Quick reference guide

Indicated for deeper wounds >2cm

Smith+Nephew

PICO◊ 7

Single Use Negative Pressure Wound Therapy System



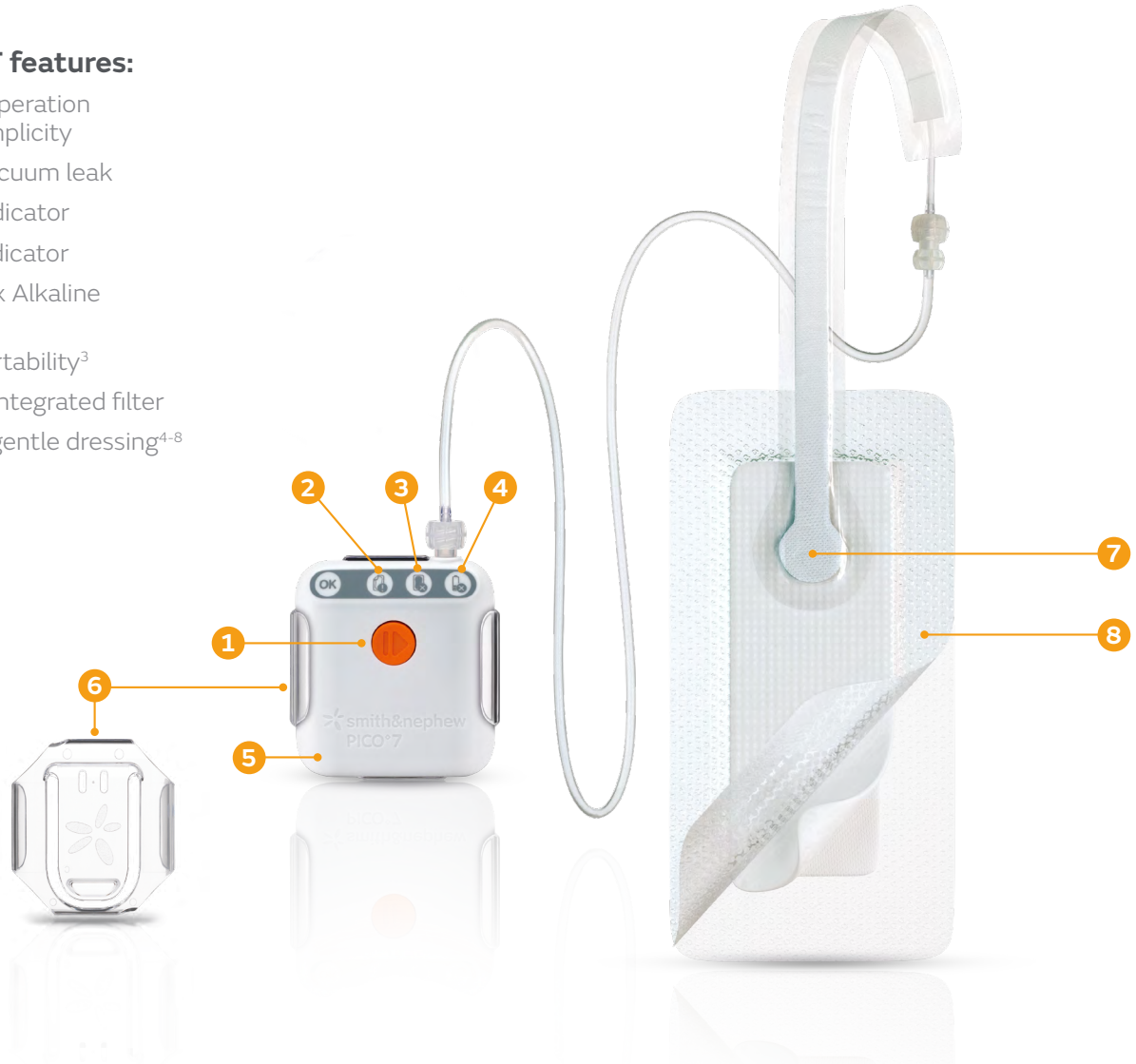
Helping you get **CLOSER TO ZERO**◊ delay in wound healing[1,2]

smith-nephew.com/pico

PICO◊ 7 System overview

PICO 7 sNPWT features:

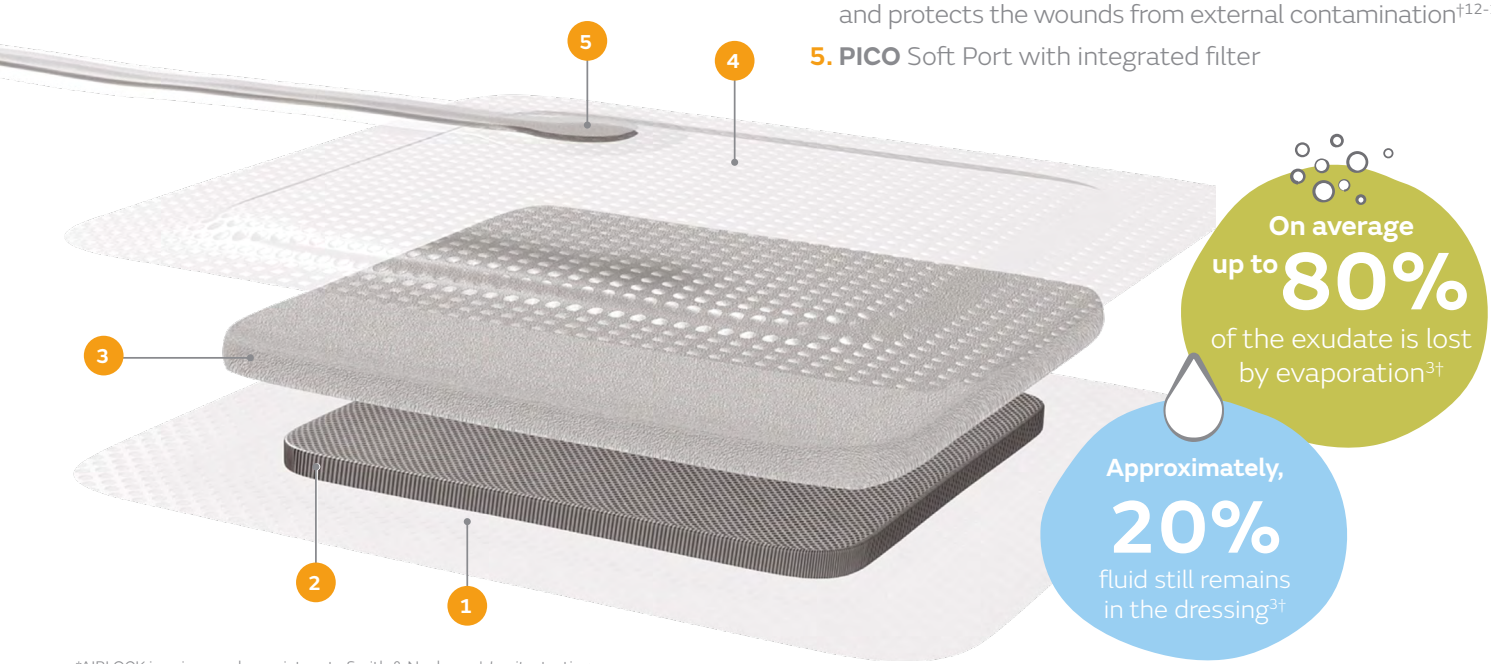
1. Single button operation for ultimate simplicity
2. Indicator for vacuum leak
3. Dressing full indicator
4. Low battery indicator
5. Operates on 2 x Alkaline AA batteries
6. Belt-clip for portability[3]
7. Soft port with integrated filter
8. Revolutionary gentle dressing[4-8]



AIRLOCK◊ Technology for effective outcomes

Only **PICO◊** sNPWT has a proprietary **AIRLOCK*** Technology layer

1. **Silicone adhesive layer** minimises pain on removal[4-8]
2. **Pioneering AIRLOCK Technology** transmits pressure evenly across the whole wound bed and surrounding zone of injury[†9]
3. **Super absorbent core** locking exudate away from wound[†10-11]
4. **Top film layer** has a high moisture vapour transmission rate and protects the wounds from external contamination[†12-13]
5. **PICO** Soft Port with integrated filter



*AIRLOCK is unique and proprietary to Smith & Nephew. † *In-vitro* testing.

PICO◊ 7 sNPWT for deep wounds

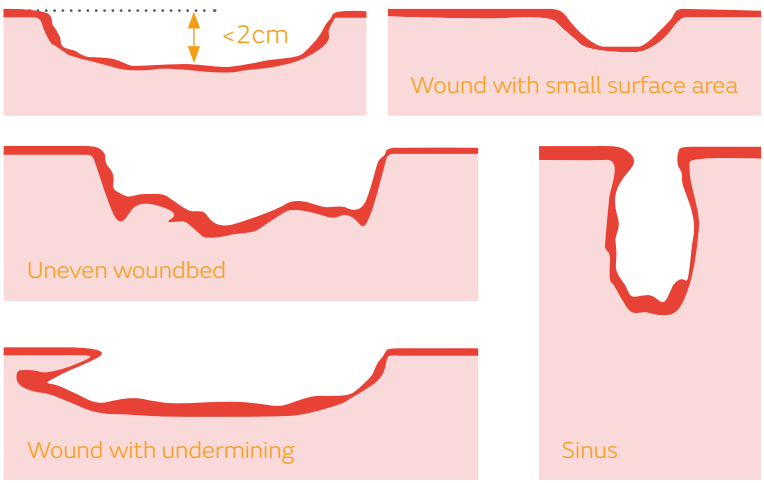
- PICO 7 dressing with AIRLOCK◊ Technology has been shown to be capable of managing low to moderate exudate, and deliver nominal -80mmHg therapeutic negative pressure in wounds greater than 2cm in depth when used with a NPWT wound filler.[14,15]
- As part of an integrated care bundle use of PICO sNPWT on a variety of chronic wounds deeper than 2cm was shown to significantly reduce mean time to wound healing by 11.75 weeks*[15]

PICO dressings can be used with or without fillers

If the wound depth is under 0.5cm the PICO dressing can be applied directly to the wound. If the wound is greater than 0.5cm in depth a NPWT filler is likely to be required.

Hint: When applying PICO dressings without a filler gently use fingers to help conform dressing to the wound

Wounds types under 2cm that the use of a filler would be appropriate:



NPWT wound fillers

Wound greater than 2cm must be treated with a gauze or foam NPWT filler with the PICO System to ensure adequate treatment of all the wound surface.[9]



(Examples of deeper wounds)

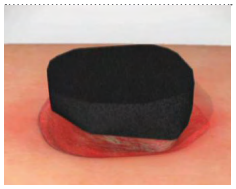
Application of the NPWT wound filler

Gauze filler



- Apply layer of saline-moistened gauze to wound bed. Continue to apply in layers until the gauze loosely fills the entire wound cavity
- Avoid overpacking the wound cavity
- Ensure the gauze is not overlapping onto the peri-wound area

Foam filler



- Cut the foam to fit the size and shape
- Do NOT cut the foam directly over the wound
- Ensure the foam is not overlapping onto the peri-wound area

*Compared to standard dressings; p≤0.05; n=409 vs n=2242.

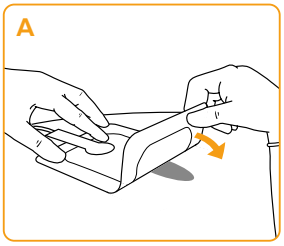
The **PICO◊ 7** sNPWT pump has visual indicators to let the user know when there is an issue. The PICO 7 pump should be carried so that it is accessible and the patient/healthcare professional can check the status routinely in case there is a fault or in case of damage.

Display/indicator status	Possible cause	Comments/troubleshooting
All indicators off 	The pump is in standby.	Negative pressure wound therapy (NPWT) is paused. Press the orange button to restart negative pressure wound therapy.
	The pump has completed its course of NPWT.	Pressing the orange button will not restart NPWT. Healthcare professional to apply new pump and dressing if further NPWT is required.
	The batteries have depleted.	If the pump has not yet completed its course of NPWT, replace the batteries.
Green 'OK' and orange 'leak' indicators flash 	The pump is working to achieve NPWT but has not reached the intended pressure.	Wait up to 100 seconds. Assess whether NPWT has been established.
Green 'OK' indicator flashes 	System is functioning properly. No issues.	The pump may be heard running occasionally as it maintains the negative pressure. This is normal.
Green 'OK' and orange 'battery low' indicators flash 	System is functioning properly but the batteries are low.	Replace the batteries and press the orange button to restart pump.
Orange 'leak' indicator flashes 	A high air leak has been detected. NPWT is not being applied. Note: the pump will automatically try to restart NPWT after 1 hour.	Smooth down the dressing and strips to remove any creases. Press the orange button to restart NPWT. If the air leak remains, the orange 'leak' indicator will flash again after approximately 100 seconds. Ensure that the tube connectors have been twisted together securely.
Orange 'leak' and orange 'battery low' indicators flash 	A high air leak has been detected and the batteries are low. NPWT is not being applied. Note: the pump will automatically try to restart NPWT after 1 hour.	Resolve the air leak according to instructions above. Also replace the batteries and press the orange button to restart the pump.
Orange 'dressing full' indicator flashes 	Dressing is saturated or filter is blocked. NPWT is not being applied. Note: the pump will automatically try to restart NPWT after 1 hour.	Healthcare professional to replace the dressing with a new one and press the orange button to restart the pump.
Orange 'dressing full' and orange 'battery low' indicators flash 	Dressing is saturated or filter is blocked and the batteries are low. NPWT is not being applied. Note: the pump will automatically try to restart NPWT after 1 hour.	Healthcare professional to replace the dressing with a new one. Also replace the batteries and press the orange button to restart the pump.
All indicators solidly illuminated 	A pump error has been detected. The pump can no longer apply NPWT.	Healthcare professional to apply a new pump and dressing.

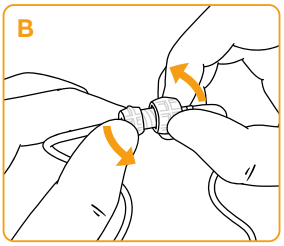
*See PICO 7 sNPWT user manual for complete instructions

Application guide

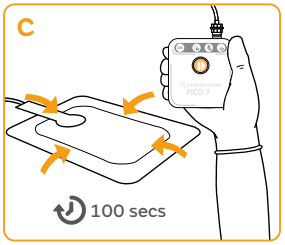
Dressing application

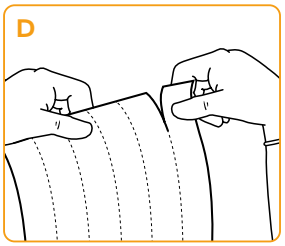


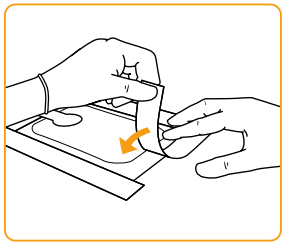
1. Clean and prepare wound according to local protocol.
2. Peel off the first release handle and place the dressing centrally over the wound. The dressing should be applied with the soft port positioned higher than the wound (depending on the patient's primary position), placed on intact skin and not extending over the wound to prevent fluid pooling around the soft port and blocking the therapy. (Figure A)
3. Remove the other remaining handle(s) and smooth the dressing around the wound to prevent creasing. Reposition if required to ensure border is not creased.
4. Insert the batteries into the device. Following this all four indicators should illuminate for 3 seconds.



5. Join the pump to the dressing by twisting together the tubing connectors. Extension tubing can be added if required. (Figure B)



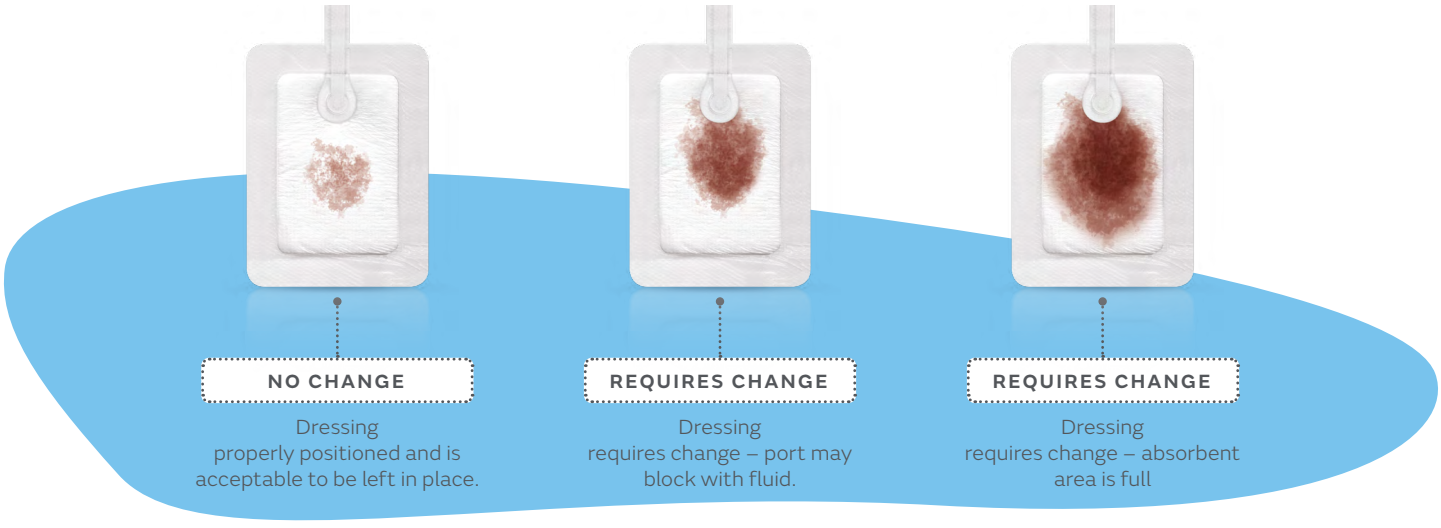




6. Press the orange button to start the application of negative pressure. The green OK indicator and the orange air leak indicator will flash together while working to establish therapy. The "OK" green light will start to flash after about 100 seconds to indicate therapy is established. (Figure C)
7. Apply the fixation strips to each of the four sides of the dressing. (Figure D)

When to change the PICO◊ 7 dressing

The PICO 7 pump has a 7 day life. The PICO dressing may be left in place for up 7 days depending on the level of exudate.
Inspect the PICO dressings regularly. If the dressing appears ready for change press the orange button and disconnect the dressing from the pump.
The fixation strips should be stretched away from the skin and the dressing lifted at one corner and peeled back until it has been fully removed.



User of PICO dressings with fillers

PICO dressings are compatible with standard gauze and foam fillers used in traditional NPWT where clinically appropriate.
When a filler is used, the filler and the PICO dressing should be changed 2 to 3 times per week.

PICO◊ 7 System order references

Dressing	Dressing size	2 x dressing kit*	1 x dressing kit†	Multipacks‡
	10cm x 20cm	66802002	66802012	66802022
	10cm x 30cm	66802003	66802013	66802023
	10cm x 40cm	66802004	66802014	66802024
	15cm x 15cm	66802005	66802015	66802025
	15cm x 20cm	66802006	66802016	66802026
	15cm x 30cm	66802007	66802017	66802027
	20cm x 20cm	66802008	66802018	66802028
	25cm x 25cm	66802009	66802019	66802029
	Mutisite small 15cm x 20cm	66802000	66802010	66802020
	Mutisite large 20cm x 25cm	66802001	66802011	66802021

*2 x dressing kit = 2 dressings + 1 pump. †1 x dressing kit = 1 dressing + 1 pump. ‡Multipacks = 5 dressings only.

Consumables order references

Product		Size	Code
	Foam wound dressing	10cm x 12.5cm	66801021
	5 Antimicrobial Gauze Rolls + 1 SECURA◊ NSBF Wipe	11.4cm x 3.7m	66802127

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.



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1. Dowsett C, *et al*. Use of PICO to improve clinical and economic outcomes in hard-to-heal wounds. *Wounds International*. 2017;8(2):52–58. **2.** Kirsner R, *et al*. A Prospective, randomized, controlled clinical trial on the E_ cacy of a single-use negative pressure wound therapy system, compared to traditional negative pressure wound therapy in the treatment of chronic ulcers of the lower extremities. *Wound Repair and Regeneration*. 2019;27(5):519–529. **3.** Smith+Nephew December 2018. Summary of PICO v2 (PICO 7 and PICO 14) human factors testing. Internal report. RD/18/136. **4.** Hudson DA, Adams KG, Van Huyssteen 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.** Payne C, Edwards D. Application of the single use negative pressure wound therapy device (PICO) on a heterogeneous group of surgical and traumatic wounds. *ePlasty*. 2014:152–166. **6.** Smith+Nephew May 2015. A prospective, open, non-comparative, multi-centre study to evaluate the functionality and dressing performance of a new negative pressure enhanced dressing (NPED) in acute wounds. Internal report. ST865 CT09/02. **7.** Sharp E. Single use NPWT for the treatment of complex orthopaedic surgical and trauma wounds. *Journal of Wound Care*. 2013;22(10):S5–S9. **8.** Stryja J, Staffa R, Říha D, Stryjová K, Nicielniková K. Cost-effectiveness of negative pressure wound therapy in outpatient setting. *Prolekare*. 2015. **9.** Smith+Nephew October 2017. Project Opal PICO 7 System stability testing, initial time point. Internal report. DS/17/253/R. **10.** Malmsjö M, Huddleston E, Martin R. Biological effects of a disposable, canisterless negative pressure wound therapy system. *ePlasty*. 2014;14:1–15. **11.** 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. **12.** Data on file reference 1102010 – Bacterial barrier testing (wet-wet) of PICO Dressing with a 7 day test duration against *S. marcescens*. **13.** Smith+Nephew 2018. Summary of routine QA testing on MVP of PICO dressings. 2018. Internal report. DS/18/153/R. **14.** Smith+Nephew 2018. The review of evidence supporting the use of PICO in wounds > 2cm in depth. Internal report. EO.AWM.PCS230.001.v2. **15.** Hurd T, Gilchrist B. Single use negative pressure wound therapy (sNPWT) in the community management of chronic open wounds deeper than 2cm. Paper presented at: Symposium on Advanced Wound Care/Wound Healing Society Meeting; 2020; Abu Dhabi.