YOUR PARTNER IN WOUND DRAINAGE

Medinorm HVS®
High Vacuum System
**HVS® WOUND DRAINAGE**

**HIGH VACUUM SYSTEM (HVS)**

“CONSTANT HIGH VACUUM”

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HVS® WOUND DRAINAGE

High Vacuum System (HVS)

“Constant High Vacuum”

- Constant Suction provided with the pre-evacuated Medinorm® wound drainage systems minimises and prevents all disturbing factors that result in shifting of the tissue layers. Furthermore, constant suction brings and keeps the wound clefts together at the base of the wound.

Berman et al. (1) proved that 80% of the total drainage is collected within 6 hours post-operatively with a constant suction device, whereas with intermittent suction this is spread over days.

The continuous vacuum system was found to provide significantly better wound approximation & less days of drainage into the wound dressing following drain removal than the spring-loaded system.

- Systems are pre-evacuated in production
- Systems are then packed & sterilised
- Ready to use system
- The exact amount of negative pressure is controlled
- Sterility is guaranteed
- Pre-evacuated for constant suction
- High negative pressure
- Closed system
- Easy handling
- More than 30 years of experience with excellent results

Medinorm HVS®

HVS is a high vacuum system. The system has been designed to drain and collect wound fluid with a constant suction.

HVS is specifically indicated for cases where the wound drain is situated between the tissue layers. High vacuum drainage rapidly eliminates any dead space and encourages more rapid wound healing.

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**Constant Suction with Medinorm HVS**

- Constant Negative Pressure
- Assistance of Tissue Layer Distance
- Effective Wound Healing

**Schematic overview showing the benefits of constant suction**

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**Graph showing the difference between constant (blue line) and intermittent (red line) vacuum suction**

(1) Comparison Between Intermittent (Spring-Loaded) and Continuous Closed Suction Drainage of Orthopaedic Wounds; A.T. Berman, D. Fabiano, S.J. Bosacco, A.A. Weiss; Orthopaedics Vol. 13/No. 3
Van Straten Medical, a Dutch family owned company, has been founded by Jaap van Straten in 1975. Van Straten Medical was the first company to introduce completely closed disposable wound drainage systems with a constant vacuum. The company has 5 divisions and various subsidiaries as well as ownership in a production facility, Medinorm, in Germany.

We are active with our products in more than 35 countries in the field of blood management, orthopaedics and wound drainage.

Other products in the Medinorm range are the LVS and LVS NG wound drainage systems for low vacuum wound drainage. The DONOR blood reinfusion system, has been designed for patient’s own blood transfusion. All Medinorm drainage products are pre-evacuated, and the low vacuum systems are the only systems in the world utilizing a constant vacuum.

Applications for high vacuum wound drainage, amongst others:

Orthopaedics:  Knee, Hip, Spine
General:  Mastectomy, Tumour, Hernia
Gynaecology:  Cystocele (200 ml version)
ORL Surgery:  Parotidectomy, Laryngectomy
Plastic Surgery:  Hand, Face Lift, Breast

Use of high vacuum wound drainage devices with these applications should be consulted with the responsible specialist prior to using it with patients. Understand instructions before use, see detailed instructions for use.

Specifications

The double wrapped sterile Medinorm HVS O.R. pack includes either a 600, 400 or 200 ml pre-evacuated wound drainage unit with or without connecting tube with luer lock connection, Anti-Reflux Valve, PVC or PUR drains, Trocar. Please refer to the Van Straten-Medinorm product catalogue to select your product requirements.

For more information contact the Export department of Van Straten Medical or your local distributor.

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