

PRODUCT PERFORMANCE

But aren't...

all NPWT devices the same?



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Closed incisions

Not all NPWT are the same

Design and technology **differ significantly across NPWT devices**—and so do their clinical and economic results.

Base your decision on a comprehensive set of **well-defined, evidence-based criteria** such as:

- Experience in NPWT
- Clinical efficacy and indications
- Pressure settings and control
- SSCs & SSIs reduction
- Patient comfort and mobility
- Ease of use
- Dressing options and adaptability
- Device sterility
- Environmental considerations
- Cost effectiveness

Experience the difference with PICO[®] sNPWT

CLINICAL OUTCOMES

But doesn't...

all sNPWT offer the
same clinical outcomes
as PICO^o sNPWT?



PICO sNPWT: backed by strong clinical data

To date, **316* clinical publications** (peer-reviewed manuscripts and conference abstracts) regarding **PICO sNPWT** have been identified (166 unique studies), including 60 RCTs, meta-analyses, health economics evaluation of RCTs.

The Lancet publication—sNPWT vs. standard care dressings¹

A meta-analysis of 57 RCTs comprising 13,744 patients published in *eClinicalMedicine*, part of the *Lancet - Discovery Science*, has showed, with **high-quality evidence**, the significant benefit of incisional NPWT (including **PICO sNPWT**) over standard dressings for the **prevention of SSI in a range of wound classifications**. In addition, Trial Sequential Analysis has indicated that new studies are unlikely to change the effect estimate.¹

CLINICAL OUTCOMES



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**Meta-analysis of 57 RCTs, 13,744 patients:
shows significant benefit of incisional NPWT**

Saunders meta-analysis—PICO sNPWT vs. standard care dressings²

A systematic review and meta-analysis of randomized controlled trials and observational studies found that the prophylactic use of PICO sNPWT helped to **significantly reduce the odds of surgical site infections (SSIs) by 57% compared to standard care in orthopedics.**^{1,2}



57% reduction in SSI incidence

PICO sNPWT and guidelines

Thanks to its high-level clinical evidence, PICO sNPWT is the **first system indicated in the US to aid in reducing the incidence of both deep and superficial incisional SSIs** as well as post-operative seroma and dehiscence for high risk patients in Class I and Class II wounds.³

Experience the difference with PICO[®] sNPWT

¹Up to 18 May 2023. Smith+Nephew. Internal report. Evidence analysis report: EA/AWM/PICO/030/V3. ²Ip=0.02; meta-analysis of 5 studies (OR: 0.43). **References:** 1. Groenen H, Jalalzadeh H, Buis DR, et al. eClinicalMedicine (part of the Lancet group). 2023;62:102105. 2. Saunders C, Nherera LM, Horner A, Trueman P. Single-Use negative-pressure wound therapy versus conventional dressings for closed surgical incisions: systematic literature review and meta-analysis. *BJs Open*. 2021;0(0):1–8. 3. Smith+Nephew's PICO 7 and PICO 14 Negative Pressure Wound Therapy Systems are the first systems indicated to aid in reducing the incidence of both deep and superficial incisional surgical site infections and dehiscence. Available at: <http://www.smith-nephew.com/en-gb/news/2022/01/24/20220124-pico-7-and-pico-14-negative-pressure-wound-therapy-systems>. Accessed September 8, 2023.

PRODUCT PERFORMANCE

“But doesn't...

every NPWT system
have consistent
negative pressure?”
Closed
incisions

PICO[®] sNPWT delivers consistent negative pressure with AIRLOCK[®] Technology layer^{1,2}

The PICO System, utilizing the AIRLOCK Technology layer of the dressing^{1,2} **consistently delivers NPWT (nominal -80mmHg) even without a complete seal formation.**^{*2,3}

Delivery of negative pressure is facilitated by the AIRLOCK Technology layer in the PICO Dressing, and was evaluated by Casey C, et al., who used a wound model to demonstrate that PICO sNPWT also **delivered negative pressure at therapeutically relevant levels for 100% of the 72-hour test period** in a wound model that incorporated a small air leak to help reflect clinical practice.¹



**AIRLOCK Technology delivers
consistent NPWT**

PRODUCT PERFORMANCE



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In addition, **PICO sNPWT** system has been validated not only through bench-top testing but also in clinical settings. A prospective, non-comparative, multi-centric clinical trial assessing **PICO** device functionality and clinical acceptance has **confirmed the ability of the simplified single-use device to function consistently over the expected wear time.**⁴



60

RCTs, meta-analyses,
health economics
evaluations of RCTs



62

Case series and
case studies



90

Expert opinion,
case studies or
bench research

PICO sNPWT has **robust clinical evidence**,^{5,6} with a considerable number of randomized controlled trials on closed incisions of varying specialities demonstrating a **reduction in surgical site complications**^{1,5,6}

Experience the difference with PICO^o sNPWT

¹As demonstrated in bench-top testing. **References:** **1.** Casey C. Consistent delivery of therapeutic negative pressure levels by a single use negative pressure wound therapy system (sNPWT)[®] in a wound model. Paper presented at: EWMA; 2019; Gothenburg, Sweden. **2.** Smith+Nephew January 2019. Air Leak Tolerance Report: A comparison of PICO v2 (PICO 7 and PICO 14) Devices to PICO v1.6 (PICO) Devices. Internal report RD/19/006. **3.** Smith+Nephew 2019. PICO Biomechanical Study. Internal report DS/19/211/R. **4.** Hudson DA, Adams KG, Van Hyssteen A, Martin R, Huddleston EM. Simplified negative pressure wound therapy: clinical evaluation of an ultraportable, no canister system. *Int Wound J*. 2015;12(2):195–201. **5.** Saunders C, Nherera LM, Horner A, Trueman P. Single-Use negative-pressure wound therapy versus conventional dressings for closed surgical incisions: systematic literature review and metaanalysis. *BJS Open*. 2021;0(0):1–8. **6.** Smith+Nephew 2022. A meta-analysis of PICO^o surgical site infection outcomes stratified by surgical sub-specialties. EA/AWM/PICO/035/v1.