Baxter

The Vest

AIRWAY CLEARANCE SYSTEM

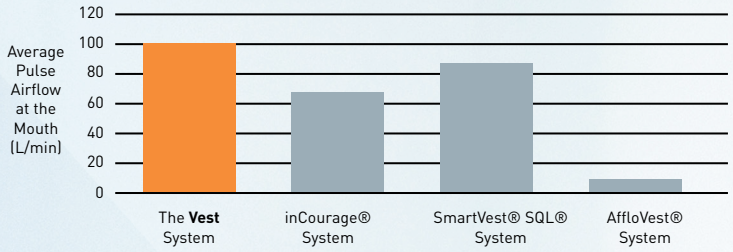
Patient Advantage: Why Choose The Vest System?

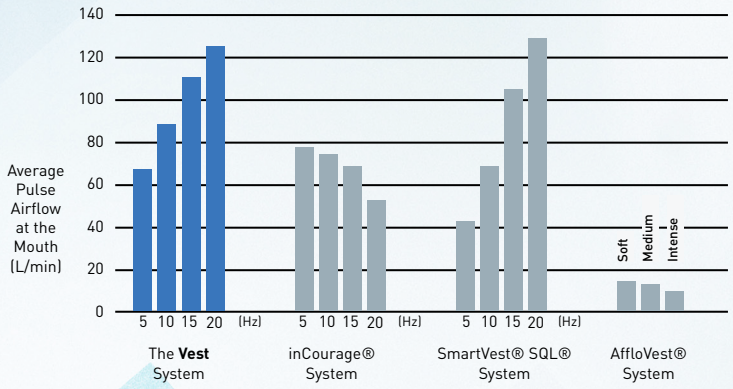
Design Matters When Selecting an Airway Clearance System

The **Vest** System with **True Flow** design includes a uniquely designed airflow generator that delivers a comfortable, consistent air volume to the garment.

This results in predictable airflow performance.[1]

More Airflow[1]





Peer-Reviewed Clinical Articles and Abstracts

10x the clinical evidence[4]

of other airway clearance systems combined

True Flow Design Delivers More Airflow

The **Vest** System by Baxter has a **True Flow** design that results in more airflow.[1]

Airflow bias is required for appropriate secretion movement.[2,3]

True Flow Design Delivers Airflow Performance

When settings of 10 and 15 Hz are used, The **Vest** System provides 30% more airflow than the next leading HFCWO system on the market.[1,4]

Proven Clinical Outcomes

Currently in its 5th generation, The **Vest** System has more than 25 years of peer-reviewed clinical articles. In one study, 94% of patients who used The **Vest** System had better than expected lung function scores after an average of 22 months based on the previous two years of manual CPT.[5-8]

Why Choose The **Vest** System?

	The **Vest** System Baxter	inCourage® RespirTech®	SmartVest® SQL® Electromed™	AffloVest® Int'l Biophysics Corp.
Key Features				
Flow Dyamics[1]	True Flow Design fixed volume oscillation & blower	Triangle waveform rotating circular valve & blower	Fixed volume oscillation & check valve	Rotating offset mass
Average Pulse Airflow at the Mouth[1]	98 L/min	67 L/min	86 L/min	9 L/min
Noise Generated in Decibels[9]	57 dB	64 dB	60 dB	49 dB
Peer-Reviewed Clinical Articles/ Abstracts	63	4	2	0
Cough Pause® Feature[11]	✓	✓		
Remote Control	Standard			✓
Garment[11]				
Machine Washable Machine Dryable	✓ ✓	✓ ✓	✓	
Soft, Brushed Fabric and DuPont™ Teflon® Fabric Protector	✓			
Colour Options	✓	✓	✓	
Smallest Size/Largest Size	16 in. / 75 in.	16 in. / 60 in.	16 in. / 52 in.	18 in. / 65 in.
Styles	4 options	1 option	1 option	1 option
System				
Maintenance Free Operation[10]	✓	Filter change	Filter change	Battery charge
Wheeled Bag[11]	✓	✓	✓	✓
Weight	8 kg	7.94 kg	7.7 kg	2.26~3.85 kg
Display Screen Size	7" x ⅞"	2½" x 1¼"	5" x 2⅞"	N/A
Lifetime Warranty	✓	✓	✓	Limited, 5-year on parts
Hose Confiuration	Double hose, locking	Double hose, locking	Single hose	None required
Other Options[11]				
Personalization Decals	✓	✓		
System Languages	English +8 additional	English	English	English

For more information, please contact your local distributor or baxter sales representative.

*Applies to **C3** Garment

References:

1. Independent lab testing analyzed and compared average airflows at the mouth generated by high frequency chest wall oscillation (HFCWO) therapy in 10 subjects using home care garments. Airflows measured at commonly prescribed medium pressures (50% of maximum) at multiple therapy frequencies (5, 10, 15, and 20 Hz). Test data and reports on file at Hill-Rom, Inc.
2. King M, et al. Tracheal mucus clearance in high-frequency oscillation. II: Chest wall versus mouth oscillation. Am Rev Respir Dis, 1984. 130(5): p. 703-6
3. Freitag L, et al. Removal of excessive bronchial secretions by asymmetric high-frequency oscillations. J Appl Physiol 1989; 67: 614-9.
4. Market data and reports on file with Hill-Rom, Inc.
5. Clinical studies with patients using HFCWO therapy as listed in a PubMed search through 2015. Includes HFCWO devices from Baxter , Electromed, International Biophysics Corporation and Respiratory Technologies, Inc. On file at Baxter.
6. Warwick W, Hansen L. The long-term effect of high-frequency chest compression therapy on pulmonary complications of cystic fibrosis. Pediatr Pulmonol 1991; 11: 265-271.
7. Nicolini A, Cardini F, Landucci N, et al. Effectiveness of treatment with high-frequency chest wall oscillation in patients with bronchiectasis. BMC Pulm Med 2013; 13-21.
8. Report prepared by Milliman for Baxter on January 16, 2012. Results in this report are technical in nature and are dependent upon specific assumptions and methods. Reference on file at Baxter.
9. Sound testing results based on an average noise level at 4 microphone positions at 1 meter. Sound for each device measured at medium pressure at frequencies of 5, 10, 15, and 20Hz. A comfortable hearing level is typically considered at 60 dB and lower. Reference on file at Baxter.
10. The Vest Model 105 user manual 145330 Rev 13 states that periodic cleaning is required. The SmartVest SQL System instruction manual 090491-S-010 rev D states that cleaning and periodic filter replacement are required. The inCourage System instruction manual 900000-000 Rev S states that cleaning and periodic filter replacement are required.
11. www.respirtech.com, www.afflovest.com, www.smartvest.com accessed on 19 Jan 2017.

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