

Hill-Rom Clinitron® Air Fluidized Therapy



Clinitron® II AFT

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

Long the “gold standard” in 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? Fewer re-hospitalizations and lower cost of care.

Hill-Rom 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 and reducing the risk of re-hospitalization.

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.²

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*	\$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
* LTC facility survey, 2004*



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 airloss therapies on an articulating frame
- Specifically targets the sacrum, ischium, trochanter, and heels, where 95 percent of all wounds occur³
- 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



Technical Data

Clinitron® Rite•Hite® AFT Specifications

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"
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)	

Clinitron® II AFT Specifications

Length:	
Overall:	87"
Inside:	84"
Width:	
Overall:	35"
Inside:	32"
Height:	
Overall:	34.375"
Inside:	12"
Ground Clearance:	7.25"
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 Specifications

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:	4"

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

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References

¹ Ochs RF, Hom SD, Smout RJ, et al. Effect of Support Surface on Pressure Ulcer Healing Rate. Accepted WOCN June, 2004.

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.