

Information for Clinical Choice Matrix and Support Document

Disposable Negative Pressure Wound Therapy Support Document

Introduction

Information for Clinical Choice (ICC) has been developed to assist clinicians in the decision-making process when assessing the suitability of a product by providing a clear illustration and description of the features of a range of similar products supplied through NHS Supply Chain. The criteria provided, in the form of a Product Matrix and Support Document, is the result of a product review, conducted by DHLs Clinical Procurement and Quality Assurance Team, with support from clinical stakeholders from across the NHS.

The aim, alongside delivering savings back into NHS frontline services, is to ensure that clinical choice remains at the forefront of any product switching decision.

Advanced Wound Care: Disposable Negative Pressure Wound Therapy (DispNPWT)

DispNPWT devices are single patient use pumps and are to be disposed of following deliver of treatment for a set period of time. Disposable devices offer a compact alternative with self-contained power source.

Disposable NPWT has been gaining increasing popularity in recent years as an alternative to traditional systems for smaller, low to moderately exudating wounds. DispNPWT offer increased freedom for the patients in terms of mobility and require less intensive clinician support throughout the treatment period (Tettelbach et al. 2019), (Norman G, 2021)

Product Components

There is some variation from supplier to supplier as to how their system delivers therapy however some form of the following is generally required:

- Device capable of creating negative pressure environment.
- Cannister or occlusive dressing to safely collect and store exudate.
- Tubing to carry exudate from the dressing to storage container.
- Occlusive dressing and/or wound contact layer.

Variations

- Disposable Negative Wound Therapy is usually available to be purchased either as separate Pump and Consumable packs, or bundled together as a single purchase, depending on supplier.

Pump units are all designed to be disposed of following treatment. However various units have different maximum treatment times and this is an important factor for clinicians to consider when selecting the most suitable unit for their patient's needs.

Supplier	Convatec	KCI	Molnlycke	Smith & Nephew
Brand	Avelle	Prevena	Avance Solo	PICO 7
MPC	421551	PRE3201	8881035	66802013
NPC	ELZ853	ELZ984	ELZ1171	ELZ890
Description	Negative Pressure Wound Therapy Disposable Pump Includes 6 batteries	Negative Pressure Wound Therapy Disposable System 1 x prevena plus 125ml therapy unit 1 x 35cm prevena peel & place dressing	Negative Pressure Wound Therapy Disposable System ciNPT Starter Kit includes 1x14 day Pump 1x50ml Canister 1x 10x35cm Silicone Bordered Dressing 4xLithium Ion Batteries	Negative Pressure Wound Therapy Disposable System 10cm x 30cm - 1 dressing kit
Picture				
Route of unit	Stocked	eDirect	eDirect	Stocked
UOI	1	1	2	1
Other products available	Disposable Pump Pump carry bag	Disposable system with cannister Disposable pump Foam Dressings Foam Dressing kits	Disposable system with cannister	Disposable system without cannister Foam Dressing ranging from 12cm to 41cm Disposable System 7 day therapy unit SNAP Dressings
Range of Pressure of Therapy able to be delivered (mmHg)	80mmHg (+/- 20mmHg)	125mmHg	125mmHg	80mmHg
Can the Batteries be changed to increase length of Therapy	✓	✗	✓	✗
Maximum life of treatment from single device	30 days	8 days	14 days	7 days
All consumables intended to be used in the closed system dressing kits must be supplied sterile	✓	✓	✓	✓
What are the dimensions of the device	72mm x 78mm x25mm	136mm x 75mm x 30mm	125mm x 68mm x 30mm	65mm x 79mm x 21mm
What is the weight of the device	78g	20g	130g	150g
Is initial face to face training provided	Yes - RN Support	Yes - RN Support	Yes - RN Support	Yes - RN Support
Can you provide (free of charge) ongoing e-training packages	✓	✓	✓	✓
Is there a 24hr support line	✗	✓	✗	✓
If problems arise how quickly can Trust except a rep or technician to visit (next working day/3-7working days etc)	Next Day	Within 24 hours	1-3 days.	Next Working Day
Availability of deliveries	No Service UK Bank Holidays	365 days	No Service UK Bank Holidays	365 days
Emergency deliveries (outside normal lead times)	Available at no extra cost	Extra cost incurred	Extra cost incurred	Extra cost incurred
Has your company got a 'carbon neutral' policy. (If yes, what is the target year)	Yes - 10% by 2023	Reduce Emissions - No targets	Reduce Emissions - No targets	80% reduction by 2050
Can the device be recycled	✓	✗	✓	✗
Is a recycling service for devices offered	✗	✗	✓	✗

References:

Tettelbach W, Arnold J, Aviles A, Barrett C, Bhatia A, Desvigne M, Gould LJ, Speyrer MS, Suski M, Traynor CJ, Vlad L. Use of mechanically powered disposable negative pressure wound therapy: recommendations and reimbursement update. Wounds. 2019 Feb;31(2 Suppl):S1-S17. PMID: 30741645.

Norman G Goh EL, Dumville JC, Shi C, Liu Z, Chiverton L, Stankiewicz M, Reid A. Negative pressure wound therapy for surgical wounds healing by primary closure. Cochrane Database of Systematic Reviews 2020, Issue 6. Art. No.: CD009261. DOI: 10.1002/14651858.CD009261.pub6. Accessed 17 September 2021.

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