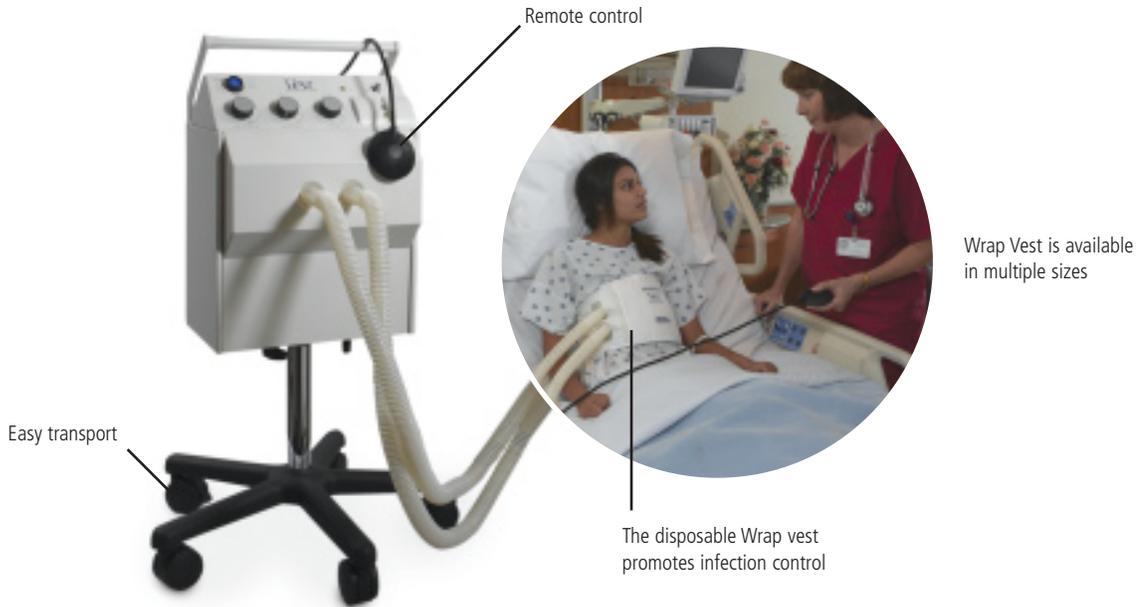


Hill-Rom The Vest™ Airway Clearance System



Easy application of consistent, effective airway clearance therapy

At a glance

- Helps mobilize pulmonary secretions through high-frequency chest wall oscillation (HFCWO) therapy
- Provides safe, consistent, effective therapy
- Easy to administer and comfortable for the patient
- Helps reduce pulmonary complications and increase clinical stability

In today's busy health care environment, finding time to administer manual chest percussion, with postural drainage, is a challenge for caregivers. Additionally, some patients may be unable to tolerate optimal positioning or chest clapping with manual therapy. Yet pulmonary complications triggered by impaired airway clearance can have serious results—inflammation, infection, lung damage, even respiratory failure.

The Vest™ system provides exceptionally consistent, easy-to-use therapy. Through high-frequency chest wall oscillation (HFCWO) technology, The Vest™ system dislodges mucus from the bronchial walls, thins and mobilizes secretions, and mobilizes mucus from the smaller to larger airways, where it can be cleared by coughing or suctioning.



Saves time and effort

Manual chest percussion therapy is time-consuming, with a complete session typically taking up to 45 minutes. A session with The Vest system takes less than half the time (typically 15-20 minutes).

The patient does not have to be repositioned during therapy—safer for the caregiver and more comfortable for the patient. In fact, the therapy can be administered to a patient in any position, even while sitting in a bedside chair. Disposable, single-patient-use vests provide superior infection control.

Effective for secretion clearance dysfunction arising from a variety of conditions

The Vest has been prescribed for secretion clearance dysfunction associated with a variety of diseases and conditions, including cystic fibrosis, muscular dystrophy, chronic obstructive pulmonary disease, and cerebral palsy. It has been successfully used to maintain healthy lung function in post-operative, ICU, and post lung transplant patients.



Airway Clearance Therapy Indications*

- Production of excess or abnormal airway secretions
- Atelectasis, mucous plugging or pulmonary infiltrate demonstrable on chest x-ray
- Ineffective or impaired cough
- Hypoventilation/hypoxemia
- Diagnosis of pneumonia
- Artificial airway
- Mechanical ventilation
- Aspiration
- Immobility
- Post thoracic or abdominal surgery
- Pre-peri-post thoracic organ transplantation
- Post trauma with risk for pneumonia
- Prolonged anesthesia
- Frequent need for therapeutic bronchoscopy/lavage
- Need for diagnostic sputum induction

Absolute Contraindications

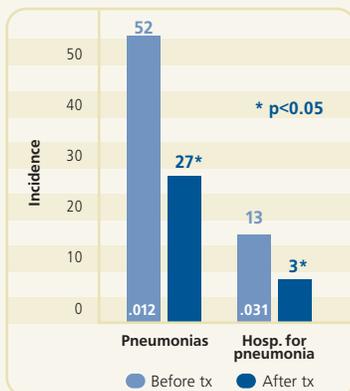
- Head and neck injury until stabilization
- Active hemorrhage with hemodynamic instability

* The APTA, American Physical Therapy Association, list of indications for airway clearance therapy.

In clinical outcomes studies, The Vest system is associated with:

- Improved secretion clearance;
- Stabilized or improved pulmonary functions;
- Improved exercise tolerance;
- Reduced incidence of pneumonia and related hospitalizations;
- Higher patient satisfaction and therapy adherence; and
- Reduced healthcare costs.

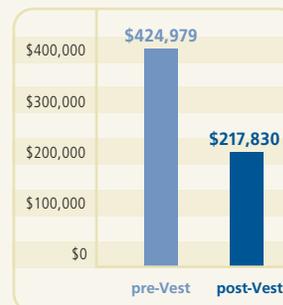
Reduced incidence of pneumonia and related hospitalizations



In a 12-month retrospective, 12-month prospective assessment of The Vest™ system, eleven individuals with quadriplegic cerebral palsy experienced statistically and clinically significant reductions in total pneumonias and pneumonia-related hospitalizations.

Source: AV Plioplys, S Lewis, and I Kasnicka. Pulmonary Vest Therapy in Pediatric Long-Term Care. Journal of American Medical Directors Association 2002; 3: 318-321. Addendum added four patients to the original seven. Amplified results of the eleven patients were presented at American Medical Directors Association Conference, March 2003

Reduced healthcare costs



After one year of HFCWO therapy, BlueCross BlueShield members with CF demonstrated a 49% reduction in total healthcare costs.

Source: Ohnsorg F. A cost analysis of high-frequency chest-wall oscillation in cystic fibrosis. Am J Respir Crit Care Med 1994; 149(4 pt. 2):A669

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To learn more

Call your Hill-Rom representative today to learn more about The Vest system or to request a demonstration. Visit our web site at www.thevest.com for detailed information.

Wrap Vest Sizing Chart

Size	Chest Circumference
Small	23-33 inches
Medium	>33-43 inches
Large	>43-53 inches
X-Large	>53-67 inches

Product Specifications

Model Number	103
Generator	35 lbs. (22"H x 14.5"W x 10.25"D)
Stand	8 lbs. (17"H x 25" Diameter base)5 legs with 2 locking casters and 3 non-locking caster
Electrical	120V AC, 5 Amp, 60 HzUnderwriters laboratories (UL) Listed for U.S. and Canada
Decibels	58 dB

Part Numbers

Air-pulse generator (#103)	300413
Tubes	200426
Remote control	200328
Contour foam	300177
Instruction Manual	500115

- A. Hill-Rom warrants The Vest™ Airway Clearance System Model 103 generators and accessories to be free from defects in materials and workmanship for a period of one year. This warranty period commences on the date of shipment from the manufacturing facility. This warranty is made to the original purchaser only. Purchasers are limited to licensed healthcare entities. Home and residential customers are not eligible.
- B. Hill-Rom will repair or replace, at its discretion, at its facility, any accessory and/or part(s) of the generator which it finds have become defective during normal use or, at the discretion of Hill-Rom, it may elect to supply a replacement generator and/or accessories to Purchaser. For repair or replacement as set forth in Section A above, call the Hill-Rom Technical Services Department at 800-445-3730 to arrange for the return of the defective generator or accessory.
- C. This Limited Warranty is limited to its express terms. In particular:
- 1) Except as expressly provided by this Limited Warranty, HILL-ROM SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THE PRODUCT. SUITABILITY FOR USE OF HILL-ROM PRODUCTS IS SOLELY DETERMINED BY PURCHASER. Because some states do not permit the exclusion or limitation for incidental or consequential damages, this limitation or exclusion may not apply to Purchaser.
 - 2) This Limited Warranty is extended only to the original Purchaser of the generator or accessory. AS TO ALL OTHERS, HILL-ROM MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MARKETABILITY OF FITNESS FOR A PARTICULAR PURPOSE, WHETHER ARISING FROM STATUTE, COMMON LAW, CUSTOM OR OTHERWISE. NO EXPRESS OR IMPLIED WARRANTY SHALL EXTEND BEYOND THE PERIODS SPECIFIED IN SECTION A ABOVE. THIS LIMITED WARRANTY SHALL BE THE EXCLUSIVE REMEDY AVAILABLE TO ANY PERSON. Because some states do not allow exclusion or limitation of implied warranties, the above exclusion or limitation may not apply to Purchaser.
 - 3) This Limited Warranty applies only to The Vest™ Airway Clearance System Model 103. Conversion to other models is expressly excluded.
 - 4) NO PERSON HAS ANY AUTHORITY TO BIND HILL-ROM TO ANY REPRESENTATION, CONDITION OR WARRANTY EXCEPT THIS LIMITED WARRANTY.
 - 5) This Limited Warranty gives Purchaser specific legal rights, and Purchaser may also have other rights which vary from state to state.
 - 6) This Limited Warranty is extended only to Purchasers within the United States.

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See annotated bibliography at www.thevest.com for comprehensive research citations.

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