smith&nephew

RENASYS

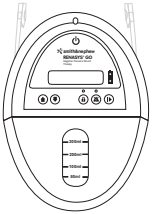
Negative Pressure Wound Therapy

Quick Reference Guide

RENASYS◇ GO quick reference guide

1. Installing the canister

- Remove paper tape around the canister tubing to release tubing to the full length
- Open both of the orange clips
- Align the canister so that the volume marks are facing forward
- Push the canister gently over the inlet port of the device
- Engage both orange clips (clips will click when they are properly engaged)



2. Start up of device

Welcome
Starting V X X

Press and hold the “Power” button for 2 seconds until start up message appears

3. Select vacuum setting

Use “Up” and “Down” to adjust

4. Start therapy

Press “Select” to start therapy

5. Check dressing for seal

Look for “raisin-like” appearance

Listen for a “hissing” sound, indicating a leak

Feel the dressing, which should be hard to the touch

Possible site of leak

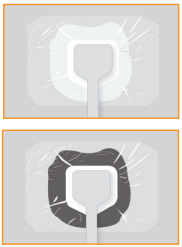
- Wrinkle or crease
- Skin fold or crevice
- Where drain exits film (where applicable)

Intervention

Seal film edges with film dressing

If hole found in transparent film, patch with adhesive transparent film

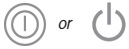
Pinch paste around drain (if applicable)



To change the therapy between continuous and intermittent mode:

1. Turn the device off.
2. Simultaneously press the Down + Select + Power buttons for 2 seconds.
3. Press the Up or Down buttons to move between continuous and intermittent mode and press the Select button to confirm.
4. Once therapy is started the display will show which mode of therapy has been selected.

Symbols



Power button
Turns the device on and off

Battery indication
Shows the status of battery life. Flashes when the battery life reaches levels that require user intervention

Up selector
Allows the pressure setting to be increased and scroll through menu options

Down selector
Allows the pressure setting to be decreased and scroll through menu options

Keypad lock
Locks the keypad to restrict accidental adjustment of therapy. When activated the light will illuminate

Audio pause/ alarm suppress
Silences the alarm for approximately 2-3 minutes.

Start therapy/ select
Allows therapy to be started or paused. It is also used to confirm settings within therapy

Alarm messages

! Attention ! Low Battery

The battery has up to 3 hours therapy time remaining

!! RECHARGE !! V. Low Battery

The battery has up to 1 hour therapy time remaining

!! RECHARGE !! EX. LOW BATTERY

The battery has only 2 minutes of therapy time remaining

!! RECHARGE NOW !! BATTERY FAIL

After 2 minutes in the extremely low state the device will power off

!! WARNING !! LOW VACUUM

The vacuum level is low or there is a leak in the system for longer than 30 seconds (see User Manual for details for resolution)

!! WARNING !! HIGH VACUUM

The system has encountered a high vacuum condition (see User Manual for details for resolution)

!! THERAPY STOP !! OVER VACUUM

The system has encountered an excessively high vacuum (of >235mmHg) (see User Manual for details for resolution)

!! WARNING !! BLOCKAGE/FULL

The system detects the canister is full or there is a blockage in the system (see User Manual for resolution)

!! WARNING !! LEAK

The system has detected a significant leak for more than 1 minute (see User Manual for resolution)

!!! DEVICE FAILED !!! Please Return

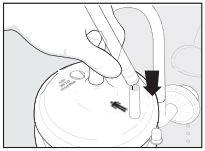
The device has an unrecoverable error (see User Manual for resolution)

! Attention ! INACTIVE

The device has been left in standby for more than 15 minutes (see User Manual for resolution)

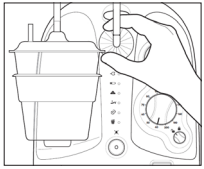
RENASYS◇ EZ PLUS quick reference guide

1. Connect blue tip of tubing to canister

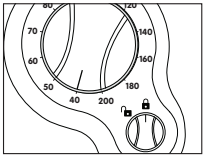


To “Patient” (250ml and 800ml canister)

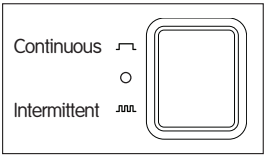
2. Connect bacterial overflow filter to pump



3. Activate suction



Adjust pressure and lock



Turn pump “On” and to the “Continuous” setting

4. Check dressing for seal

Look for “raisin-like” appearance

Listen for a “hissing” sound, indicating a leak.

Feel the dressing, which should be hard to the touch.

Possible site of leak

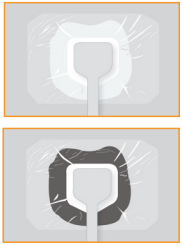
- Wrinkle or crease
- Skin fold or crevice
- Where drain exits film (where applicable)

Intervention

Seal film edges with film dressing

If hole found in transparent film patch with adhesive transparent film

Pinch paste around drain (if applicable)



Symbols/Alarms

Continuous therapy
Device will maintain the preset vacuum level, without stopping, until switched off

Intermittent therapy
5 minutes on and off (no vacuum) for 2 minutes

"Off" position
Returning the mode of operation switch to this position stops the device from delivering therapy

Main power
When the system is connected to a wall outlet, the indicator will illuminate

Over vacuum
If the system encounters an excessively high vacuum (of >235mmHg) the device will stop delivering therapy. The audible alarm will sound and the status LED will flash yellow

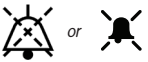
Leak
When the system detects a significant leak the audible alarm will sound and the status LED will flash yellow

Low vacuum
If the vacuum level is lower than set point of therapy by >15mmHg, the audible alarm will sound and the status LED will flash yellow

Canister full or blockage (for models with this option)
When the system detects a full canister or blockage, the LED will flash

Battery indicator
The low battery is signalled by audible and visual alarms. Plug the device into an AC outlet immediately when the alarm occurs

Alarm suppressed/audio pause
Pressing the alarm "Suppress" button will silence the alarm for approximately 2-3 minutes



Keep upright

RENASYS®-G/P dressing technique

1. Debride any necrotic tissue / eschar if necessary. Cleanse the wound bed and pat dry as per protocol.

2. Apply SKIN-PREP® to the peri-wound skin.

3. Cut a single layer of non-adherent wound contact layer to fit the wound dimensions and place into the wound bed.

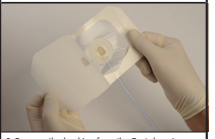
4. Moisten the antimicrobial gauze with saline.

5. Place the moistened gauze into the wound bed filling to skin level.

6. Cover the gauze with transparent film. The film should extend 5cm beyond the wound margin to facilitate an adequate seal.

7. Measure a piece of film that is long enough and wide enough to run in a continuous piece from the wound to a non-weightbearing area. This will be used to create the bridge and protect the intact skin. Remove the backing paper from the film and apply it to the skin.

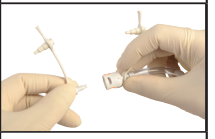
8. Cut a small circular hole in the centre of the film over the gauze. The hole needs to be roughly 0.6cm in size. Remove any excess trimmed film.



9. Remove the backing from the Port dressing.

10. Align the opening of the Port over the hole in the film. Use gentle pressure to anchor the Port to the film.

11. Smooth the dressing down whilst removing the frame.



12. Connect the Port tubing to the canister tubing using the quick-click connector.

13. Switch on the device, set desired therapy setting and start therapy.

14. The finished dressing should collapse, be firm to the touch and have a wrinkled appearance.

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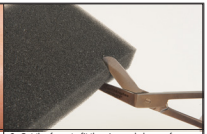
Ireland: 1800 30 36 22

RENASYS°-F/P quick reference dressing guide

1. Debride any necrosis/eschar from the wound bed if necessary. If appropriate, cleanse wound bed and dry as per local guidelines.

2. Apply SKIN-PREP° or a thin hydrocolloid to the peri-wound skin if required.

N.B. Skin sealant is not included as part of the RENASYS-F/P foam dressing kit.



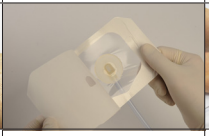
3. Cut the foam to fit the size and shape of the wound. Do **NOT** cut the foam directly over the wound bed.

4. Place the foam into the wound cavity. Multiple pieces or layers of foam can be inserted into a cavity if required to ensure a perfect fit is achieved.

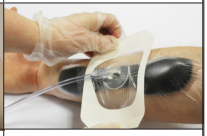
5. Cover the foam with transparent film. The film should extend 5cm beyond the wound margin to facilitate an adequate seal.

6. Ensure the film is securely anchored to the peri-wound area to maintain a good seal. Ensure the film is not stretched or applied under tension, or pressure applied to the foam as this may cause blistering when the NPWT is applied.

7. Cut a small circular hole in the centre of the film over the foam. The hole needs to be roughly 0.6cm in size. Remove any excess trimmed film.

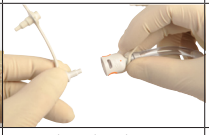


8. Remove the backing from the Port dressing.



9. Align the opening of the Port over the hole in the film. Use gentle pressure to anchor the Port to the film.

10. Smooth the dressing down whilst removing the frame.



11. Connect the Port tubing to the canister tubing using the quick-click connector.

12. Switch on the device, set desired therapy setting and start therapy.

13. The finished dressing should collapse, be firm to the touch and have a wrinkled appearance.

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Top Tips for successful outcomes using RENASYS®-F/P

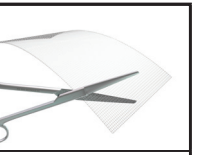
Cutting and Shaping the foam
Foam should be cut to fill the cavity perfectly
Edges of the foam can be shaped to avoid contact with surrounding skin
Skin protectants can be used but are not supplied in the pack
If the depth of the foam needs to be altered it is easier to cut with a scalpel rather than scissors
If the foam is cut to fit the wound ensure all loose particles are removed prior to application to the wound
Do not cut or shape the foam over the wound
Shallow wounds: Cut the foam along entire length to reduce depth using a scalpel Bevel the edges of foam to avoid contact with good skin when the foam collapses Protect good skin with strips of thin hydrocolloid
Deep Wounds: For wounds deeper than the depth of the foam multiple layers can be inserted to fill the cavity It is seen as good practice to document how many pieces of foam have been inserted into the wound to ensure all are removed when the dressing is renewed
Avoiding / dealing with adherence *If the foam adheres there are several techniques that can be used to help you remove it*
Method 1: Switch the pump off at least 20 minutes before dressing removal
Method 2: Clamp the tubing close to the wound and then cut it off
Attach a syringe of warmed sterile saline to the cut end of the tubing, open the clamp and inject the saline re-clamp and wait for 20 minutes before removal
Fragile structures, nerve, blood vessels, bone, viscera, organs and irradiated tissue should be protected with a wound contact layer
To prevent future occurrence you can use a wound contact layer

Achieving a seal
Let any skin preparation wipe used dry completely before applying the film
Use Ostomy paste to fill any small irregular shapes or skin folds at the wound margins to help you to achieve a seal
Cut film into strips rather than applying in one sheet (any wrinkles in the film can allow air to escape). Do not try to reposition film once adhered to the patient's skin if it is in the wrong place. Remove the existing piece, discard and replace with a new piece
Do not compress the foam or apply any pressure on the foam with the film during application
Maintaining a seal
If the seal is lost and it is less than 3 hours since the application, it is likely to be an application technique problem. If the seal is lost after 12 hours, the problem is likely to relate to the exudate volume: the drain being used is not managing the level of exudate. To resolve this, use two drains in the dressing and connect them to the device with a Y-connector.
If maintaining a seal is likely to be a problem – consider using a skin preparation wipe to seal the edges of the transparent film after the dressing application is completed. Border the transparent film edges with waterproof tape to prevent rolling.
Multiple Wounds
Ensure both wounds are suitable for NPWT
Multiple wounds can be treated either by using a y connector or bridging the wounds
If bridging, then the tubing should be placed between the wounds on the foam bridge
As long as there is foam to foam contact the pressure from the device will be delivered to the wound bed

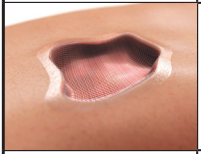
RENASYS®-G quick reference dressing guide

1. Clean wound bed with normal saline if indicated.

2. Apply skin protection wipe to peri-wound skin.



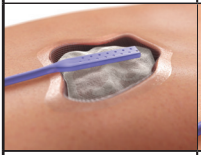
3. Cut a single layer of non-adherent wound contact layer to fit wound dimensions.



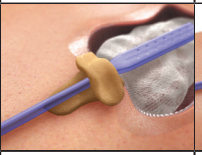
4. Lay non-adherent wound contact layer into wound bed.

5. Moisten gauze with saline.

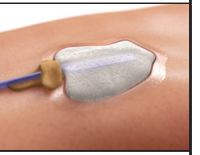
6. Place a layer of moistened gauze into wound bed.



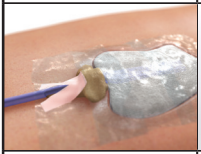
7. If required, cut drain to fit wound dimensions. As a guide the drain should be at least 1–2cm shorter than the wound size.



8. Secure drain using strip paste beneath and on top of drain as shown.

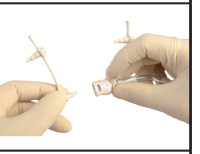


9. Fill remaining defect to skin level with additional moistened gauze.



10. Cover wound and drain with drape with approx 3–5cm overlap onto surrounding skin.

11. Attach canister and filter to the device, secure tubing to the canister, connect patient tubing to canister tubing.



12. Connect the drain tubing to the canister tubing using the quick-click connector.

13. Turn on machine. Set desired negative pressure and start therapy.

14. Dressing should collapse and appear firm to touch and have a 'raisin-like' appearance.

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Top Tips for successful outcomes using RENASYS°-G

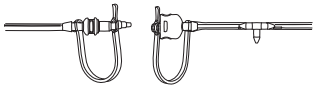
Managing exudate
Base your drain kit choice on the amount of drainage first and wound size second
Maceration should not happen with the RENASYS-G dressing. If maceration is an issue, the suction has been interrupted or the chosen drain is not sufficiently handling the exudate.
For heavily discharging wounds, place the drain closer to the wound surface or deeper in the dressing nearer the source of the exudate
In wounds with high levels of exudate, the dressing changes may need to be done 3 times per week vs. 2 times per week
Achieving a seal
Let the skin prep dry completely before applying the film
Use Ostomy paste to fill any small irregular shapes or skin folds at the wound margins to help you to achieve a seal
Cut film into strips rather than applying in one sheet (which can allow air to escape along any wrinkles). Do not try to reposition film once adhered to the patient's skin. If it is in the wrong place, remove the existing piece, discard and replace with a new piece
Maintaining a seal
If the seal is lost and it is less than 3 hours since the application, it is likely to be an application technique problem. If the seal is lost after 12 hours, the problem is likely to relate to the drain choice: the drain being used is not managing the level of exudate. To resolve this, increase the size of the drain (i.e. increase from a flat to a 19Fr round drain)
If maintaining a seal is likely to be a problem – consider using skin prep to seal the edges of the transparent film after the dressing application is completed. Border the transparent film edges with waterproof tape to prevent rolling.
Awkward areas
For a fragile wound bed, place the drain further away from the wound bed allowing more gauze between the drain and wound bed as this will act as a cushion

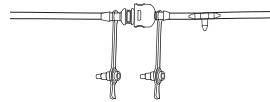
Canister selection

The RENASYS® EZ PLUS device can be used with the 250ml or 800ml canister kit. The RENASYS GO device can be used with the 300ml or large RENASYS GO canister kit. Always use the smallest canister possible. Contact your distributor or Smith & Nephew for assistance.

The canister kit should be changed at least once a week or when the canister has reached a level of two-thirds full. Canisters may have to be changed regularly within single-patient treatment episodes if exudate levels are high. A new canister should always be used for new patients.

Capping off tubing





Dressing changes

Dressings should be changed every 48-72 hours. When removing the dressing, ensure that the clamp on the dressing tubing is closed to maintain pressure at the dressing site. In the event of heavy drainage, drainage with sediment or infected wounds, more frequent dressing changes may be needed. Check dressings regularly and monitor the wound to check for signs of infection. If there are any signs of systemic infection or advancing infection at the wound site, contact the treating clinician immediately.

If RENASYS-F/P Dressing adheres to wound

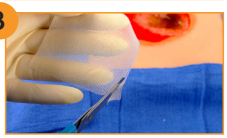
After powering the device down, apply normal saline into the wound dressing and let it soak for 15-30 minutes before gently removing the foam. Dispose of the dressing in accordance with local guidelines.

RENASYS° Gauze with Soft Port application

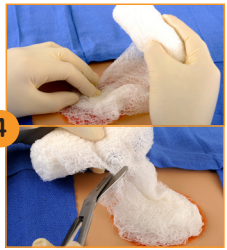
Clean and debride

1 Debride any devitalized or necrotic eschar tissue. Cleanse the wound and pat dry as per local protocol.

2 If required, protect the peri-wound skin from exposure to moisture and adhesive through the use of a skin sealant.



3 If desired, a non-adherent wound contact layer may be applied. Trim a single layer of non-adherent gauze to fit the wound dimensions and lay across the wound bed.



Dress wound with gauze

4 Apply a layer of saline-moistened antimicrobial gauze to wound bed. Continue to apply in layers, until the gauze loosely fills the entire wound. Avoid over packing the wound.

If multiple pieces of gauze are needed to fill the wound, count and record how many pieces are present to ensure all pieces are removed at a dressing change.

Seal the wound

5 Remove panel #1 of the transparent film, exposing the adhesive. Apply over the wound and remove the remaining panel #2 to seal. Once placed, remove the top panel #3. Continue to apply until the gauze is completely covered and the wound is sealed.

Apply RENASYS® Soft Port

6 Cut a hole no smaller than 2cm in the centre of the transparent film, over the gauze. Remove any loose transparent film and dispose.

7 Remove the adhesive backing panel from the RENASYS Soft Port dressing, and align directly over the hole in the transparent film. Use gentle pressure to anchor it to the transparent film.

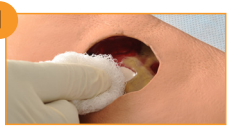
8 Smooth the dressing down while removing the RENASYS Soft Port stabilization frame.

9 Secure the RENASYS Soft Port to the patient as needed taking care not to cover the aeration disc.

10 Connect the RENASYS Soft Port tubing to the canister tubing by pushing the quick click connectors together. An audible click indicates connection is secure.

Switch on the RENASYS device, set desired pressure setting and start therapy. The finished dressing should be firm to the touch and leak-free.

RENASYS® Foam with Soft Port application



Clean and debride

1 Debride any devitalized or necrotic eschar tissue. Cleanse the wound and pat dry as per local protocol.

2 If required, protect the peri-wound skin from exposure to moisture and adhesive through the use of a skin sealant.

3 If desired, a non-adherent wound contact layer may be applied. Trim a single layer of non-adherent gauze to fit the wound dimensions and lay across the wound bed.

Dress wound with foam

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

Do **not** cut the foam directly over the wound bed and after cutting brush the sides to dislodge small fragments of foam.

4 Place the cut foam into the wound. Do not force foam into the wound or place within an unexplored tunnel. Multiple pieces or layers of foam can be inserted if required for deeper wounds.

If multiple pieces of foam are used to fill the wound, count and record how many pieces are present to ensure all pieces are removed at a dressing change.

Seal the wound

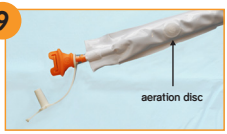
5 Remove panel #1 of the transparent film, exposing the adhesive. Apply over the wound and remove the remaining panel #2 to seal. Once placed, remove the top panel #3. Continue to apply until the foam is completely covered and the wound is sealed.

Apply RENASYS® Soft Port

6 Cut a hole no smaller than 2cm in the centre of the transparent film, over the foam. Remove any loose transparent film and dispose.

7 Remove the adhesive backing panel from the RENASYS Soft Port dressing, and align directly over the hole in the transparent film. Use gentle pressure to anchor it to the transparent film.

8 Smooth the dressing down while removing the RENASYS Soft Port stabilization frame.



9 Secure the RENASYS Soft Port to the patient as needed taking care not to cover the aeration disc.

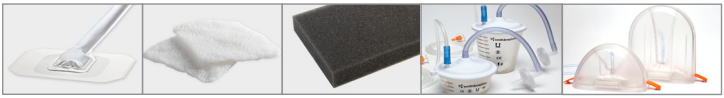
10 Connect the RENASYS Soft Port tubing to the canister tubing by pushing the quick click connectors together. An audible click indicates connection is secure.

Switch on the RENASYS device, set desired pressure setting and start therapy. The finished dressing should be firm to the touch and leak-free.

Ordering codes

Code	Description
RENASYS Devices	
66800164	RENASYS GO
66800697	RENASYS EZ PLUS
RENASYS-G Dressing Kits	
66800491	RENASYS-G Small Round Kit (10Fr)
66800492	RENASYS-G Small Flat Kit
66800493	RENASYS-G Medium Channel Kit
66800494	RENASYS-G Medium Flat Kit
66800495	RENASYS-G Large Round Kit (19Fr)
66800496	RENASYS-G Large Flat Kit
66800932	RENASYS-G Large Irrigation / Aspiration Kit
66800133	RENASYS-G Sterile Kit
RENASYS-G/P Dressing Kits	
66800882	RENASYS-G/P Gauze Dressing Kit with Port – Small Kit
66800883	RENASYS-G/P Gauze Dressing Kit with Port – Medium Kit
66800884	RENASYS-G/P Gauze Dressing Kit with Port – Large Kit
RENASYS-F/P and -F/AB Dressing Kits	
66800639	RENASYS-F/P Foam dressing with Small Port Kit
66800640	RENASYS-F/P Foam dressing with Medium Port Kit
66800641	RENASYS-F/P Foam dressing with Large Port Kit
66800713	RENASYS-F/AB - Abdominal Foam Dressing with Large Port Kit
RENASYS Canisters	
66800423	RENASYS EZ PLUS 800 ml
66800165	RENASYS GO 300 ml
66800695	RENASYS GO 750 ml
RENASYS Accessories	
66800162	RENASYS GO Carrying Case
66800163	RENASYS GO Carrying Case Strap
66800504	RENASYS Y Connector Kit
66800694	RENASYS Port
66800391	RENASYS Gauze rolls (Pack of 5) – Large antimicrobial gauze roll
66800394	RENASYS Drape (Pack of 10) – Large 20cm x 30cm
66801082	RENASYS Adhesive Gel Patch
66801020	Gauze Wound Filler (pack of 5)
66801021	Foam Wound Filler (pack of 1)

Code	Description	Quantity per ordering unit
RENASYS-F with Soft Port		
66800794	Small Dressing Kit, 10cm x 8cm x 3cm	5
66800795	Medium Dressing Kit, 20cm x 13cm x 3cm	5
66800796	Large Dressing Kit, 25cm x 15cm x 3cm	5
66800980	Abdominal Foam Dressing Kit	5
RENASYS-G with Soft Port		
66800933	Small Dressing Kit	5
66800934	Medium Dressing Kit	5
66800935	Large Dressing Kit	5
RENASYS Canisters		
66800912	RENASYS EZ PLUS 800 ml	1
66800914	RENASYS GO 300 ml	1
66800916	RENASYS GO 750 ml	1
RENASYS Specialist Drain Kits		
66801255	RENASYS-G 10Fr Round Drain Gauze Dressing Kit	10
66801256	RENASYS-G 10mm Flat Drain Gauze Dressing Kit	10
66801257	RENASYS-G 15Fr Channel Drain Gauze Dressing Kit	10
66801258	RENASYS-G 19Fr Round Drain Gauze Dressing Kit	10
RENASYS Accessories		
66800799	Stand Alone Soft Port Kit	5
66801251	RENASYS 10Fr Round Drain Accessory Kit	10
66801252	RENASYS 10mm Flat Drain Accessory Kit	10
66801253	RENASYS 15Fr Channel Drain Accessory Kit	10
66801254	RENASYS 19Fr Round Drain Accessory Kit	10
66800971	Y Connector	10



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Notes

Notes

For patients. For budgets. For today.®

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