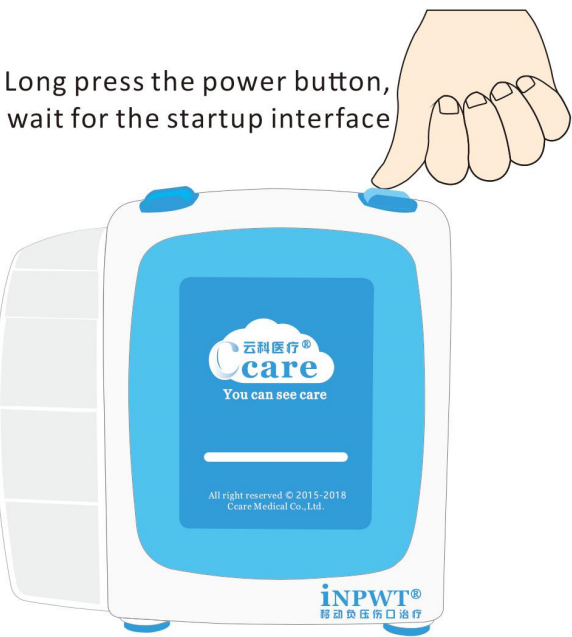
Equipment operation

1 ON/OFF

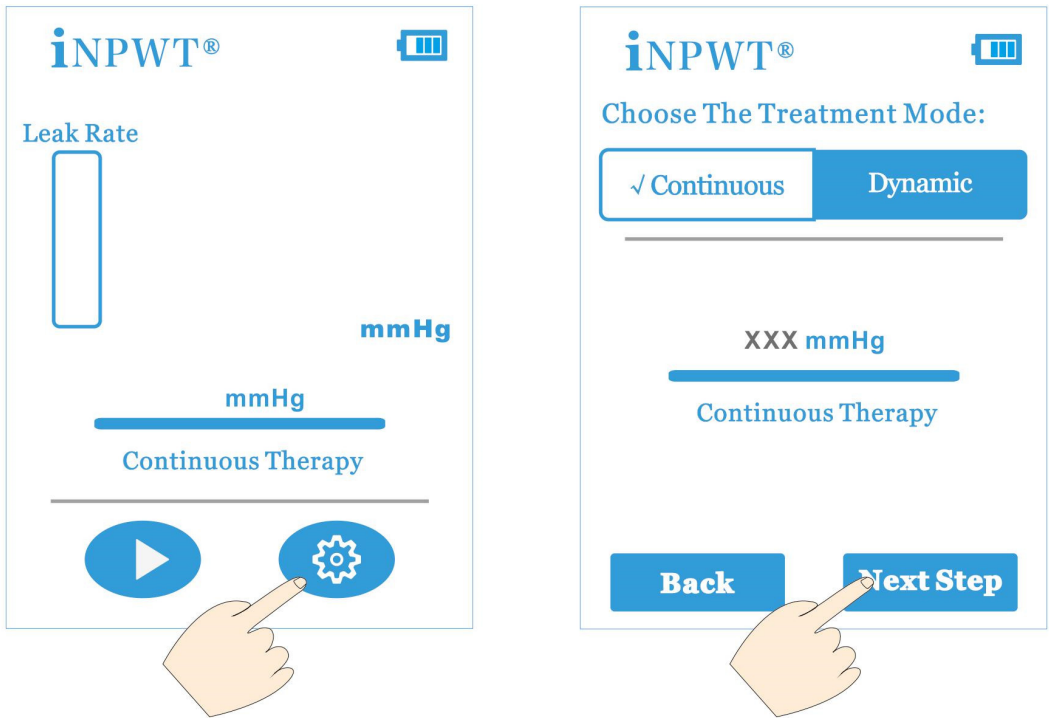
Turn on and off the iNPWT pump by long pressing the power button.

When the iNPWT pump is turned on, the startup screen appears, and there will be a "beep" sound.

When you turn off the iNPWT pump, the iNPWT pump displays off after you hear a "beep" sound.



2 Set treatment parameters

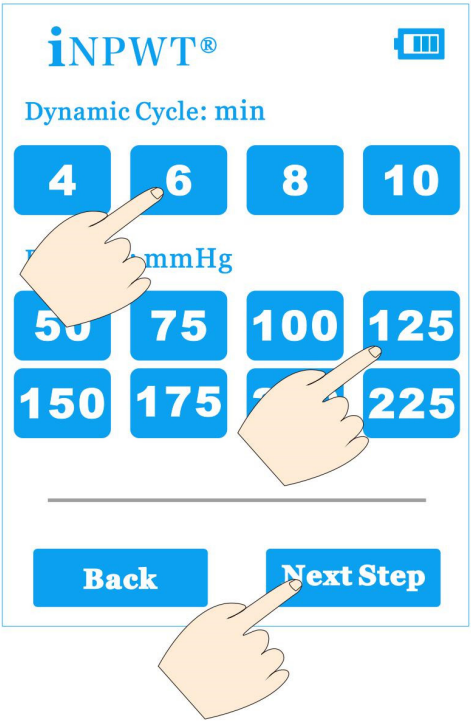


In the main interface, enter the treatment mode setting interface by  , as shown in the right figure.

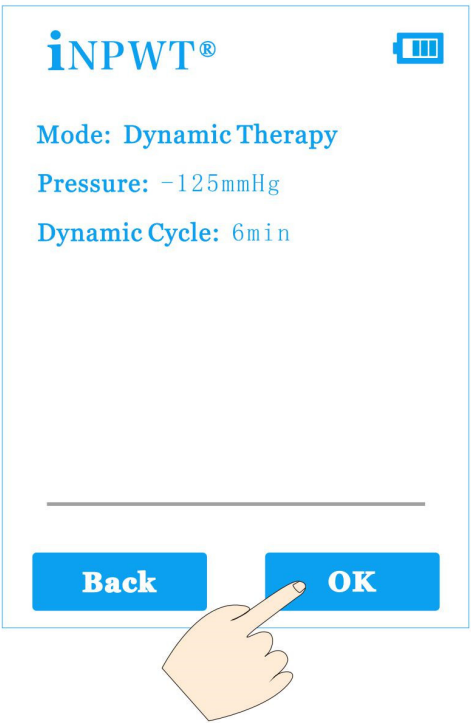
Continuous or dynamic therapy mode can be selected.

Then press "the next"  . enter the parameter setting interface.

In the parameter setting interface, select the pressure value at the wound. When the treatment mode is dynamic therapy, the period of dynamic therapy can also be set. After the setting is completed, press "The Next" to enter the setting confirmation interface.



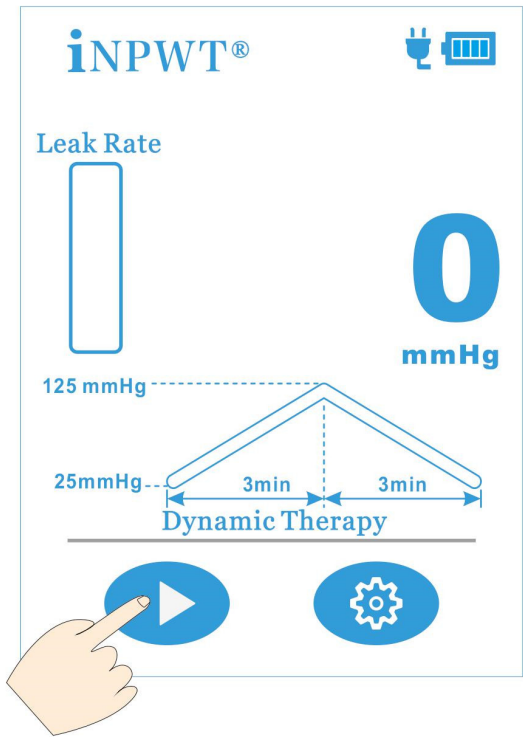
In the setting confirmation screen as shown on the right, press the "OK" to complete the setting , or press the "back" to return the main interface.



3 Start treatment

Press  in the main interface to start treatment.

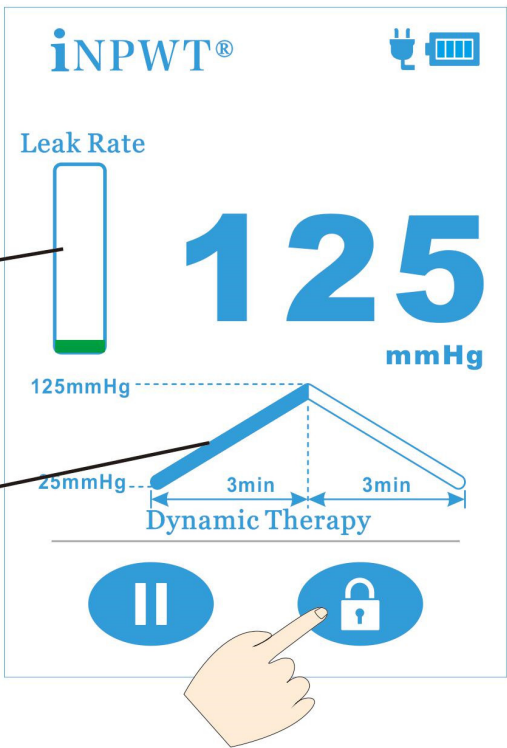
Note: In the main interface, the treatment mode, and the wound pressure value will be displayed, if it is the dynamic mode, the dynamic cycle setting value will also be displayed.



After the treatment is started, pay attention to the leaking rate and the real-time pressure of the wound.

According to the leak column, determine the system leak rate, and re-seal the wound if necessary.

If it is dynamic therapy, The treatment phase will be shown during treatment.

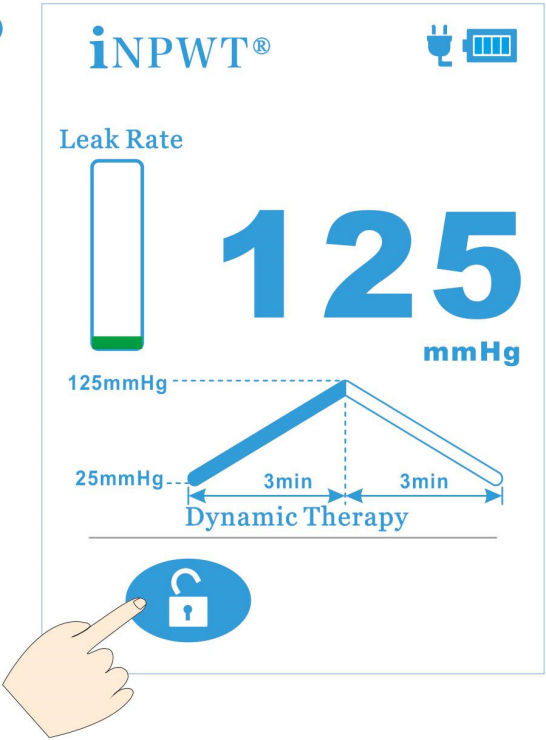


Under the treatment interface, press the  to pause treatment. Press the  to lock the screen to prevent accidental operation.



During the treatment, be sure to enter the screen lock state to prevent the patient from operating incorrectly.

In the screen lock mode, press the  to unlock. Follow the on-screen instructions to unlock.



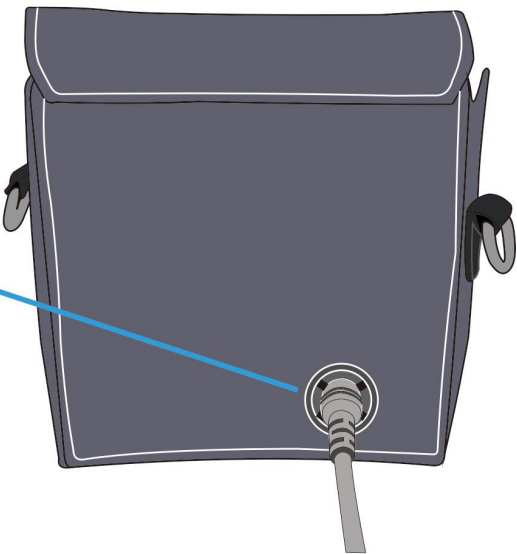
4 Use Carry Bag

Load the iNPWT® pump into the Carry Bag:



iNPWT® Carry Bag and adapter:

When you can use the mains,
try to use the mains.



5 System alarms and Related issues

The iNPWT® device alerts in three situations:

- When the battery power in the device is insufficient and there is no external adapter power supply, the device will Low Battery alarm.
- When the tubing is blocked, or the iNPWT® canister is full, or the dressing is blocked, the device will Blocking alarm.
- When the system leaks seriously and cannot reach the set pressure, the device will Leaking alarm.



Low Battery alarm



Blocking alarm



Leaking alarm



In general, the iNPWT® system alarms will not be abrupt, and there will be some signs before the alarm.

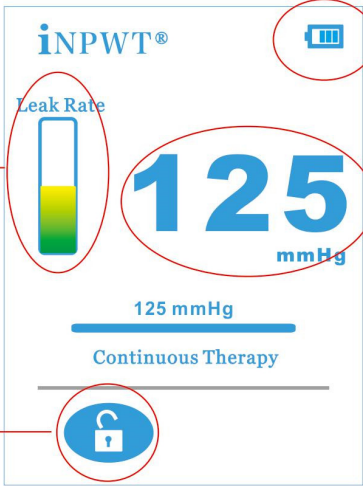
Patient caregivers need to pay close attention to relevant interface information during the Wound homecare, try to solve the problem before the alarm occurs, and avoid the situation when the alarm occurs.

During wound homecare of the iNPWT® system, patient caregivers need to pay close attention to the following treatment information:

- Power information for the device.
- leak rate information.
- Pressure information at the wound.
- Screen lock information.

Pay attention to the leak rate information to prevent unintended Leaking alarms.

Be sure to lock the screen to prevent touching during treatment.



The screen displays the iNPWT logo, a Leak Rate bar (partially full), a large '125 mmHg' pressure reading, a '125 mmHg' target line, 'Continuous Therapy' text, and a lock icon at the bottom.

Pay attention to power information to prevent unintended Low Battery alarms.

Pay attention to the pressure information at the wound to prevent unintended Blocking alarms (clogging alarms in the dressing).

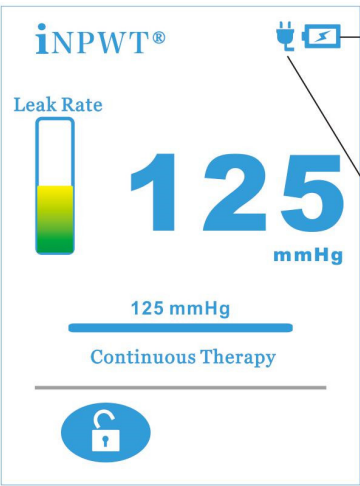
5.1 Power information



During the iNPWT® treatment, when there is a mains power supply nearby, be sure to use the adapter to work with the mains.

Use the internal battery only when the patient needs to go out. Before the patient needs to go out, be sure to confirm that the battery is in full condition.

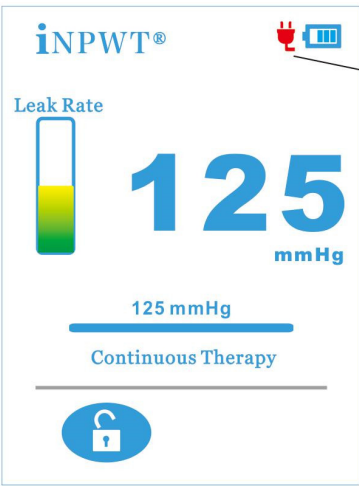
When the patient uses an external power supply, be sure to confirm the adapter icon as .



The screen shows the iNPWT logo, Leak Rate bar, 125 mmHg pressure, target line, Continuous Therapy text, and a lock icon. A charging icon (plug with lightning bolt) is in the top right.

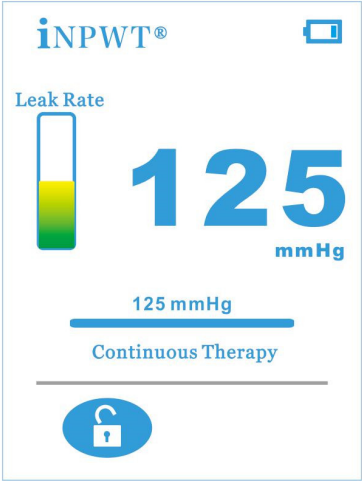
The  icon indicates that the device is charging. When fully charged, it is displayed as .

The  icon indicates that the device is plugged into the adapter and is using an external power supply.



The screen shows the iNPWT logo, Leak Rate bar, 125 mmHg pressure, target line, Continuous Therapy text, and a lock icon. A red no-power icon (plug with lightning bolt crossed out) is in the top right.

The  icon indicates that the device is plugged into the adapter, but the adapter has no power. The device is now powered by an internal battery.



When the battery icon is displayed as , it means the internal battery is running out, please be sure to return to charging.

In general, a full battery can maintain at least 6 hours of use on the iNPWT® system. Please control the time of the outing to avoid the low battery alarm due to the exhaustion of the battery.

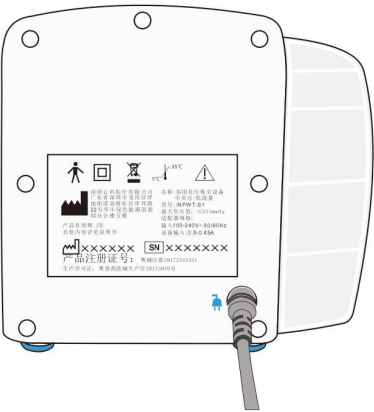
When the Low Battery Alarm occurs, the system will automatically stop the treatment and display as an alarm interface.

5.2 Low Battery Alarm

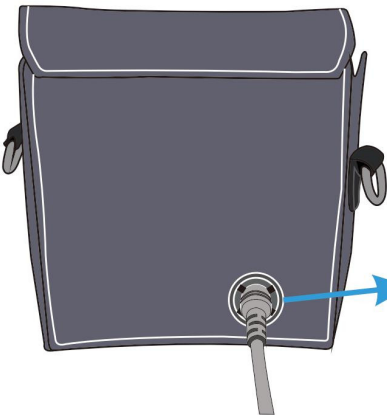
When the device has a Low Battery Alarm, the patient or his or her caregiver should connect the device to the adapter power supply as soon as possible.

After the adapter is connected to the mains, the Low Battery Alarm will be automatically turned off and the device will jump to the main interface. Restart the treatment in the main interface and lock the treatment interface.

Note: If the mains is not connected for a long time after the Low Battery Alarm, the system will automatically shut down within about 15-30 minutes.



Insert the iNPWT special adapter plug into the slot next to the  logo on the back of the device.



Adapter jack



The device may not be in a low battery state for a long time, which may damage the internal battery.
If the device will not be used for a long time, please keep the device fully charged.

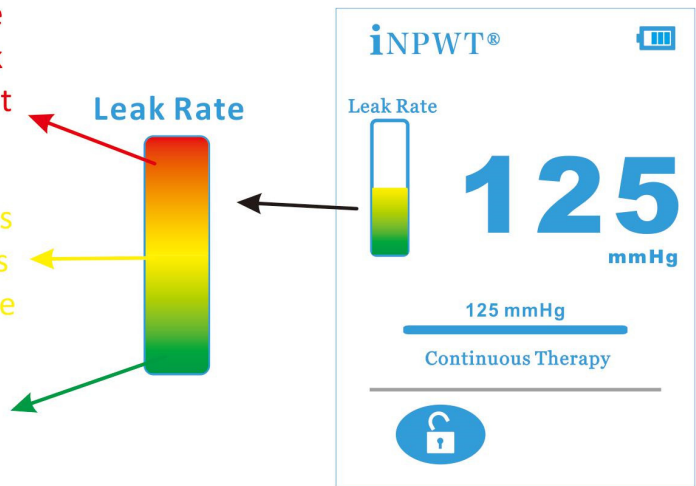
5.3 Leak Rate Information

The leak rate is a columnar pattern. During the treatment, the higher the leak column is, the more serious the leak is.

When the leaking column appears red, it indicates that the leak rate is high. You may need to do a leak repair or prepare an appointment for a dressing change.

When the leaking column appears yellow, it indicates that the leak is high. You only need to keep an eye on it.

When the leak column is only green, the system is well sealed.



When the leaking column is high, you can find the leak point by pressing the film around the wound to see if the leaking column has dropped.

After finding the leak point, you can add a seal.

In general, we require that the wound be in a well-sealed state after dressing in the hospital (the leaking column is only green).

5.4 Leaking alarm

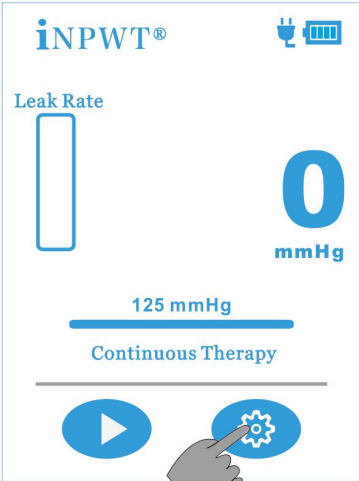
When the Leaking alarm has occurred and you have no way to go to the hospital for help from the clinician in time, you can try the following:

Note: The following operations are only expedient and can only be carried out under the above mentioned conditions, and you need to go to the hospital for final processing in time.

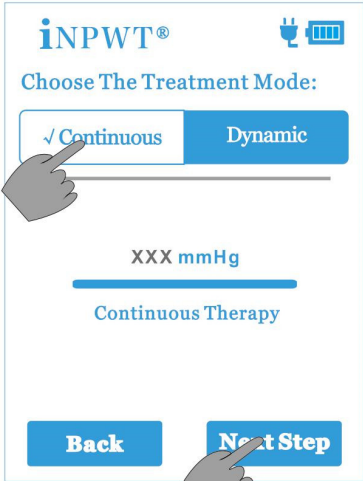
Note: This expediency can be executed only when the setting mode is continuous mode and the set pressure is higher than 75mmHg.



1 Cancel the alarm and return to the main interface



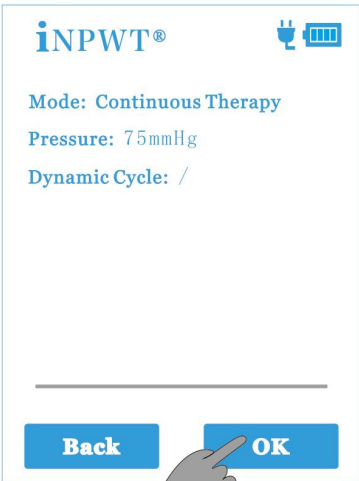
2 Press the setup button in the main interface.



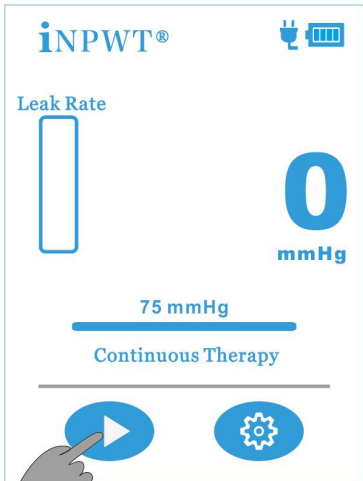
3 After selecting "Continuous Therapy", press "Next"



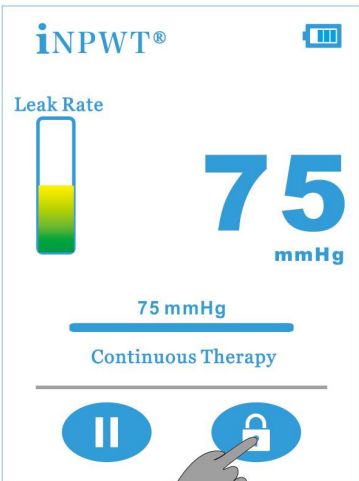
4 After selecting "75" or "50", press "Next". Note: You must select a pressure that is less than the previously set pressure



5 Press "OK" to return to the main interface.



6 Restart treatment

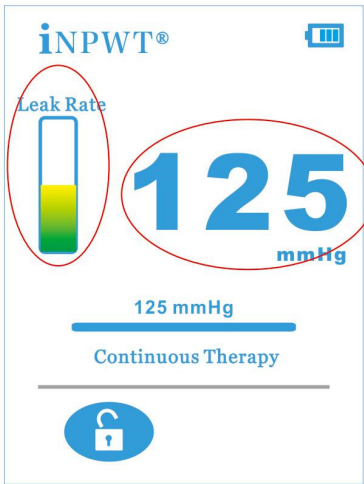


7 After the system is stable, lock the screen.



When the above operation is not possible, or the device still leaking alarm after execution, and you cannot go to the hospital for processing in time: You must remove the wound dressing in time!

5.5 Wound Pressure Information



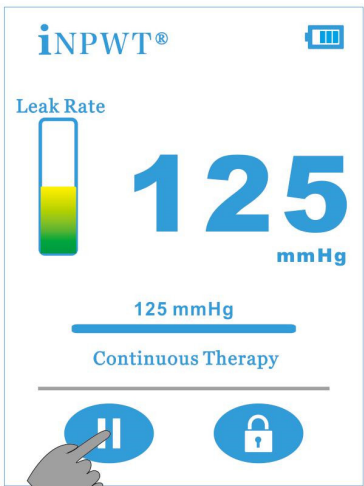
In general, the pressure at the wound is a relatively stable value, which fluctuates within ± 5 mmHg of the set negative pressure.

At the same time, the leak rate will be relatively stable, and the upper and lower fluctuation ranges are small.

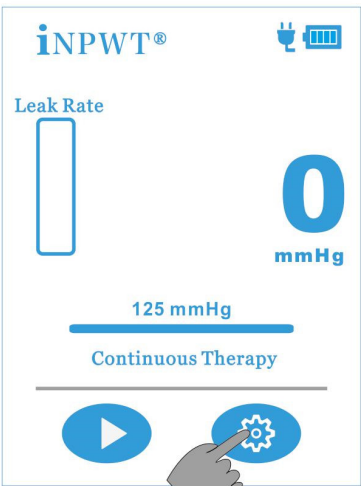
In the continuous mode, when the negative pressure shows rapid up and down fluctuation, the fluctuation value exceeds ± 5 mmHg, and the Leak Rate also jumps

rapidly, it is often a precursor to the blockage in the dressing.

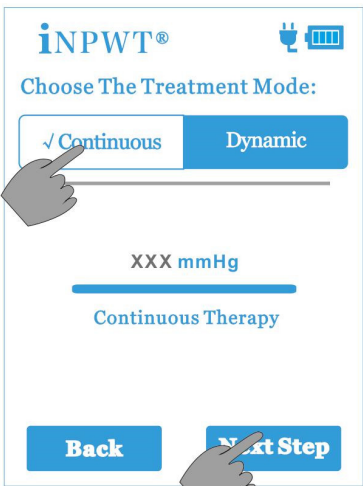
If the negative pressure is set above 75mmHg at this time, the following expedient measures can be performed:



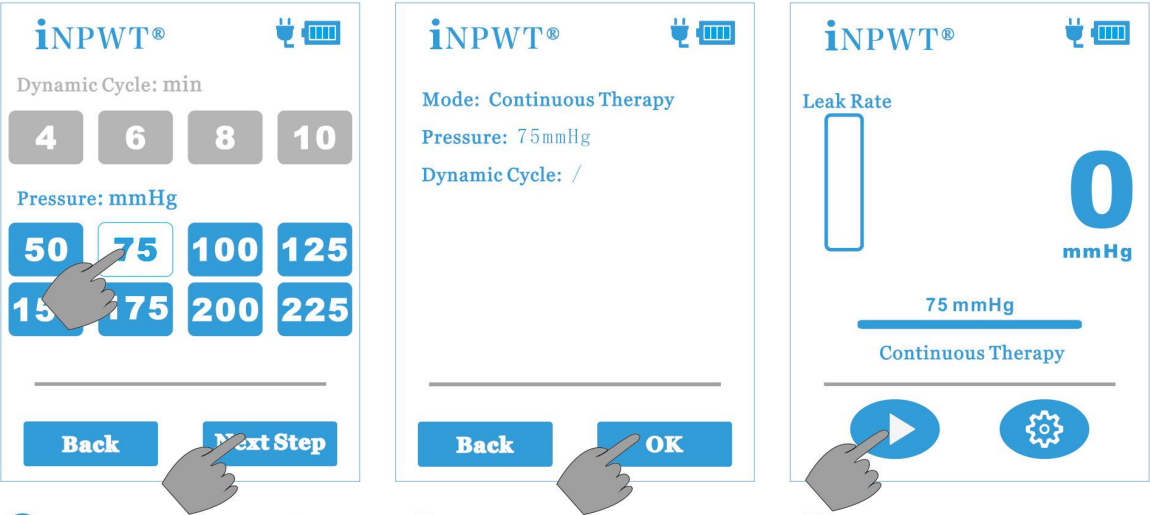
1 Pause the device and return to the main interface



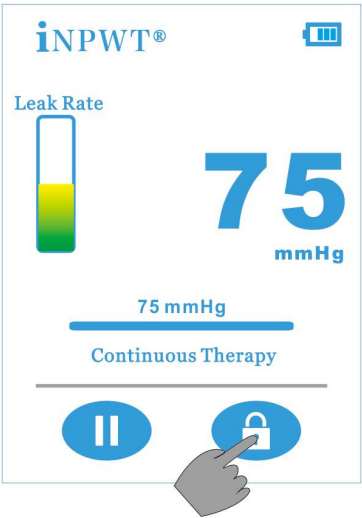
2 Press the setup button in the main interface



3 After selecting "Continuous Therapy", press "Next"



- 4 After selecting "75" or "50", press "Next". Note: You must select a pressure that is less than the previously set pressure
- 5 Press "OK" to return to the main interface.
- 6 Restart treatment



- 7 After the system is stable, lock the screen.

Note: The above operations are only expedient measures.

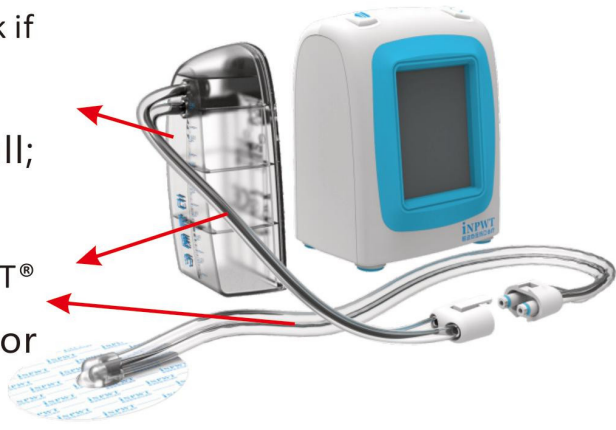
For wounds with severe infections and viscous wounds, the dressing will be blocked more quickly. So the frequency of dressing changes for infectious wounds needs to be faster.

After performing the above operations, you still need to change dressing in time.

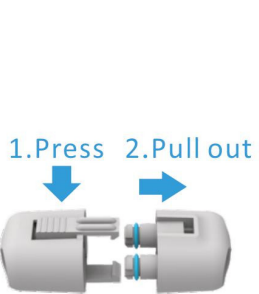
5.6 Blocking alarm

① Please check if the iNPWT® canister is full;

Or if the iNPWT® tube is bent or squashed.



② If the iNPWT® tube is bent or squashed, keep the tube open.
If the iNPWT® canister is full, change the canister:



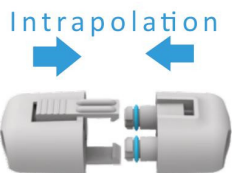
① Disconnect the canister from the tube connector



② Remove the filled canister



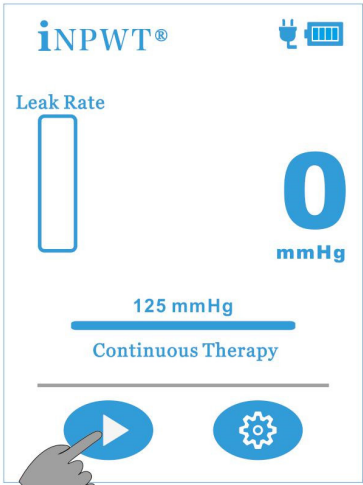
③ Install a new canister



④ Connecting tube



⑤ Cancel the alarm and return to the main interface



⑥ Restart treatment

Blocking alarm--change the canister

③ If the tube is blocked. Then you need to change the tube or change the dressing Kit directly. Please contact your clinician.

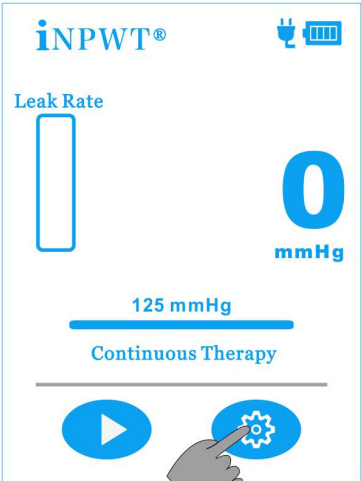
④ When the canister and the tube are not blocked. A Blocking alarm means that the dressing is blocked. At this point, it is necessary to change the dressing in time.



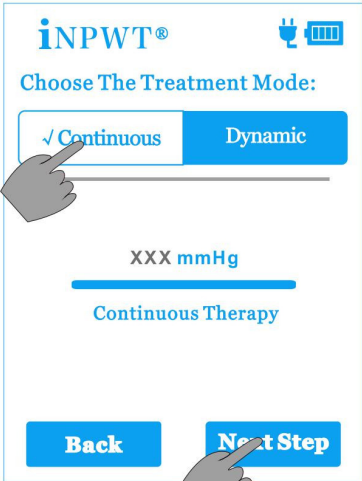
When the Blocking alarm has occurred and you have no way to go to the hospital for help from the clinician in time, you can try the following:



① Cancel the alarm and return to the main interface



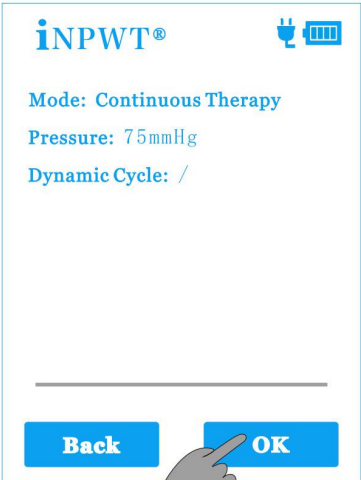
② Press the setup button in the main interface.



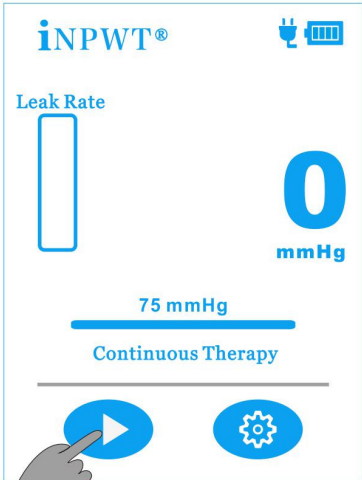
③ After selecting "Continuous Therapy", press "Next"



④ After selecting "75" or "50" press "Next" . Note: You must select a pressure that is less than the previously set pressure



⑤ Press "OK" to return to the main interface.



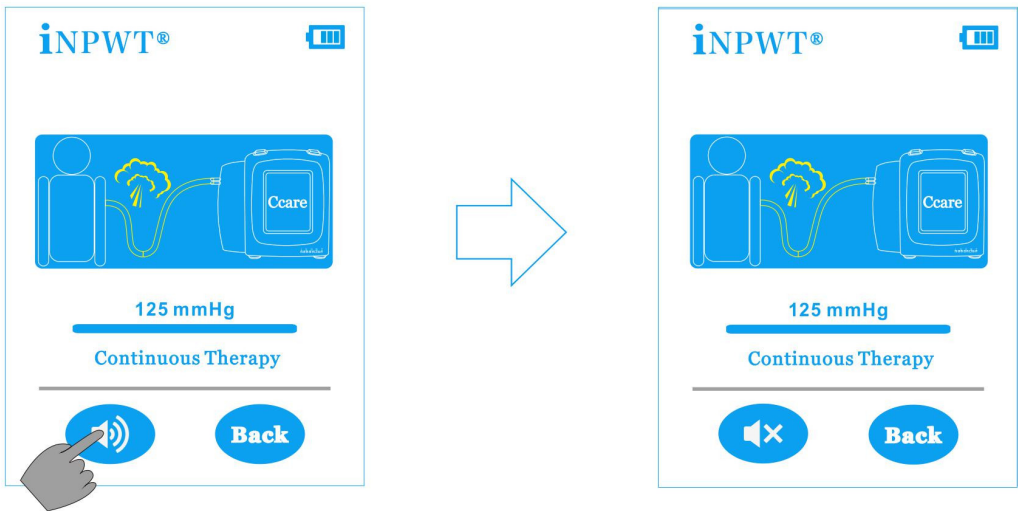
⑥ Restart treatment



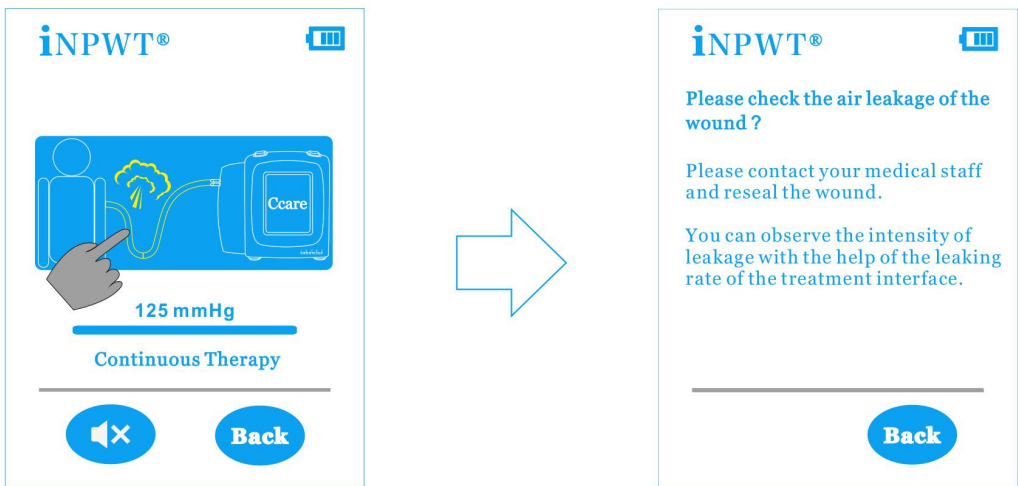
When the above operation is not possible, or the device still Blocking alarm after execution, and you cannot go to the hospital for processing in time: You must remove the wound dressing in time.

5.7 Alarm Mute and Help

When you feel that the iNPWT® alarm is noisy, you can press "  " to silence the alarm:



You can also get more alarm help information by touching the alarm flashing interface:



6 Warning



The device contains a lithium-ion battery pack for homecare and active treatment.
It is recommended to use the special Carry Bag provided by Shenzhen Yunke Medical Co., Ltd..



V2019.03.01