

+ RENASYS EDGE NPWT

Product specifications overview

Smith+Nephew

RENASYS[◇] EDGE
Negative Pressure Wound
Therapy System



+ Introducing the RENASYS[®] EDGE System

The RENASYS EDGE System is indicated for patients who would benefit from a suction device (Negative Pressure Wound Therapy) as it may promote healing via removal of fluids, including irrigation and body fluids, wound exudate and infectious materials.

- Easy to use¹
- Size and weight of device is designed to allow patients to continue with their daily lives/activities²
- Has an intuitive user interface, which guides therapy application step by step¹
- Provides a detailed activity log designed to monitor patient compliance to prescribed therapy
- Has the ability to auto correct the system when changes in pressure occur, to overcome a leak state³
- Self-test functionality in between patient use is designed to help ensure confidence with device performance
- Compatible with RENASYS dressings kits; -F Foam Dressing Kits with Soft Port, -G Gauze Dressing Kits with Soft Port and AB Abdominal Dressing Kit with Soft Port

Requirement	RENASYS EDGE NPWT (ref. 66803126)
Portable	Yes using integrated carry handle – optional carry accessories are available
Dimensions	W150mm x H135mm x D110mm max. (not including canister or carry handle)
Weight	1.13Kg with empty 300 ml canister fitted
Pressure range	-25 to -200mmHg
Therapy modes	Continuous and intermittent
Battery type and charge time	Lithium-ion, around 3 hours
Operating time	>24 hours @ 125mmHg
Display	2.8" 320 x 240 pixel TFT LCD, with integrated backlight module
Operating noise level	24.5dB @1m from device when tested at -125mmHg. 32.5dB @1m from device when tested at -200mmHg @ 1 lpm airflow
Home healthcare auto lock	Locks therapy settings and service mode automatically after 2 minutes
Canister with solidifier	300ml and 800ml
Canister without solidifier	300ml and 800ml
Self-standing	All canisters are self-standing
Canister markings	In 100ml increments
Alerts	Therapy pause too long, Moderate leak, Low battery, Pump too hot for charging
Alarms	Critical air leak, Blockage, Canister Full, Canister missing, Pump too hot for operating, Battery failure, High Vacuum, System failure
Leak assessment	Leak check on draw down with live pressure progress bar
Adjustable compression rates	High, medium and low compression rate options
Adjustable alarm volume	High (75dB), medium (68dB) and low (58dB) @ 1m from device
Pump activity log	Total pump activity, daily and detailed activity log
On device help	Step-by-step troubleshooting animations, QR code linked to S+N webpage with digital resources and customer care contacts
Carry accessories	Carry bag (66803136). Carry straps (66803137). Transit case (66803138)
System Self-Test	On board System Self-Test function check pump's health and will report a failure if a technical fault is detected
Self-test reminder	After 2 weeks of inactivity or 6 months during use
Bluetooth interface	Yes
Autostart	Yes - after 1 hour of inactivity
NFC Interface	ISO15693 compliant interface linked to S+N webpage with digital resources and customer care contacts
Power options	Internal battery or class II mains wall adapter
Power supply electrical input	100-240 V~, 50-60Hz, 1.2 A
Power supply electrical output	3.4 A, +12V
Flow capacities	2lpm @ -25 to -175mmHg, 1.75lpm @ -200mmhg
Medical Device Electrical Safety	Certified to IEC 60601-1 2nd, 3rd and 3.1 Edition packages, plus IEC 60601-1-2 3rd and 4th Edition compliant for facility and home healthcare environments
Safety Protection	Class II, Type BF, IP34
Preventive Maintenance	Not required

1. Smith+Nephew 2022. RENASYS EDGE System Human Factors Summative Report Summary. Internal Report. CSD.AWM.22.071. 2. Smith+Nephew 2022. How the RENASYS EDGE Negative Pressure Wound Therapy System provides continuity of care to the patient Internal Report. EO.AWM.PCS270.003.V1. 3. Smith+Nephew 2022. Summary of Wound Model Testing for RENASYS EDGE Negative Pressure Wound Therapy (NPWT) Device. Internal Report. CSD.AWM.22.065.