ActiV.A.C.®
Designed for better wound care
Defining effective wound healing

Successful wound management in the community is the combination of using the most effective wound-healing therapy with assuring the highest possible patient quality of life outcome all in a cost-effective manner.

The ability to get on with life is closely related to the degree of mobility a therapy allows. Comfort and piece of mind require that the therapy is easy to use and discrete to wear. All in all, the aim must be to offer the patient their normal life in familiar surroundings.

- Complete mobility.
- Easy to use.
- Compact and discrete.
- Successful transitions from clinical to home care environment.
Effective therapy

A growing body of clinical evidence demonstrates clearly that V.A.C.* (Vacuum Assisted Closure) Therapy outperforms the use of wet to dry gauze and advanced moist wound dressings.¹ ² ActiVAC® is a next generation system offering all the benefits of V.A.C.* Therapy in a simple, intuitive, easy-to-use package.

Case report: Chronic wound

A 70 year old female patient with a history of diabetes with peripheral neuropathy, retinopathy, obesity and COPD. The patient had a non-healing diabetic ulcer on the plantar surface of the right midfoot. This chronic diabetic ulcer had been present for 3 years. During this time various traditional and advanced wound care modalities were tried but progress to closure was slow.

Case report: Acute wound

A 52 year old female patient, with 3 surgical wounds (due to removal of metastases) hypertonia, angina pectoris, adiposis, type II diabetes, anus praeter, stoma, compartment syndrome in both lower legs. 8 weeks in hospital, surgical wound treated with V.A.C.* Therapy for rapid wound closure in order to prepare patient for chemotherapy.


“Vacuum Assisted Closure Therapy can be applied to a wide variety of wounds, improving the quality of life of our patients.”

Louis C. Argenta, MD, and Michael J. Morykwas, PhD, USA
Designed for better wound care

Searching for better wound care

ActiV.A.C.* is designed for complete mobility to ensure better outcomes in the management of wounds for patients in the home or in the process of being discharged from a clinical environment.

Ease and speed of use are greatly enhanced with features such as full colour touch screens, electronic seal checking and settings guide.

- Intuitive software – touch screens and a fully re-programmed menu system.
- Click-fit canister application – for rapid, hygienic fitting and removal.
- Aural and visual application guidance system – distinctive alarms are supported by clear on-screen guidance explaining the current problem and illustrating the steps required for rapid rectification.

Clinically proven V.A.C.* Therapy in a fully portable unit.

- Detailed course of therapy history recording – the unit automatically logs therapy usage including therapy settings, duration and alarms.
- Anti-clog technology – the 3d multi-channel profile of SensaT.R.A.C.* prevents blocking and clogging.

The lightweight, portable design combined with Seal Check™ and SensaT.R.A.C.* technology improve patient comfort and reduces distress.

- Long battery life for extended operation.
- Skin-soft conformable SensaT.R.A.C.* – the reticulated structure of the pad presents a large surface area of even pressure to the wound, offering a comfortable fit and minimises the risk of pressure damage to the skin.
- Odour control. The infection exudate management system controls strong odours.

System elements

- Dressing application
- Drape application
- SensaT.R.A.C.* application
- Therapy unit

V.A.C.® Therapy delivers lower hospitalisation costs and lower costs of nursing time when compared with using moist gauze.²

- Cost effective – only 3% of wound management costs relate to dressings. The rest sits mostly in nursing time and hospital costs.⁴
- The speed and efficacy of the Integrated V.A.C.® Therapy System cuts these costs.

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- Settings guide
- Detailed therapy history report
- Seal Check™
- Clear on-screen alarm explanations
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Designed to keep you informed

System operation
Full colour touch screens and intuitive logical menus ensure that the Integrated V.A.C.® Therapy System is simple to operate.

Simplified touch screen:
- Easy-to-use, intuitive, color screen navigation.
- Single touch therapy on/off.
- Therapy setting confirmation screens.

Settings guide:
- Aligned with V.A.C.® Clinical Guidelines.
- Preset therapy settings by wound type.
- Step-by-step guide to therapy set-up.

Detailed therapy history report:
- Documents patient compliance.
- Allows clinicians to monitor and track:
  - Therapy settings and alarm history
  - Therapy dates and times
  - Dressing and canister changes.
- Can be easily downloaded.

Seal Check™:
- Helps caregivers and patients identify and troubleshoot negative pressure leaks.
- Provides real-time feedback with audio and visual cues for leak location.
- May reduce unscheduled caregiver visits due to better seal integrity.

SensaT.R.A.C.® Therapy Unit
Foam Dressings
Sizes, shapes and formulations to suit all wound types.
Intelligent technology to monitor and maintain even pressure at the wound site.
Delivering managed, measured, alarmed and recorded negative pressure.

Integrated System
“The interface foam dressing may actually be critical in the transmission of pressure”

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Integrated System

The Integrated V.A.C.® Therapy System is a proven, non-invasive, advanced approach to wound healing. The System uses an intelligent therapy unit to deliver controlled negative (sub-atmospheric) pressure to the wound site. Specialised foam dressings, applied to the wound site, ensure that fluid is continuously drawn away from the wound and SensaT.R.A.C.® Technology manages the equal distribution of pressure across the wound area.

“The interface foam dressing may actually be critical in the transmission of pressure”

KCI: Your global partner

The global medical technology company with leadership positions in advanced wound care and therapeutic surfaces. Our service has been designed, to maximise the capability of our customers to deliver better wound care.

- A comprehensive programme of introductory training and ongoing education.
- 24-hour customer service to address real-time requirements.
- Assured best practice, with continued research and development investment in products and services.
- Global library of clinical evidence, with 30,000 patients assisted world-wide every single day.

V.A.C.® Therapy indications: Chronic wounds (pressure ulcers and diabetic wounds), sub-acute wounds (surgical dehiscence, abdominal) and acute wounds (traumatic wounds, partial-thickness burns, flaps and grafts).

V.A.C.® Therapy contraindications: Contraindicated for patients with malignancy in the wound, untreated osteomyelitis, non-enteric and unexplored fistulae, or necrotic tissue with eschar present. Do not place V.A.C.® dressing over exposed blood vessels or organs.

V.A.C.® Therapy precautions: Precautions should be taken with patients with active bleeding, difficult wound haemostasis, or who are on anticoagulants. Follow Universal Precautions. When placing the V.A.C.® dressing in proximity to blood vessels or organs, take care to ensure that they are adequately protected with overlying fascia, tissue or other protective barriers. Greater care should be taken with respect to weakened, irradiated or sutured blood vessels or organs. Bone fragments or sharp edges could puncture a barrier, vessel or organ. Wounds with enteric fistula require special precautions in order to optimise V.A.C.® Therapy. Refer to the KCI V.A.C.® Therapy Clinical Guidelines for more user information.

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