Hill-Rom®

Clinitron® Air Fluidized Therapy

Clinitron At•Home® AFT

Clinitron® Rite•Hite® AFT

At a glance

- AFT accelerates wound healing, reducing the cost of care
- Relieves pressure on wound sites, allowing for increased capillary blood flow
- Maintains a cleaner, more comfortable micro-environment to inhibit bacterial growth
- Minimizes shear, friction and maceration to promote healing
- Regulates thermal environment to minimize temperature fluctuation
- Reduces the workload of nursing staff
- Appropriate for acute care, long-term care and home care

The right choice for healing

The highest level of wound care, Air Fluidized Therapy (AFT) provides more benefits than any other therapy surface. AFT allows patients to heal faster—pressures well below capillary closing improve blood flow to the skin, reducing pain and accelerating healing. The result? Lower cost of care.

Clinitron® II AFT

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Enhancing Outcomes for Patients and Their Caregivers.®

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Clinitron® Air Fluidized Therapy

Acute Care

Long-Term Care

Home Care

Jump start the healing

Patients with complex, advanced wounds are difficult to heal and expensive to manage. Clinitron AFT gets them off to the best possible start by significantly lowering shear and pressure, dramatically decreasing the time to heal.

Clinitron AFT's healing benefits are ideal for:

- Multiple or advanced Stage II, Stage III and Stage IV pressure ulcers
- Flaps and grafts
- Burns
- Intractable pain
- Patients requiring unrestrictive positioning

Proven results

Numerous studies show the benefits of Clinitron AFT, clinically and financially. Some highlights:

- A major study, NPULS, compared the healing rates of therapeutic surfaces. AFT delivered significantly faster rates of healing than other surfaces and reduced patient hospitalization.[1]
- Performance testing shows the superiority of AFT in managing shear forces and interface pressure, when compared to all other support surfaces, especially in the vulnerable heel area.[4]

AFT cost savings

	Air (Group II)	AFT (Group III)
Healing Rate (cm^2/wk)	0.7	3.1
Pressure Ulcer Size (LxW Ex: 7 x 7 = 49cm^2)	49.0	49.0
Weeks to Heal	70.0	15.8
Days	490.0	110.6
Pressure Ulcer Cost to Treat/Day[2] (excludes therapy surface)	$97	$97
Cost to Heal	$47,530.00	$10,732.58
Savings Differential		**$36,797.42**
Therapy Surface Rental/Day	$25	$85
Days	490.0	110.6
Total Therapy Surface Cost	$12,250.00	$9,404.84
Surface Cost Differential		-$2,845.16
Net Savings with AFT		**$39,642.58**

NPULS data, Group II and III have similar severity of illness

A product for any setting

With our line of three Clinitron® products, Hill-Rom provides the faster healing benefits of AFT therapy for a wide variety of care settings and many levels of acuity.

Designed for comfort and caregiver efficiency

All Hill-Rom's Clinitron products are focused on patient comfort and caregiver convenience. The surface is temperature controlled and bacteriologically clean. A permeable filter sheet allows fluids to flow away and gentle, healing air to reach the patient's skin.

The Clinitron surface immerses the patient in a gentle, fluid-like environment and aids caregivers during dressing changes, pulmonary care, turning and repositioning.

Acute Care
Long-Term Care

Clinitron® Rite•Hite® AFT

- Provides a combination of AFT and low air loss therapies on an articulating frame.
- Specifically targets the sacrum, ischium, trochanter, and heels, where 95 percent of all wounds occur.[3]
- Low height makes patient positioning, egress easier. Hi/Lo adjustment provides a safer working height for caregivers.
- Head-of-bed elevation for optimal pulmonary positioning and patient comfort.

Home Care

Clinitron At Home® AFT

- Modular construction for easy assembly in most home settings, including mobile homes.
- Low position of 26" provides for easier patient transfer.
- Can be elevated to 34" for more comfortable care of the bed-bound patient.
- Hand-held pendant provides greater patient autonomy.

Acute Care
Long-Term Care

Clinitron® II AFT

- Full-length AFT provides maximum therapy with full body immersion.
- Avoids positioning constraints.
- Bacteriostatic environment to promote wound healing.

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Clinitron® Air Fluidized Therapy

Technical Specifications

Clinitron® Rite•Hite® AFT

Therapeutic Weight Limit ..... 350 lbs

Length
Overall ..... 92.3"
Rest surface ..... 84"

Frame Width
Siderails off ..... 36"
Siderails on ..... 42"

Height
Sleep surface frame ..... 21.5"
High-low travel ..... 21.5" to 34.75"
Headboard ..... 47"
Frame ground clearance ..... 6.7"

Bed Weight ..... 1,250 lbs

Temperature range ..... 82° to 102° F

Sound level ..... 57.0 dBa @ patient head

Microspheres ..... Medical grade, silicone-coated soda-lime beads
55 to 150 micron diameter

Filter sheets ..... Monofilament polyester with approximately 37-micron square openings

Power Requirements
Voltage ..... 120 V AC (+/- 10%), 60 Hz
Operating ..... 4.0 amps
In cooling mode ..... 4.3 amps
In heating mode ..... 6.5 amps
Hydraulics operating ..... 8.8 amps
Meets U.L. 2601-1 (file number upon request)

Option
Patient-Helper Trapeze safe working load ..... 165 lb (75 kg)

Clinitron® II AFT

Therapeutic Weight Limit ..... 215 lbs

Length
Overall ..... 87"
Inside ..... 84"

Width
Overall ..... 35"
Inside ..... 32"

Height
Overall ..... 34.375"
Inside ..... 12"
Ground clearance ..... 7.25"

Bed Weight
Unit empty ..... 380 lbs
Microspheres ..... 1,250 lbs
Total weight ..... 1,630 lbs

Temperature range ..... 82° to 104.2° F
(Ambient room temperature 70° F)

Sound level ..... 49.5 dBa

Microspheres ..... Medical grade, silicone-coated soda-lime beads
55 to 150 micron diameter

Filter sheets ..... Monofilament polyester with approximately 37-micron square openings

Foam backrest ..... Sectional polyurethane foam wedge provides the following degrees of elevation: 13°, 20°, 33°, 67°

Power Requirements
Voltage ..... 115 V AC 60 Hz
Current / Operating ..... 6.8 to 9.2 amps
Current / Starting ..... 27 amps
Meets U.L. Spec. 544 Approved by E.T.L. Testing Lab (file number upon request)

Clinitron At•Home® AFT

Therapeutic Weight Limit ..... 350 lbs

Length
Overall with headboard and footboard ..... 91"
Sleep surface ..... 84"

Width
Sleep surface ..... 34"
Siderails on ..... 41"

Height
Sleep surface without spacers under base ..... 26"
Spacer (maximum 3) ..... 4"

Weight
Bed weight ..... 950 lbs

Power Requirements
Voltage ..... 104 V to 127 V AC (+/- 10%), 60 Hz
(Nominal is 115 V AC)
Operating power consumption ..... 385 W
Maximum power consumption (during heating) ..... 644 W

References

1 Ochs RF, Horn SD, et al. Comparison of Air-Fluidized Therapy with Other Support Surfaces Used to Treat Pressure Ulcers in Nursing Home Residents. *Ostomy Wound Management*, 2005, 51(2):38-68.

2 Long Term Care Facility Cost Survey, 2004; Hill-Rom, Inc.

3 David R. Thomas, M.D., "Prevention and Treatment of Pressure Ulcers: What Works and What Doesn't". Cleveland Clinic Journal of Medicine, Volume 68, Number 8, August 2001, pp. 705-722.

4 Lachenbruch C, Kennerly S. Interface pressure and shear comparison between air-fluidized and conventional surfaces. In: Proceedings of the 18th Annual Clinical Symposium on Wound Care (CSWC). Las Vegas; October 2003.

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