



Hillrom™

Envella Air Fluidized Therapy

Accelerated Healing for
Flap and Graft Procedures



FLAP SURGERIES THAT HAVE COMPLICATIONS¹

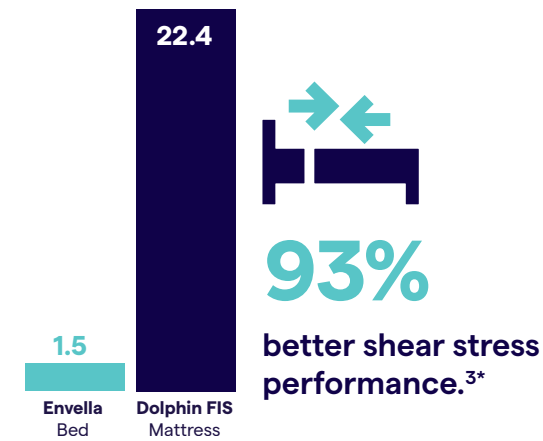
Flaps for wound coverage are becoming popular. However, complications and recurrence rates for flap coverage remain alarmingly high.¹



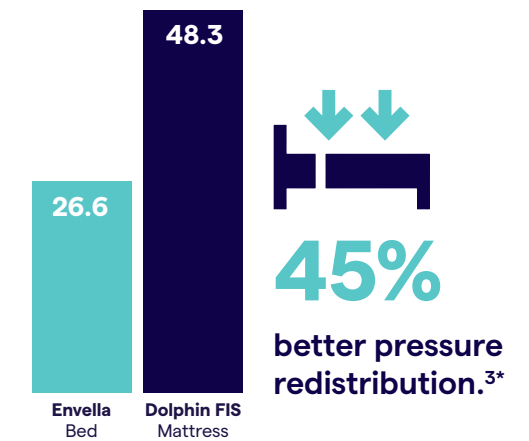
Proven performance with Air Fluidized Therapy

Based on test methods developed by the NPIAP Support Surface Standards Initiative, the Envella AFT Bed performs better than other powered air surfaces.³

SHEAR STRESS
In newtons of horizontal stiffness



PRESSURE
in mmHg



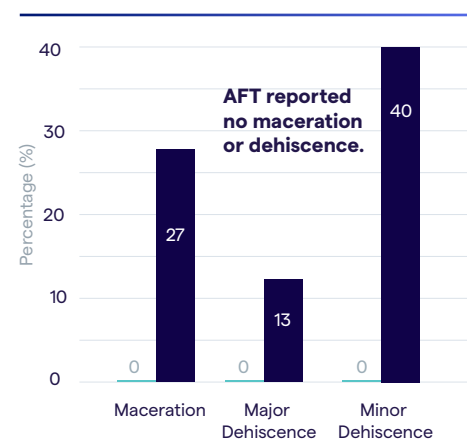
*Based on mechanical performance only

“The [AFT bed]... actively [affects] microclimate management, while the [Dolphin] FIS has no active role on the microclimate.”
– Mendoza, et al. International Wound Journal.²

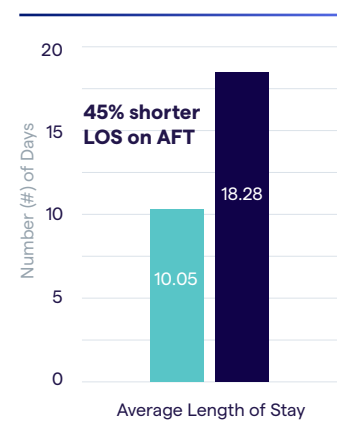
AIR FLUIDIZED THERAPY’S LOWER SHEAR STRESS AND PRESSURE CREATE AN IDEAL HEALING ENVIRONMENT THAT YIELDS OVERALL BETTER POST-OP FLAP RESULTS.

In an acute care study, it was found that post-operative flap patients on Air Fluidized Therapy (AFT) had no dehiscence or maceration, while up to 40% of **Dolphin FIS** patients had these complications. It was also found that AFT patients had a significantly shorter average length-of-stay (LOS).²

COMPLICATION RATE AFT vs Dolphin FIS



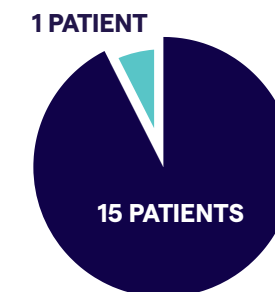
AVERAGE LOS AFT vs Dolphin FIS



■ Patients on AFT ■ Patients on Dolphin FIS

An ideal healing environment leads to improved outcomes

The **Envella** bed’s superior clinical performance for flap and graft patients helps safeguard against post-op surgical complications and accelerate the healing process.⁴



In a post-op study, 16 flap patients were placed on AFT immediately after operation with successful results.

94% OF PATIENTS DEVELOPED NO COMPLICATIONS.

■ No Complications ■ Complications

Better Healing With Elevated Care

Elevate your standard of care today. We can help. Get started at 1-800-638-2546 or visit rental.hillrom.com.

References

¹ Bamba R, Madden J, et al. Flap Reconstruction for Pressure Ulcers: An Outcome Analysis. *Plastic Reconstr Surg Glob Open* 2017;5:e1187; DOI: 10.1097/GOX.0000000000001187.

² Mendoza R, Lorusso G, Ferrer D, et al. A prospective, randomized controlled trial evaluating the effectiveness of the fluid immersion simulation system vs. an air-fluidised bed system in the acute postoperative management of pressure ulcers: A midpoint study analysis. *International Wound Journal*. 2019;16:989-999.

³ Hillrom internal data on file.

⁴ Dolezal R, Cohen M, Schultz R. The Use of Clinitron Therapy Unit in the Immediate Postoperative Care of Pressure Ulcers. *Annals of Plastic Surgery*. 1985;14(1):33-36.

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