



## **RENASYS<sup>®</sup> EZ PLUS**

Negative Pressure  
Wound Therapy

## **RENASYS<sup>®</sup> GO**

Negative Pressure  
Wound Therapy

# Information Guide



# RENASYS<sup>◇</sup> GO RENASYS<sup>◇</sup> EZ PLUS

## INFORMATION GUIDE

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# Introduction

Negative Pressure Wound Therapy (NPWT) refers to the use of negative pressure to promote healing in acute and chronic wounds.

The therapeutic benefits of NPWT include the reduction in bacterial load, an increase in blood flow to the wound and stimulation of granulation tissue formation.<sup>1,2,3</sup>

## The principles of Negative Pressure Wound Therapy

NPWT delivers vacuum-assisted pressure below the wound surface to help promote healing. NPWT consists of a wound filler (foam or gauze), a drainage tube inserted into the dressing, and a transparent film to seal the site before being connected to a suction device.

## Indications for Negative Pressure Wound Therapy (NPWT)

NPWT is suitable for a range of wound types including pressure ulcers, diabetic/neuropathic ulcers, venous insufficiency ulcers, and traumatic wounds, post operative and dehisced surgical incisions, explored fistulas, skin grafts and flaps.

With the RENASYS range of devices and accessories, Smith & Nephew provide a quality offering to facilitate NPWT supported by a 24 hour emergency telephone line, credible and indication-specific clinical information and easy to understand patient guides.

## References

1. Saxena V, Hwang CW, Huang S, Eichbaum Q, Ingber D, Orgill DP. Vacuum-assisted closure: microdeformations of wounds and cell proliferation. *Plast Reconstr Surg*. 2004; 114(5):1086-96; discussion 1097-8.
2. Wackenfors A, Sjögren J, Gustafsson R, Algotsson L, Ingemansson R, Malmjö M. Effects of vacuum-assisted closure therapy on inguinal wound edge microvascular blood flow. *Wound Repair Regen*. 2004; 12(6):600-6.
3. Armstrong DG, Lavery LA; Diabetic Foot Study Consortium. 2005 Negative pressure wound therapy after partial diabetic foot amputation: a multicentre, randomised controlled trial. *Lancet*. 366(9498):1704-10.

# RENASYS<sup>GO</sup>

## Introducing RENASYS GO

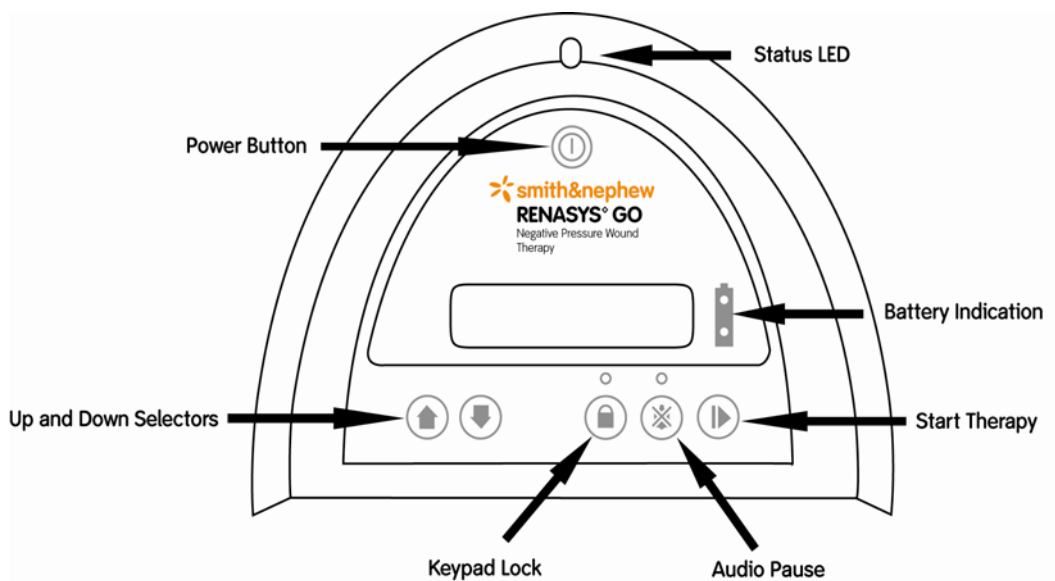
RENASYS GO combines sleek design and quiet operation for added comfort and peace of mind. Patients can continue treatment at home with more mobility than ever before.

The RENASYS GO device will provide the following:

- Stylised design, small and light weight
- Improved alarm options and functionality
- Compact size allowing excellent portability for the patient
- Integrated and subtle (frosted) canister
- Patient lock out function for extra protection
- Easy to use operating controls
- Quiet operation, helping patients to live with their treatment



## Features of the RENASYS GO device



## RENASYS GO device information

### Pressure settings

RENASYS GO pressure ranges from -40mmHg to -200mmHg, providing both continuous and intermittent therapy; with a toggle selector switch on the front fascia.

### Canisters

Two integrated canister sizes are available for the RENASYS GO depending on requirements:

- 300 ml canister
- 750 ml canister

### Protecting your patient

Range of safety alarms when:

- Low battery
- Canister full
- Full canister/ line blockage
- Low vacuum
- Extremely low battery

In addition, there is a lock function to avoid patient changes to pressure settings.


### Portability

- Lightweight, only 1.2kgs which can be easily carried with a shoulder strap
- Compact size (210mm x 175mm x 85mm)
- Removable cover protecting the patient's dignity

### Quiet device

- Low noise levels enable patients to relax
- Discreet treatment increases patient confidence and compliance

## RENASYS GO Specifications

Description	RENASYS GO 
Size HxWxD (mm)	210 x 175 x 85
Weight (kg)	1.2 without the bag
Vacuum Range (mm Hg)	40 to 200; cont. and inter. therapy
Battery Life (hrs)	20
Recharge Time (hrs)	4
Waste Canister	300ml, 750ml integral
Display	Digital
Patient lock out	Yes
IV Pole attachment	Via Strap
Bed attachment	Via Strap
Carry bag	Yes

## RENASYS GO Technical Specifications

REQUIREMENT	SPECIFICATION	NOTES
Portable	Yes	Provided with a carry bag. Strap can be used to attach to IV pole or foot of bed
Pressure Range	-40 to -200mmHg	40, 50, 60, 70, 80, 90, 100, 120, 130, 140, 150, 160, 170, 180, 200mmHg
Free Air displacement of pump	4 L/Min.	Equivalent performance to other available styles
Battery Life	Approximately 20hrs	Battery life is dependent on amount of exudate and wound volume.
Available Cycles	Continuous or Intermittent	
Displays	Digital	Displays information on the pressure setting, the mode of operation and information about any alarm which is active at the time.
	Status LED	The main LED at the top of the device is the first place to look to check if everything is OK. If it is not illuminated the device is either switched off or in standby mode. If the LED is green then therapy is being applied in a controlled manner. If this LED is amber, an alarm is active and the nature of the alarm can be found on the LCD screen.
	Other LEDs	There are also LEDs to show the battery charge status and to indicate if the alarm mute or keypad locks are active.
Auto Lockout	Yes	Display locks out after 10 minutes
Canister sizes	300ml or 750ml	Sealed opaque integral bacterial filter
Solidifier with canister	Yes	
Canister markings	Yes	300ml canister – 50, 100, 200, 300ml 750ml canister – 150, 300, 450, 600, 750ml) level markers which can be used when the device is hung in the vertical orientation.
Antibacterial Filter	Yes	
Low battery alarm	Yes	
Low vacuum alarm	Yes	If the vacuum is 15mmHg below the set point for more than 2 minutes this alarm will activate
High vacuum alarm	Yes	If the vacuum is 15mmHg above the set point for more than 2 minutes this alarm will activate
Full canister alarm	Yes	
Line blockage alarm	Yes	
Inactive pump alarm	No	
Alarm Mute Button	Yes	To silence alarm for 2 minutes while problem is rectified.
Tubing clamps	Yes	Bespoke tubing connector with isolating plug/ cap to connector
Mains power option	Yes	
Power Input	Internal Battery or 110-240 VAC	

# RENASYS<sup>◇</sup> EZ PLUS

## Introducing RENASYS EZ PLUS

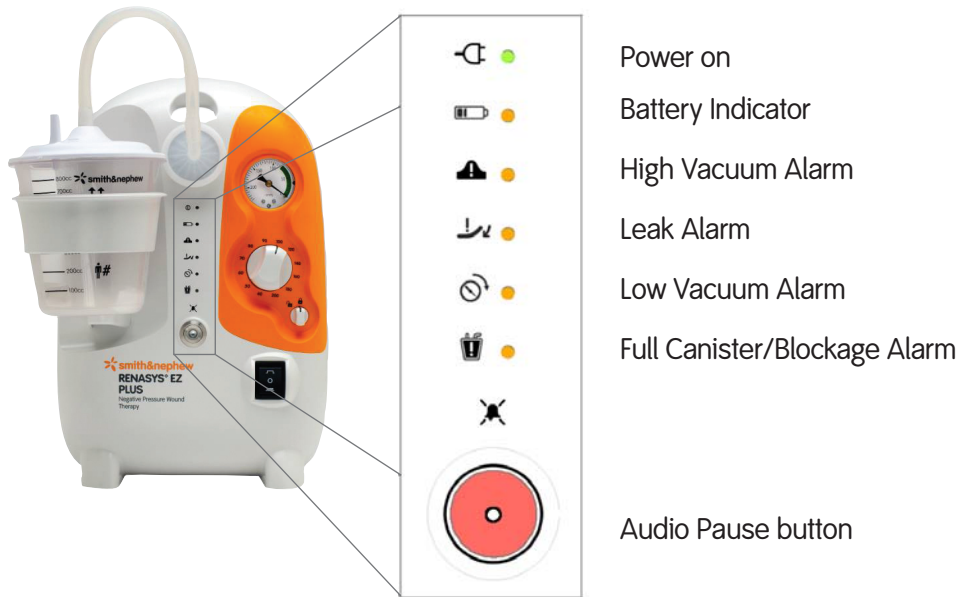
RENASYS EZ PLUS allows the flexibility to treat multiple types of patients with a device that is easy to use and has the capacity and power to cope under pressure.

RENASYS EZ PLUS is indicated for a variety of surgical, traumatic and chronic wounds.

### Features of the RENASYS EZ PLUS device







*Attaching to an IV pole*



*Attaching to a bed rail*



## RENASYS EZ PLUS device information

### Pressure Settings

RENASYS EZ PLUS pressure ranges from -40mmHg to -200mmHg, providing both continuous and intermittent therapy; with a toggle selector switch on the front fascia.

### Canisters

Selection of two canister sizes is available for the RENASYS EZ PLUS depending on requirements.

- 250 ml canister
- 750 ml canister

### Protecting your patient

Range of safety alarms when:

- Low battery
- Canister full
- Full canister/ line blockage
- Low vacuum
- Extremely low battery

In addition, there is a lock function to avoid patient changes to pressure settings.

### Attachments to make you life easier

- No special docking station needed as the device easily attaches to a bed, wheelchair or IV pole.
- Tilting does not affect performance of pump


### Flexibility

- A powerful device with high flow rate that performs under pressure
- Two canister sizes give you the capacity to deal with a wide range of exudate levels

### Quiet device

- Low noise levels enable patients to relax
- Discreet treatment increases patient confidence and compliance

## RENASYS EZ PLUS Specifications

Description	<b>RENASYS EZ PLUS</b> 
Size HxWxD (mm)	361 x 240 x 170
Weight (kgs)	3.7
Vacuum Range (mm Hg)	40 to 200; cont. and inter. therapy
Battery Life (hrs)	40
Recharge Time (hrs)	6
Waste Canister	250ml and 800ml
Display	Analogue
Patient lock out	Yes
IV Pole attachment	New design – Integrated system
Bed attachment	New design – Integral hooks
Carry bag	Smith & Nephew Bag

## RENASYS EZ PLUS Technical Specifications

REQUIREMENT	SPECIFICATION	NOTES
Portable	Can be carried but should remain static if possible.	Integral hook for bed mounting and clamp to permit IV pole attachment.
Pressure range	-40 to -200mmHg	12 possible preset values (40, 50, 60, 70, 80, 90, 100, 120, 140, 160, 180, 200mmHg)
Free air displacement	9 litres per min.	
Battery life	Approximately 40 hrs	Battery life is dependent on amount of exudate and wound volume.
Available cycles	Continuous or Intermittent	
Display	Analogue display	Simple and intuitive controls mean fewer troubleshooting problems.
Lockout	Yes	Prevents patient tampering with pressure controls.
Canister size	250ml or 800ml	Sealed opaque with solidifier. Choice of two options
Solidifier with canister	Yes	
Canister markings	Yes	250ml canister – 10ml increments 800ml canister – 100ml increments.
Antibacterial Filter	Yes	
Low battery alarm	Yes	Green \ Amber LED indications plus audible alarm
Low vacuum alarm	Yes	If the vacuum is 15mmHg below the set point an Amber LED indications plus audible alarm will activate.
Full canister alarm	Yes	Amber LED indications plus audible alarm.
High vacuum alarm	Yes	If the vacuum is greater than 235mmHg an Amber LED indications plus audible alarm will activate. The device will stop delivering therapy
Line blockage alarm	Yes	Amber LED indications plus audible alarm.
Excessive leak alarm	Yes	Amber LED indications plus audible alarm.
Inactive pump alarm	No	
Alarm mute button	Yes	To silence alarm for two minutes while the problem is rectified, button illuminates during activations.
Tubing clamps	Yes	Bespoke tubing connectors with integral sealing plug/cap to connector
Carrying bag	Smith & Nephew Bag	
Mains power option	Yes	
Power input	Internal Battery or 100-240 VAC	

# Dressing kits and consumables

## RENASYS-G (Kit components)

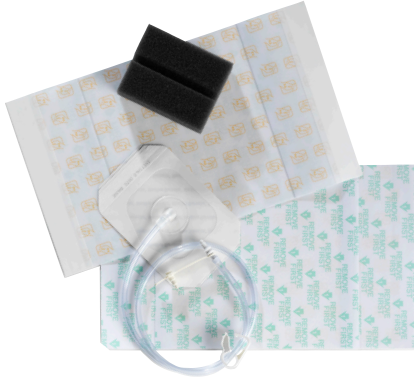


 **smith&nephew**  
**RENASYS<sup>®</sup> G**  
 Negative Pressure  
 Wound Therapy

Gauze kit contents	Kits Small	Medium	X-large
Product codes	66800491 – Round	66800493 – Channel 66800494 – Flat	66800497 – Round
Drain	Flat or 10fr	Flat or channel	19 fr
Non-adherent gauze	1 – 3in x 3in (7cm x 7cm)	1 – 3in x 8in (7cm x 20cm)	3 – 3in x 8in (7cm x 20cm)
Antimicrobial gauze	1 – package 4 x 4s	1 – package Kerlix fluff 6 x 6s	2 – Kerlix roll
Transparent film	2 – 4in x 4.75in (10cm x 12cm) sheets	2 – 6in x 8in (15cm x 20cm) sheets	2 – 8in x 12in (20cm x 30cm) sheets
Connective tubing	1 each	1 each	1 each
Saline bullet	1 bullet	1 bullet	2 bullets
SKIN-PREP <sup>®</sup>	1 packet	1 packet	2 packets
Strip paste	1 strip	1 strip	1 strip
Wound ruler	1 each	1 each	1 each
Waterproof tape	2 strips	2 strips	4 strips
** The examples are just guidelines. They will not be exact for all wounds.	Small wounds. Example: 5.0 x 5.0 x 1.5 cm 38 cm <sup>3</sup> or smaller.	Small to moderate wounds with moderate depth. Example: 8cm x 8cm x 2.5cm - 160 cm <sup>3</sup> Most common kit sold.	Extra large surface area or full thickness wounds with significant depth. Example: 18cm x 18cm x 6.5cm - 2106 cm <sup>3</sup>

## RENASYS-F/P Foam Port (Kit components)

 **smith&nephew**  
**RENASYS<sup>◇</sup>-F/P**  
Foam Port Dressing Kit



Kit contents	Kits Small	Medium	Large
Product codes	66800639	66800640	66800641
Foam dimensions	10cm x 8cm x 3cm	20cm x 12.5cm x 3cm	25cm x 15cm x 3cm
Port	1 x Port Connector	1 x Port Connector	1 x Port Connector
Drape	8in x 12in (20cm x 30cm)	8in x 12in (20cm x 30cm)	8in x 12in (20cm x 30cm)
Number of drapes per pack	1	2	3
Tube fixation film	2 per kit	2 per kit	2 per kit
Ifu	In kit	In kit	In kit
Case size	5	5	5
Case size	5	5	5

## NPWT wound sealing kits

The Smith & Nephew Negative Pressure Wound Therapy (NPWT) sealing kits contain the necessary components to successfully prepare a wound for NPWT using the RENASYS® EZ or RENASYS GO NPWT system.

The type of wound sealing kit required depends on the size and depth of the wound and the drainage requirements.

### Drain guide (gauze kits only)

**Flat** Multipurpose, standard drain for deep or shallow wounds where low or heavy drainage is required. No sediment present.

**Round** 10 French – For shallow wounds where minimal or no drainage is required. No sediment present.

19 French – For deeper wounds (at least 1cm of depth) where moderate to heavy drainage is required. No sediment present.

**Channel** For medium depth wounds where nil to moderate drainage is required. The channel can be inserted into tunnels and curled into undermining space.



Kit name		Description
Medium flat drain		Multipurpose standard drain Deep or shallow wounds Minimal to heavy drainage without sediment
Channel drain		Non-hollow, non-perforated design Minimal to moderate drainage Can be inserted into tunnels and curled into undermining space
Small round drain		May be curled into the wound bed or used in a linear fashion 10 fr: Shallow wounds with minimal to moderate drainage
Extra large round drain		May be curled into the wound bed or used in a linear fashion 19 fr: heavy to moderate drainage with no sediment and at least 1cm of depth

## Wound sealing selection guide



Wound size	Drainage	Dressing selection
Up to 15cm x 10cm	Low	Medium Kit with flat drain Medium Kit with channel drain
	Moderate to heavy	Medium Kit with flat drain Medium Kit with channel drain
Up to 30cm x 20cm	Medium	Large Kit with flat drain
	Sediment present	Medium Kit with channel drain
Up to 30cm x 20cm	Low to heavy	X-Large Kit with round drain
	Sediment present	Large or X-Large with round drain



## Cleaning and disinfecting instructions

The instructions supplied with all cleaning agents must be followed. Canister Kits are not reusable. A new disposable canister kit must be used for each patient.

Disconnect the unit from the power socket before cleaning is commenced. Use a high-level disinfection solution or wipe as described in your local equipment decontamination protocol.

While cleaning, always wear the appropriate protective equipment as described in your local protocol for handling clinical waste. As a minimum, gloves should be worn throughout this process.

### **Please ensure wound vacuum systems have been cleaned and disinfected before returning to Smith & Nephew**

1. As directed in your local protocol for the handling and disposal of biological contaminated equipment, remove the canister and discard it.
2. Carefully wipe all surfaces of the device with the disposable wipe. Particular attention should be made to the handle (RENASYS EZ) and areas close to the canister connection port.
3. Carefully wipe all surfaces of the power cord and power adaptor (RENASYS GO).
4. Use second wipe with the disinfectant solution to thoroughly clean all external surfaces.
5. Allow to air dry (do NOT dry with towel / cloth).

**PLEASE NOTE:** RENASYS GO carry straps should be replaced with each new patient usage.











# Support and educational material

## RENASYS-G Quick reference dressing guidelines

 <p>1. Clean wound bed with normal saline if indicated</p>	 <p>2. Apply skin protection wipe to periwound skin</p>	 <p>3. Cut a single layer of non-adherent wound contact layer to fit the wound dimensions</p>
 <p>4. Lay non-adherent wound contact layer into wound bed</p>	 <p>5. Moisten gauze with saline and squeeze out excess</p>	 <p>6. Place a layer of moistened gauze into wound bed</p>
 <p>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</p>	 <p>8. Secure drain using strip paste beneath and on top of drain as shown</p>	 <p>9. Fill remaining defect to skin level with additional moistened gauze</p>
 <p>10. Cover wound and drain with drape with approx 3–5cm overlap onto surrounding skin</p>	 <p>11. Attach canister to the device, secure dressing tubing to the canister tubing</p>	 <p>12. Ensure tubing clamps are open</p>
 <p>13. Turn on machine. Set desired negative pressure and start therapy</p>	 <p>14. Dressing should collapse and appear firm to touch and have a 'raisin-like' appearance</p>	

## RENASYS-G Quick reference dressing guidelines

Undermining	
 <p><b>Option 1</b> – Follow instructions overleaf making sure that all undermined areas are filled with saline moistened gauze. The drain should also be inserted as described overleaf.</p>	 <p><b>Option 2</b> – Wrap your selected drain in moistened gauze and coil into the wound. Fill remaining defect with saline moistened gauze, secure drain with strip paste and seal with drape</p>
Tunnelled wounds	
 <p><b>Option 1</b> – When the tunnel is only slightly larger than the drain circumference – insert channel drain directly into the tunnel until resistance is felt and then draw back at least 1cm to prevent excess pressure at the wound base. Coil the remaining drain into the wound bed then fill the defect with saline moistened gauze, secure drain with strip paste and seal with drape</p>	 <p><b>Option 2</b> – When the tunnel is larger than the drain circumference, wrap your chosen drain in saline moistened gauze, insert into the tunnel until resistance is felt and then draw back at least 1cm to prevent excess pressure at the wound base. Coil the remaining drain into the wound bed then fill the defect with saline moistened gauze, secure drain with strip paste, and seal with drape</p>
Bridging technique	
 <p><b>Option 1</b> – Treating two wounds in close proximity with one pump – fill both wounds with saline moistened gauze, protect intact skin between the wounds with drape then connect both wounds with a strip of gauze, place drain between the wounds on the strip of gauze connecting the two wounds, secure the drain with strip paste, seal all wounds and the drain with drape</p>	 <p><b>Option 2</b> – Where only one wound is present this technique can be used to move the drain tubing from wound's periphery to a non-weight bearing area. Fill the wound defect with gauze, apply drape onto the skin to create a protective bridge between the wound and the upper body surface. Run a strip of gauze on top of the drape in a continuous strip from the wound to the non-weight bearing surface. Secure the drain with strip paste, cover the wound and all gauze and the drain with drape</p>
Skin grafts	Skin flaps
 <p>Cover graft with non-adherent wound contact layer extending at least 1cm beyond the suture/staple line, place a single layer of moistened wound filler over the prepared area, then place a flat drain as close to the middle of the wound as possible. Cut to fit the wound dimensions if required. Place a single layer of moistened wound filler over the drain and seal</p>	 <p>Cover the intact skin of the flap with transparent film to within approximately 1cm of the suture line. Cover the opposite side of the suture line with transparent film to within approximately 1cm of the suture line (creating a 'ring' of exposed skin around the suture line). Cover this with non-adherent wound contact layer. Then place a single layer of moistened wound filler over the prepared area, place a flat drain as close to the middle of the wound as possible. Cut to fit the wound dimensions if required. Place a single layer of moistened wound filler over the drain and seal</p>

## RENASYS-F/P Foam Quick reference dressing techniques

### Layered technique

		
<p>1</p> <p>Debride any necrotic tissue / eschar if necessary. Cleanse the wound bed and pat dry as per protocol.</p>	<p>2</p> <p>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.</p>	<p>3</p> <p>Cut the foam to fit the size and shape of the wound. Do <u>not</u> cut the foam directly over the wound bed.</p>
		
<p>4</p> <p>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.</p>	<p>5</p> <p>Cover the foam with transparent film. The film should extend 5cm beyond the wound margin to facilitate an adequate seal.</p>	<p>6</p> <p>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</p>
		
<p>7</p> <p>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.</p>	<p>8</p> <p>Remove the backing from the Port dressing.</p>	<p>9</p> <p>Align the opening of the Port over the hole in the film. Use gentle pressure to anchor the Port to the film.</p>
		
<p>10</p> <p>Smooth the dressing down whilst removing the frame.</p>	<p>11</p> <p>Connect the Port tubing to the canister tubing. Ensure the tubing clamps are open.</p>	<p>12</p> <p>Switch on the device, set desired therapy setting and start therapy</p>
		
<p>13</p> <p>The finished dressing should collapse, be firm to the touch and have a wrinkled appearance.</p>		

## RENASYS-F/P Foam specialist dressing technique

### Bridging Two Wounds

<p><b>1</b></p> 	<p><b>2</b></p> 	<p><b>3</b></p> 
<p>Debride any necrotic tissue / eschar if necessary. Cleanse the wound bed and pat dry as per protocol.</p>	<p>Apply SKIN-PREP® or a thin hydrocolloid to the peri-wound skin if required. N.B. SKIN-PREP wipe is not included within the dressing kit.</p>	<p>Cut a strip of foam from around the edge of the foam block. Do <u>not</u> cut the foam directly over the wound bed.</p>
<p><b>4</b></p> 	<p><b>5</b></p> 	<p><b>6</b></p> 
<p>The foam strip will be used to create the foam bridge between the two wound sites.</p>	<p>Cut the foam to fit the size and shape of the respective wounds. Do <u>not</u> cut the foam directly over the wound bed.</p>	<p>Place the pieces of foam into the respective wound cavities. Multiple pieces or layers of foam can be inserted into a cavity, if required, to ensure a perfect fit is achieved.</p>
<p><b>7</b></p> 	<p><b>8</b></p> 	<p><b>9</b></p> 
<p>Cut a piece of transparent adhesive film to size that is large enough to protect the intact skin between the wounds. Remove the backing film and apply the film to the skin between the wounds</p>	<p>Place the cut strip of foam between the two wounds to create the foam bridge.</p>	<p>Seal in all pieces of foam with transparent adhesive film.</p>
<p><b>10</b></p> 	<p><b>11</b></p> 	<p><b>12</b></p> 
<p>Cut a small circular hole in the centre of the film, over the foam bridge. Ensure any loose film dressing is removed. The opening of the Port will be aligned over the hole to deliver Negative Pressure.</p>	<p>Remove the backing from the Port dressing. Align the opening of the Port over the hole in the film. Use gentle pressure to anchor the Port to the film.</p>	<p>Smooth down the dressing whilst removing the frame.</p>
<p><b>13</b></p> 	<p><b>14</b></p> 	
<p>Connect the Port tubing to the canister tubing. Ensure the tubing clamps are open.</p>	<p>Switch on the device, set desired pressure setting and start therapy. The finished dressing should collapse, be firm to the touch and have a wrinkled appearance.</p>	

## RENASYS-F/P Foam specialist dressing technique

### Bridging to a non-weight bearing area

 <p>1</p>	 <p>2</p>	 <p>3</p>
<p>Debride any necrotic tissue / eschar if necessary. Cleanse the wound bed and pat dry as per protocol.</p>	<p>Apply SKIN-PREP® or a thin hydrocolloid to the peri-wound skin if required. N.B. SKIN-PREP wipe is not included within the dressing kit.</p>	<p>Cut a strip of foam from around the edge of the foam block. Do <u>not</u> cut the foam directly over the wound bed.</p>
 <p>4</p>	 <p>5</p>	 <p>6</p>
<p>The foam strip will be used to create the bridge from the wound to the non-weightbearing area.</p>	<p>Cut the foam to fit the size and shape of the wound. Do <u>not</u> cut the foam directly over the wound bed.</p>	<p>Place the foam into the wound. Multiple pieces or layers of foam can be inserted into a cavity, if required, to ensure a perfect fit is achieved. Secure in place with a strip of film.</p>
 <p>7</p>	 <p>8</p>	 <p>9</p>
<p>Measure a piece of film that is long enough and wide enough to run in a continuous piece from the wound to the 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.</p>	<p>Measure a piece of foam that is long enough to run in a continuous piece from the wound to the non-weightbearing area. N.B. the piece of foam must be narrower than the piece of film that you have applied. This will be used to create the bridge for the Port application.</p>	<p>Seal in all pieces of foam with transparent adhesive film.</p>
 <p>10</p>	 <p>11</p>	 <p>12</p>
<p>Cut a small circular hole in the centre of the film, at the non-weightbearing end of the foam bridge. Ensure any loose film dressing is removed. The opening of the Port will be aligned over the hole to deliver Negative Pressure.</p>	<p>Remove the backing from the Port dressing. Align the opening of the Port over the hole in the film. Use gentle pressure to anchor the Port to the film.</p>	<p>Smooth down the dressing whilst removing the frame.</p>
 <p>13</p>	 <p>14</p>	
<p>Connect the Port tubing to the canister tubing. Ensure the tubing clamps are open.</p>	<p>Switch on the device, set desired pressure setting and start therapy. The finished dressing should collapse, be firm to the touch and have a wrinkled appearance.</p>	

## RENASYS-G using Port Connector

### Quick reference dressing guide

		
<p>1 Debride any necrotic tissue/ eschar if necessary. Cleanse the wound bed and pat dry as per protocol.</p>	<p>2 Apply SKIN-PREP® or a thin hydrocolloid to the peri-wound skin, if required. Cut the wound contact layer to the shape of the wound and apply.</p>	<p>3 Moisten gauze with saline and squeeze out excess</p>
		
<p>4 Fill the wound bed with moistened gauze to skin level.</p>	<p>5 Cover the gauze with transparent film. The film should extend 5cm beyond margin to facilitate an adequate seal. Ensure the film is not stretched or applied under tension or pressure to prevent blistering when NPWT is applied.</p>	<p>6 Cut a small circular hole in the centre of the film over the gauze. The hole needs to be roughly 1cm in size. Remove any excess trimmed film.</p>
		
<p>7 Remove the backing from the Port connector.</p>	<p>8 Align the opening of the Port over the hole in the film. Use gentle pressure to anchor the Port to the film.</p>	<p>9 Smooth the Port dressing down whilst removing the frame.</p>
		
<p>10 Connect the Port tubing to the canister tubing. Ensure the tubing clamps are open.</p>	<p>11 Switch on the device, set desired therapy setting and start therapy.</p>	<p>12 The finished dressing should collapse, be firm to the touch and have a wrinkled appearance.</p>

## RENASYS-F/AB

### Quick reference dressing guide

RENASYS-F/AB Abdominal Dressing Kit is intended for use with the RENASYS EZ/ RENASYS EZ PLUS device as a complete Negative Pressure Wound Therapy system for managing open abdominal wounds.

The RENASYS-F/AB dressing kit is made up of the following components:



Organ Protection Layer (OPL) x 1



Perforated Foam x 2



Transparent adhesive film x 6



Port dressing x 1

#### Open Abdominal Wound Preparation

**Warning:** Review all RENASYS NPWT system safety information before beginning wound preparation. Ensure adequate hemostasis has been achieved prior to dressing placement.

1. Sharp edges or bone fragments must be eliminated from wound area or covered
2. Ensure any areas of necrosis are appropriately debrided
3. Irrigate abdominal wound as needed
4. Clean and dry the peri-wound area



#### Organ Protection Layer (OPL) Application

**Warning:** Protect vital structures such as bowel and abdominal organs with the OPL at all times during therapy. Never place exposed foam material directly in contact with exposed bowels, organs, blood vessels or nerves. The OPL is designed to allow application directly over exposed internal organs and can be cut or folded as desired. Either side of the OPL may be placed against the viscera.



1 Remove contents from pouch and prepare the OPL on a sterile field. If cutting the OPL to a different size, ensure that each piece removed has been properly disposed of, away from the open wound.



2 Ensure gloves are wet before applying the OPL. Gently position the OPL evenly into the abdominal cavity, distributing the sides into both of the lateral paracolic gutters. Any excess material on the sides of the OPL may be folded back onto itself.



3 Ensure complete coverage of all viscera in the abdominal compartment with the OPL, prior to filling the wound defect with foam.

#### Perforated foam Application



1 Size the foam to the desired proportions by tearing along the pre-scored perforations. The foam should fit directly over the OPL whilst still being in contact with all the wound edges.

Foam may be cut if required. Do not cut the foam directly over the wound bed. Always rub the edges of any cut foam to remove loose fragments.



2 Do not allow foam to contact intact skin without use of an appropriate barrier such as transparent film or a hydrocolloid. It may be necessary to stack multiple pieces of foam depending on the wound profile. If multiple pieces of foam are required, count and record how many pieces are used.



3 Gently place the perforated foam into the wound cavity over the OPL. Ensure the foam is sized to fit loosely in the wound defect and does not go below the level of the abdominal wall.



## RENASYS-F/AB

### Quick reference dressing guide

#### Transparent Film Application



Holding the transparent film, expose one side of the adhesive backing by removing a single panel apply it to the foam.



Apply film to the foam removing adhesive panels as well as the carrier film to seal.



Cover the foam with transparent film. The film should extend at least 5cm beyond the wound margin to facilitate a good seal.

N.B. When using multiple pieces of film ensure the edges overlap by a minimum of 7.5cm. Avoid stretching or pulling the film to minimise tension or trauma to the peri-wound skin.

#### Port Application



Cut a small hole (no less than 0.6cm) in the centre of the film. Remove any excess trimmed film and dispose of away from the wound.



Remove the backing liner from the Port dressing and align the centre opening over the hole to deliver negative pressure. Use gentle pressure to anchor the Port dressing to the transparent film.



Smooth the dressing down while removing the frame from the Port dressing.

#### Initiation of Therapy



Ensure the canister is installed correctly. Connect the Port tubing to the canister tubing by pushing the quick-click connectors together. Ensure the Port dressing clamp is open and there are no kinks in the tubing.



Activate the RENASYS EZ or RENASYS EZ PLUS device on continuous mode, beginning with -80mmHg and check the dressing has a good seal.



The finished dressing should collapse and be firm to the touch. If required, adjust the pressure setting to desired level.



N.B. The recommended pressure range is -80 to -120mmHg.

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## Case studies / Clinical papers





# Ordering information

## RENASYS<sup>®</sup> Wound vacuum systems

Product code		Type	Description
66800697		Purchase	RENASYS EZ PLUS Wound Vacuum System 
66800164		Purchase	RENASYS GO Wound Vacuum System 
GO / EZ PLUS	RENT-S	Standard Daily Rental	Includes canister holder and power cord
	RENT-C	Consignment Rental	Includes canister holder and power cord
	RENT-L	Long Term Lease	Includes canister holder and power cord
	RENT-LB	Rent to buy	Includes canister holder and power cord

\*Purchased devices receive a carry case free of charge.

## RENASYS<sup>◇</sup> Canisters

Product code	Type	Description
66800423	800ml	RENASYS EZ Large Sealed Canister Kit 
66800058	250ml	RENASYS EZ Small Sealed Canister Kit 
66800165	300ml	RENASYS GO Small Canister 
66800695	750ml	RENASYS GO Large Canister 

## RENASYS<sup>®</sup>-F/P Foam Port Wound Dressing Kits

Product code	Description	Size	Qty
66800639	RENASYS-F/P Foam Port Dressing Kit (Drape 20cm x 30xcm)	Small	5
66800640	RENASYS-F/P Foam Port Dressing Kit (Drape 20cm x 30xcm)	Medium	5
66800641	RENASYS-F/P Foam Port Dressing Kit (Drape 20cm x 30xcm)	Large	5
66800713	RENASYS-F/AB Foam Abdominal Wound Dressing Kit	N/A	5

## RENASYS<sup>®</sup>-G/P Gauze with Port Wound Dressing Kits

Product code	Description	Size	Qty
66800882	RENASYS-G/P Gauze Port Dressing Kit	Small	15
66800882-5	RENASYS-G/P Gauze Port Dressing Kit	Small	5
66800883	RENASYS-G/P Gauze Port Dressing Kit	Medium	15
66800883-5	RENASYS-G/P Gauze Port Dressing Kit	Medium	5
66800884	RENASYS-G/P Gauze Port Dressing Kit	Large	15
66800884-5	RENASYS-G/P Gauze Port Dressing Kit	Large	5

## RENASYS<sup>®</sup>-G Gauze Wound Sealing Kits (Quick Click Connection)

Product code	Description	Size	Qty
66800491-5	RENASYS-G Gauze Wound Dressing Kit (Round Drain)	Small	5
66800491	RENASYS-G Gauze Wound Dressing Kit (Round Drain)	Small	15
66800493-5	RENASYS-G Gauze Wound Dressing Kit (Channel Drain)	Medium	5
66800493	RENASYS-G Gauze Wound Dressing Kit (Channel Drain)	Medium	15
66800494-5	RENASYS-G Gauze Wound Dressing Kit (Flat Drain)	Medium	5
66800494	RENASYS-G Gauze Wound Dressing Kit (Flat Drain)	Medium	15
66800497-5	RENASYS-G Gauze Wound Dressing Kit (Round Drain)	X-Large	5
66800497	RENASYS-G Gauze Wound Dressing Kit (Round Drain)	X-Large	15

## RENASYS<sup>®</sup> Dressing kit components and consumables

Product code	Description	Qty
66800391	NPWT Antimicrobial gauze rolls	5
66800394	NPWT Large transparent dressing (20cm x 30cm)	10
66800504	Y-Connector (Quick Click)	1

## RENASYS<sup>®</sup> Accessories / Spare Parts

Product code	Description	Qty
66800060	RENASYS EZ Canister Holder - one size	1
66800694	RENASYS Port (Ctn/10)	10
66800161	RENASYS GO Power Supply	1
66800162	RENASYS GO Carry Bag	1
66800163	RENASYS GO Carry Strap	1
66800192	RENASYS EZ Carry Bag	1

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Latest information / Product updates