

See how the PICO System compares

Smith+Nephew

PICO 
Single Use Negative Pressure Wound Therapy System



PICO Single Use Negative Pressure Wound Therapy System (sNPWT)



PREVENA™ Incision Management System and PREVENA RESTOR™ Incision Management System by 3M



SNAP™ Therapy System by 3M



Avelle™ NPWT System by ConvaTec



Invia Motion™ Negative Pressure Wound Therapy (NPWT) System by Medela

ALL-IN-ONE KIT	✓ ¹	✗ ^{* 2-4}	✗ ⁵	✗ ⁶	✗ ⁷
CANISTER-FREE	✓	✗	✗	✓	✗
EXUDATE MANAGEMENT	Absorption and evaporation 300 ml/week via proprietary dressing, with lock-in layer and evaporation	Canister (PREVENA - 45 ml) (PREVENA RESTOR - 150 ml)	Canister (60 ml or 150 ml)	Absorption and evaporation	Canister (150 ml)
FLUID CAPACITY	Up to 300 ml/week	45 or 150 ml (canister)	120 ml/week x 2 cartridges	108 ± 10 ml/week	150 ml (canister)
PUMP SIZE	65 x 78.5 x 21 mm	136 x 75 x 30 mm 89 x 163 x 46.2 mm	130 x 55 x 25 mm 185 x 75 x 35 mm	72 x 78 x 25 mm	171 x 89 x 51 mm
PUMP LIFE	PICO 7/7Y System – 7 days of therapy PICO 14 System – 14 days of therapy [†]	PREVENA – 8-day life span PREVENA RESTOR – 14 days of therapy ^{2,3}	3-4 days	Single-use, 30-day disposable pump	15/60 days and 10 hours of battery life
PRESSURE SETTING	-80 mmHg nominal ⁸	-125 mmHg	-125 mmHg, -100 mmHg or -75 mmHg, depending on model	-80 mmHg	Setting options per clinician instructions: -40 mmHg, -60 mmHg, -80 mmHg, -100 mmHg, -125 mmHg, -150 mmHg, -175 mmHg
POWER SOURCE	2 AA lithium batteries	PREVENA – 3 AA batteries PREVENA RESTOR – Requires charging	Mechanical	3 AAA lithium batteries	Requires charging
ALL COMPONENTS ARE STERILE	✓	✗	✗	✗	✗
INDICATED FOR BOTH OPEN WOUNDS AND CLOSED INCISIONS	✓	✗	✓ Not for use in sites of care that require sterility	✓	✓
TREAT TWO WOUNDS OR INCISIONS WITH A SINGLE PUMP	✓	✓	✗	✗	✓
COMPRESSION INDICATION	✓	✗	✗	✓	✗
CAN BE USED ON SKIN SUBSTITUTES (FLAPS/GRAFTS)	✓	✗	✓	✓	✓
DRESSING SIZES	8 sizes	2 and 5 sizes ²	5 sizes	5 sizes	4 sizes
WOUND DEPTH	Up to 4.5 cm**	Incision only	No max	2 cm	No max
REQUIRES FILLER	Optional	N/A	Required	Optional ^{††}	Required
DRESSING CHANGE FREQUENCY	Up to 7 days***	Up to 7 days ³⁻⁴	Up to 3x a week	Up to 7 days	Up to 3x a week

^{*}Not all kits

[†]Dressing may be left in place for up to 7 days, depending on the level of exudate

^{**}As demonstrated in vitro. Successful delivery of negative pressure at the -80 mmHg nominal was seen to be at a max depth of 4.5 cm; for PICO 7Y, depth is 2cm

^{††}Filler can only be AQUACEL™

^{***}3-4 days if a filler is used

Indicated for SSI prevention:

When used on closed surgical incisions the PICO[◇] System is the first negative pressure wound therapy system to aid in reducing the incidence of deep and superficial incisional surgical site infections (SSIs) in high risk patients in Class I and II wounds and surgical dehiscence and post operative seromas (for up to 7 days).^{**}

**PICO 7 and 14 sNPWT

A difference for C-section patients:

The results of a recent study found a 43% significant reduction in the risk of SSIs with PICO sNPWT compared to a 19% **non-significant reduction with PREVENA™*** (both compared with standard dressings) in a meta-analysis of RCTs involving obese women undergoing cesarean section.⁹

Clinical settings include, but not limited to:

- Orthopedic surgery
- Abdominal surgery
- Breast and plastic surgery
- Obstetrics and gynecology
- Cardiothoracic and vascular surgery
- Open wounds

Overview of SSI Indications

Indication	PREVENA™ 125 PREVENA™ PLUS 125 System ¹⁰ (7 day unit)	PICO 7 sNPWT PICO 14 sNPWT	PICO 7Y sNPWT	PREVENA™ 125 PREVENA™ PLUS 125 System ¹¹ (14 day unit)
Closed Surgical Incisions	✓	✓	✓	✓
Superficial SSI	✓	✓	✓	✗
Deep SSI	✗	✓	✗	✗
Post-operative Seroma	✓	✓	✓	✗
Surgical Dehiscence	✗	✓	✓	✗
Class I wounds	✓	✓	✓	✗
Class II wounds	✓	✓	✗	✗

*Reduction in risk of SSIs with use of PICO sNPWT vs standard dressings (p=0.018), PREVENA vs standard dressing (p=0.389)

Important Safety Information: For detailed product information, including indications for use, contraindications, precautions and warnings, please consult the product's applicable Instructions for Use (IFU) prior to use. The PICO pumps contain a MAGNET. Keep the PICO pumps at least 4 inches (10 cm) away from other medical devices at all times. As with all electrical medical equipment, failure to maintain appropriate distance may disrupt the operation of nearby medical devices.

References: 1. Malmström M, Huddlestone E, Martin R. Biological Effects of a Disposable, Canisterless Negative Pressure Wound Therapy System. ePlasty. 2014;14:1 - 15. 2. 3M. PREVENA™ Incision Management System. 2019. [online] available from: <https://www.acelity.com/healthcareprofessionals/global-product-catalog/catalog/prevena-incision-management-system> Last accessed March 2020 3. FDA (2018) De Novo Summary (DEN180013); DE NOVO CLASSIFICATION REQUEST FOR PREVENA 125 AND PREVENA PLUS 125 THERAPY UNITS [online] available from: https://www.accessdata.fda.gov/cdrh_docs/reviews/DEN180013.pdf 4. 3M. PREVENA RESTOR™ Incision Management System. 2019. LIT # 29-A388 PRA-PM-US014046 (05/19) 5. https://www.3m.com/3M/en_US/medical-us/healthcare-professionals/wound-care/ 6. <https://www.convatec.com/wound-skin/avelle-negative-pressure-wound-therapy-system/> 7. <https://www.medelahealthcare.us/solutions/negative-pressure-wound-therapy/invia-liberty-npwt-pump> 8. Smith & Nephew 2019. Summary Report of in vitro Wound Model and Negative Pressure Delivery (Nominal -80mmHg) testing for PICO v2 (PICO 7 and PICO 14) System. Internal Report. RD/18/134 V2. 9. Ebohon S. A comparison of RCT-level evidence between two widely used single-use NPWT devices for preventing SSIs in obstetric surgery. Data on file, report EA/AWM/PICO/031/ v2, 30 July 2020. 10. <https://www.acelity.com/-/media/Project/Acelity/Acelity-Base-Sites/shared/PDF/420236a-gde-prevena-125-150ml-canister-clinician-denovo-web.pdf> (last accessed January 2022) 11. <https://www.acelity.com/-/media/Project/Acelity/Acelity-Base-Sites/shared/PDF/420283a-gde-prevena-plus-125-150ml-canister-clinician-denovo-14-day-web.pdf> (last accessed January 2022)

Advanced Wound Management
Smith+Nephew, Inc.
Fort Worth, TX
USA
www.smith-nephew.com
www.possiblewithpico.com

Customer Care Center
T 800-876-1261
F 727-392-6914

Get started with
the PICO System.



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