



KIMBERLY-CLARK*
KimVent*

Closed Suction Systems

Manipulation of the ventilator circuit can increase cross-contamination – a leading cause of VAP¹

- Ventilator-associated pneumonia (VAP) is the most common and deadly healthcare-associated infection, affecting up to 28% of ventilated patients.² To help protect patients, a closed ventilator circuit is recognized as a best practice in the prevention of VAP.³
- Maintaining a closed ventilator circuit is recommended by the American Association for Respiratory Care (AARC)³
- A closed circuit maintains ventilation and oxygen therapy throughout suctioning, and prevents approximately 50% of the lung volume fall observed when suctioning after disconnection from the ventilator⁴
- Closed suctioning is a best practice that protects patients and caregivers^{3,5}
 - Reduces the risk for contamination from outside pathogens⁵
 - Reduces colonization within the circuit⁵
 - Designed to protect caregivers from exposure to body fluids

Advanced infection control that sets a new standard in clean
From the leader in closed suctioning, **KIMBERLY-CLARK* KimVENT* Closed Suction Systems** have advanced infection control features that redefine the standard of care for closed suctioning. These unique infection prevention features have been proven to reduce cross-contamination, reducing ICU days and associated costs.⁶ With a solution to meet every patient need, **KIMVENT* Closed Suction Systems** are a powerful tool in your fight against this deadly HAI.

*"The pathogenesis of VAP...is linked to two separate but related processes: colonization of the aerodigestive tract with pathogenic bacteria, and aspiration of contaminated secretions."
— Kollef, et al. Respiratory Care, 2005*



 **Kimberly-Clark**

Trusted Clinical Solutions*



KimVent* Turbo-Cleaning

Closed Suction System with BALLARD* TRACH CARE* Technology

Proven to provide an 89% cleaner catheter tip:†

KIMVENT* Turbo-Cleaning Closed Suction System, which features technology from BALLARD* TRACH CARE*, is the only catheter that retracts within a unique, isolated and vacuum-sealed turbulent cleaning chamber. The turbulent cleansing action results in an 89% cleaner catheter tip compared to a standard closed suction system.† *This reduced colonization may help reduce risk of VAP in your ventilated patients.



Sealed by our patented "PEEP seal" technology, the suction and saline produce turbulent cleansing action, for a cleaner catheter tip

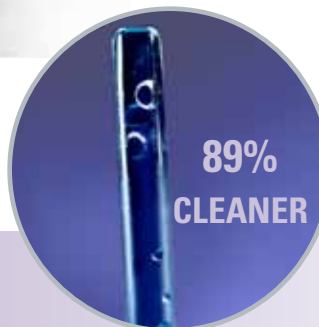
One-way lavage port designed to prevent "sprayback"

Hinged valve isolates catheter tip and helps prevent inadvertent lavage

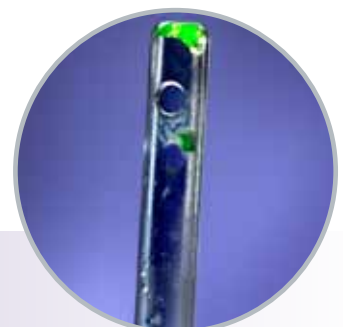
Turbulent cleaning chamber creates cleansing action, resulting in a cleaner catheter

PEEP seal helps reduce PEEP loss and inadvertent lavage

Integrated MDI port (optional)



KIMVENT* Turbo-Cleaning Closed Suction System cleaned in the isolated, turbulent cleaning chamber



Standard Closed Suction System cleaned by usual method of squeezing saline vial to dispense

†Compared to BALLARD* TRACH CARE* 24-hour closed suction systems

NEW

KimVent* Multi-Access Port

Closed Suction System with BALLARD* TRACH CARE* Technology

Multiple access. Multiple procedures. One closed circuit.

Introducing the new **KIMVENT* Multi-Access Port Closed Suction System**. It features a compact rotating manifold that provides multiple ports to access the patient's airway without jeopardizing integrity of the closed circuit. And a closed circuit helps you protect your patient from cross-contamination and VAP.



Package includes **KIMVENT* Turbo-Cleaning Closed Suction System Catheter**

Additional replacement catheters available



Rotating manifold locks into place with a click
for reassurance that circuit remains sealed

Clinicians can perform suctioning and other procedures
such as bronchoalveolar lavage, bronchoscopy, or MDI drug delivery
while maintaining a closed vent circuit as recommended to help prevent VAP

Catheter locks into separate port
and stays connected and clean

Single-use seal cassette
maintains PEEP during
insertion of sampling
catheter or other devices

Also available:
KIMBERLY-CLARK* KIMVENT* BAL CATH*
Bronchial Aspirate Sampling Catheter

Designed for use with the **KIMVENT* Multi-Access Port System**. Insert the **KIMVENT* BAL CATH*** catheter through the alternate therapy port to obtain a lower respiratory tract sample without opening the ventilator circuit.

Turbulent cleaning chamber
for a cleaner catheter

Sleeve tether
prevents over-retraction
of catheter

Helping You Protect Your Patients From VAP

As a global leader in VAP prevention, Kimberly-Clark offers a comprehensive range of products, education, in-service training, and compliance programs to assist you as you develop your best-practice protocol that can help protect your patients from VAP.

KIMBERLY-CLARK* KIMVENT* Solutions:
 Closed Suction Systems
 Endotracheal Tubes
 Bronchial Aspirate Sampling Catheter
 Oral Care Solutions



For more information, please call your sales representative, or visit our website at:
www.VAP.kchealthcare.com/CSS

KIMBERLY-CLARK*
KimVent*
 VAP Solutions

Figure 1
KIMVENT* Turbo-Cleaning at 72 hours vs. Standard at 24 hours
All organisms combined

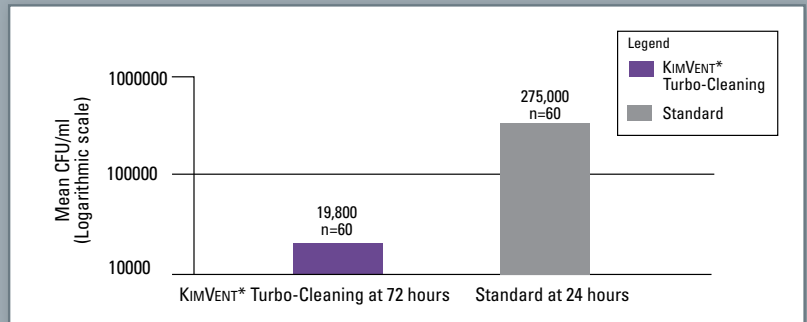


Figure 1: KIMBERLY-CLARK* KIMVENT* Turbo-Cleaning Closed Suction Systems, at 72 hours, show over an (89%) reduction in mean catheter tip colonization compared to the control catheters at 24 hours ($p < 0.001$)⁷

Figure 2
KIMVENT* Turbo-Cleaning at 72 hours vs. Ty-Care® at 48 hours
All organisms combined

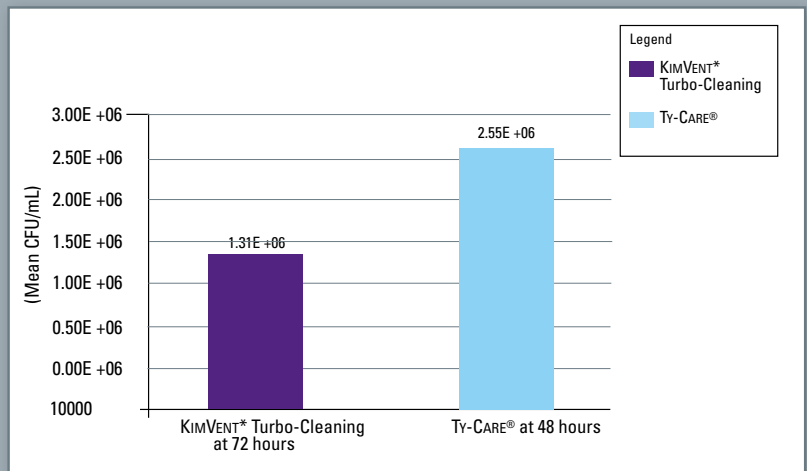


Figure 2: KIMVENT* Turbo-Cleaning Closed Suction Systems at 72 hours show a (50%) reduction in mean catheter tip colonization compared to the control Ty-CARE® catheters at 48 hours.⁸

The Kimberly-Clark ADVANTAGE*

- Clinical Education
- Ongoing Customer Support
- Expert Sales Force
- Tools & Best Practices
- Clinical Research
- Commitment to Excellence

Infection prevention website:

www.HAIwatch.com



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- Compared to BALLARD* TRACHCARE* 24-hour closed suction systems. BALLARD* Critical Care Products TRACH CARE* 72 Microbiology Report, Nelson laboratories Final Reports, Laboratory Numbers 18343, 163901.1
- Compared to Ty-Care® Catheter at 48 hours. TRACH CARE* 72 versus Ty-Care® Microbiology Report Sales Sheet.

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