The evolution of V.A.C.® Therapy

One unit, two therapies
V.A.C. Ultra™ Negative Pressure Wound Therapy System
Choose **V.A.C.® Therapy**

**PROVEN BENEFITS**

**Effective Healing**
Mechanism of action promotes granulation tissue formation while providing a closed, moist, wound healing environment.

**Clinically Proven**
V.A.C.® Therapy is the only negative pressure technology substantiated by more than 20 randomized, controlled, clinical trials and over 700 peer-reviewed articles.

**Cost-effective**
In published studies on a variety of wound types, V.A.C.® Therapy has demonstrated the potential to help reduce:
- Length of stay\(^1\text{-}^4\)
- Readmissions\(^1\text{-}^5\)
- Need for surgeries\(^1\text{-}^6\)

**V.A.C.® Therapy** promotes wound healing through well-established mechanisms of action.

**Macrostrain:**
- Decreases wound margins
- Removes exudate
- Reduces edema
- Removes infectious material

**Microstrain:**\(^7\text{-}^{10}\)
Promotes granulation tissue formation and perfusion by means of:
- Cell proliferation
- Fibroblast migration
Choose V.A.C. VeraFlo™ Therapy
ADDITIONAL THERAPEUTIC BENEFITS

V.A.C. VeraFlo™ Therapy is for wounds that would benefit from instillation therapy, such as:
- **Contaminated** wounds with instillation of topical wound cleansers
- **Infected wounds** with instillation of appropriate topical wound solutions; these wounds also benefit from the removal of infectious materials in the V.A.C.® Therapy cycle.

Bench and preclinical studies showed:
- **In a bench top study evaluating the potential for cross contamination:** V.A.C. VeraFlo™ Therapy provided contained controlled wound irrigation without bacterial aerosolization. Standard manual cleansing techniques demonstrated significant bacterial aerosolization 6 inches from the simulated wound site (p<0.05).¹²

- **In a porcine study with saline instillation:** 7 days of V.A.C. VeraFlo™ Therapy using V.A.C. VeraFlo™ Dressing showed a 43% increase in wound fill compared to NPWT using V.A.C.® GranuFoam™ Dressing (p<0.05). V.A.C. VeraFlo™ Therapy cycles utilized a 5 minute soak time followed by 2.5 hours of V.A.C.® Therapy.¹¹

These results have not yet been confirmed in human studies.

V.A.C. VeraFlo™ Therapy provides:

**Volumetric Delivery**
With a pump for automated delivery of topical wound solutions.

**Fill Assist**
Helps determine the correct instill volume.

**Dressing Soak**
Instills topical wound solutions into the wound for easier dressing removal and increased patient comfort.

V.A.C. VeraFlo™ Therapy combines the benefits of V.A.C.® Therapy with automated solution distribution and removal.

- **Cleanses** with instillation of topical wound cleansers in a consistent, controlled manner
- **Treats** with the instillation of appropriate topical antimicrobial and antiseptic solutions and the removal of infectious material
- **Heals** the wound and prepares for primary or secondary closure
## V.A.C.Ulta™ Therapy Accessories

WITH ALL THE RIGHT PIECES

### V.A.C. VeraT.R.A.C.™ Technology

**Enhancement** of SensaT.R.A.C.™ Technology for delivery of negative pressure wound therapy, as well as delivery and removal of topical wound solutions.

- **V.A.C. VeraT.R.A.C.™ Pad**
  - Delivery and removal through a single pad.

- **V.A.C. VeraT.R.A.C.™ Duo™ Tube Set**
  - Delivery and removal through separate pads.

- **V.A.C. VeraLink™ Cassette**
  - Holds and delivers user-provided wound solutions.

### V.A.C. VeraFlo™ Dressings

Provides even distribution and removal of wound solutions across the wound bed.

- **V.A.C. VeraFlo™ Dressing**
  - Promotes granulation tissue formation and is appropriate for wounds when using V.A.C. VeraFlo™ Therapy.

- **V.A.C. VeraFlo Cleanse™ Dressing**
  - Allows clinicians flexibility in addressing wounds with complex geometries and is appropriate for wounds when using V.A.C. VerFlo™ Therapy.

### Dressing Property

<table>
<thead>
<tr>
<th>Dressing Property</th>
<th>V.A.C.® GranuFoam™ Dressing</th>
<th>V.A.C.® WhiteFoam Dressing</th>
<th>V.A.C. VeraFlo™ Dressing</th>
<th>V.A.C. VeraFlo Cleanse™ Dressing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Black Polyurethane ether</td>
<td>White Polyvinyl alcohol</td>
<td>Black Polyurethane ester</td>
<td>Grey Polyurethane ester</td>
</tr>
<tr>
<td>Open cell reticulated</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pore Size</td>
<td>400-600 microns all directions</td>
<td>60-270 microns</td>
<td>400-600 microns</td>
<td>133-600 microns depends on direction</td>
</tr>
<tr>
<td>Relative hydrophobicity* (lowest value = highest level of hydrophobicity)</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Shape</td>
<td>Variable shapes/sizes</td>
<td>Sheets</td>
<td>Spiral cut sheet</td>
<td>Rod with center perforations for ease of separation into halves</td>
</tr>
<tr>
<td>Tensile Strength - Dry</td>
<td>Baseline</td>
<td>3 times greater than baseline</td>
<td>1.7 times greater than baseline</td>
<td>2.5 times greater V.A.C. VeraFlo™ Dressing™ dry</td>
</tr>
<tr>
<td>Tensile Strength - Wet</td>
<td>Baseline</td>
<td>3.7 times greater than baseline</td>
<td>1.5 times greater than baseline</td>
<td>3 times greater than V.A.C. VeraFlo™ Dressing™ wet</td>
</tr>
</tbody>
</table>

### Therapy Applied

<table>
<thead>
<tr>
<th>Therapy Applied</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>V.A.C.® Therapy</td>
<td>Baseline 20% less than baseline</td>
</tr>
<tr>
<td>V.A.C. VeraFlo™ Therapy (Saline)</td>
<td>43% greater than baseline</td>
</tr>
<tr>
<td>V.A.C. VeraFlo™ Therapy</td>
<td>- 37% greater than V.A.C.® WhiteFoam Dressing with V.A.C.® Therapy</td>
</tr>
<tr>
<td>V.A.C. VeraFlo™ Therapy (Saline)</td>
<td>- 24% less than V.A.C. VeraFlo™ Dressing with V.A.C. VeraFlo™ Therapy</td>
</tr>
</tbody>
</table>

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*lowest value = highest level of hydrophobicity
**Granulation thickness based on histology; results have not yet been confirmed in human studies.
Proven V.A.C.® Therapy System
Compatible for use with existing V.A.C.® Therapy System accessories:

Enhanced Graphic User Interface
Intuitive touch screen menu with less screens to initiate therapy
Simple therapeutic programming

Customized Pressure Algorithms
Continuous negative pressure (from -25 to -200mmHg)
Dynamic Pressure Control is the evolution of intermittent therapy that maintains minimum negative pressure levels between cycles, helping to prevent leaks and fluid accumulation that can occur when there is no negative pressure at the wound site

SensaT.R.A.C.™ Technology provides continuous feedback for enhanced negative pressure accuracy.
V.A.C.® GranuFoam™ Dressings help promote granulation tissue formation and facilitate exudate removal.
V.A.C.® Canisters collect exudate.
Seal Check™ Leak Detector offers instant feedback to help identify leaks.
When using V.A.C.Ulta™ Therapy Unit for V.A.C.® Therapy only, it is compatible with V.A.C.® Dressings featuring SensaT.R.A.C.™ Technology.

### V.A.C. ULTA™ SYSTEM ORDERING INFORMATION FOR V.A.C. VERAFLÔ™ THERAPY

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULTDEV01US</td>
<td>V.A.C.Ulta™ Therapy Unit, United States</td>
</tr>
<tr>
<td>ULTVFL05SM</td>
<td>V.A.C. VeraFlô Dressing, 5-pack, Small</td>
</tr>
<tr>
<td>ULTVFL05MD</td>
<td>V.A.C. VeraFlô Dressing, 5-pack, Medium</td>
</tr>
<tr>
<td>ULTVCL05MD</td>
<td>V.A.C. VeraFlô Cleanse™ Dressing, 5-pack, Medium</td>
</tr>
<tr>
<td>ULTLNK0500</td>
<td>V.A.C. VeraLink™ Cassette, 5-pack</td>
</tr>
<tr>
<td>ULTDUO0500</td>
<td>V.A.C. VeraT.R.A.C. Duo™ Tube Set, 5-pack</td>
</tr>
<tr>
<td>M8275063/5</td>
<td>500mL InfoV.A.C.® Canister with Gel</td>
</tr>
<tr>
<td>M8275093/5</td>
<td>1000mL InfoV.A.C.® Large Canister with Gel</td>
</tr>
</tbody>
</table>

*V.A.C. Ulta™ device is compatible with all InfoV.A.C.® canisters

12. Allen D, Bondre IL, McNulty AK. Comparison of bacterial aerosolization during wound cleansing via two methods: Pulsed lavage and normal saline instillation in conjunction with negative pressure wound therapy. Wound Repair and Regeneration 18[2], A41. 3-1-2010.
13. KCI data on file

For more information about the V.A.C.Ulta™ Therapy System, contact your KCI Representative, or visit [www.vaculta.com](http://www.vaculta.com). 1-800-275-4524

NOTE: Specific indications, contraindications, warnings, precautions and safety information exist for KCI products and therapies. Please consult a physician and product instructions for use prior to application. Rx only.

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