

Intersurgical TrachSeal™

Closed Suction System



INFECTION
CONTROL IT
PROTECTION



Quality, innovation and choice

Closed suction systems

Every time a breathing system is opened this action causes a number of problems for both the patient and nursing staff:

- There is an immediate loss of PEEP to the patient
- Oxygen desaturation may have an impact on the patient's overall condition
- Bacteria and other pathogens may find their way into the lungs with the introduction of an open catheter
- A coughing reflex by the patient may put the healthcare provider at risk from cross-infection

Since the introduction of closed suction systems in 1987, care providers have been offered a solution to keep the breathing system and consequently PEEP intact.

The benefit to the patient is the least possible disruption of ventilation and blood oxygenation and ultimately a chance for faster recovery.

Prevention of VAP

Ventilator associated pneumonia VAP is a hospital acquired disease, which can be efficiently fought when applying certain strategies. It has a significant impact on patient's health, length of stay and hospital cost:

- VAP occurs at a rate of **7.5 cases per 1000 ventilator days** in medical ICUs¹
- It occurs at a rate of **13.6 cases per 1000 ventilator days** in surgical ICUs¹
- VAP increases ICU stay by an average **13 days**²
- Each case of VAP may **cost the hospital > \$40,000** per patient³

Closed suction systems maintain the integrity of the breathing system without the need for introducing external catheters into the patient's airway. This greatly reduces the risk for contamination with those bacteria causing VAP. Maintaining a closed breathing system is part of the ventilator care bundle, which is designed to reduce the incident of VAP in hospitals.

Another important factor in infection control is the cough reflex of the patient. By using a closed suction system the care provider reduces the risk of cross infection through aerosolised pathogens.

Suction catheters

- Suction catheters are available in three adult sizes
- Soft tip and murphy eyes allow easy suctioning of secretions
- Catheter length is clearly marked with numbers, so the depth of insertion can be controlled



Intersurgical TrachSeal™ Closed Suction System

Intersurgical has developed TrachSeal a new range of 24 hour and 72 hour Closed Suction Systems to meet the needs of both the patient and the care providers.

Feedback on early closed suction systems has helped to develop a product which addresses many of the early concerns. The TrachSeal has an ultra-clear soft sleeve to allow the clinician to 'feel' the advancement of the catheter into the airway whilst the suction valve has also been designed for ease of use and excellent control of the applied suction force, it is clear to see that the valve is ready to use without having to check if it is open or closed first.



Irrigation port

- The irrigation port features a retained cap, preventing accidental loss

Double swivel elbows

- The double swivel elbow facilitates the movement of the patient and prevents trauma

Isolation valve

- The isolation valve on the 72-hour system allows for a dedicated rinsing chamber
- In the closed position the isolation valve will prevent accidental insertion of the catheter into the patient's airways

Suction valve

- Suction valve design allows for perfect control of the applied suction force
- The suction lever provides clear visibility of the open or closed state of the valve even from across the room
- Clear marking on the valve will help prevent the use of an incorrect product size

Quick identification

- Highly visible coloured elements will help quickly identify the system size:
 - F12 – white components
 - F14 – green components
 - F16 – orange components
- All colour identification is based on international standard colours

Clear sleeve

- The ultra-clear soft sleeve will allow the user to constantly monitor the patient's secretions
- Through the thin and yet strong sleeve the feeling for the introduction of the catheter will be similar to open catheter insertion
- The sleeve material makes little noise upon insertion and retraction of the catheter ensuring the patient is not disturbed

**INFECTION
CONTROL IT
PROTECTION**

Adult TrachSeal™ Closed Suction System

TrachSeal Closed Suction Systems are available for 24 hour or 72 hour use depending on your patient's requirements. Two different lengths allow attachment to either an endotracheal or tracheostomy tube connection. All endotracheal tube products have a length of 54cm, whilst the tracheostomy tube products are all 30.5cm.

As a standard, all Intersurgical TrachSeal products are supplied with:

- Day stickers for fast and easy visibility of change requirements
- 15F-22F catheter mount for flexible connection to the patient
- A disconnection wedge with retainer clip, which will allow the disconnection of the product with minimal discomfort to the patient.



Ordering information

Product code	Attachment	Max. duration of use	Catheter Size	Box Qty
3240000	Endotracheal	24 hours	F12	15
3240001	Endotracheal	24 hours	F14	15
3240002	Endotracheal	24 hours	F16	15
3240005	Tracheostomy	24 hours	F12	15
3240006	Tracheostomy	24 hours	F14	15
3240007	Tracheostomy	24 hours	F16	15
3720000	Endotracheal	72 hours	F12	15
3720001	Endotracheal	72 hours	F14	15
3720002	Endotracheal	72 hours	F16	15
3720005	Tracheostomy	72 hours	F12	15
3720006	Tracheostomy	72 hours	F14	15
3720007	Tracheostomy	72 hours	F16	15

References

1. Pieracci FM, Barie PS. Strategies in the prevention and management of ventilator associated pneumonia. Am Surg 2007; 73: 421-432
2. Fagon JY, Chastre J, Hance AJ, Montravers P, Novara A, Gilbert C. Nosocomial pneumonia in ventilated patients: a cohort study evaluating attributable mortality and hospital stay. Am J Med. 1993;94:281-288. .
3. Rello J, Ollendorf DA, et al. Epidemiology and outcomes of ventilator-associated pneumonia in a large US database. Chest. 2002;122:2115-2121.

ISI.27 SG • Issue 2 07.12



Deutschland
info@intersurgical.de

España
info@intersurgical-es.com

Lietuva
info@intersurgical.lt

Portugal
info@intersurgical.pt

Nederland
info@intersurgical.nl

Rossija
info@intersurgical.ru

Česká Republika
info@intersurgical.cz

South Africa
info@intersurgical.co.za

Philippines
info@intersurgical.ph

USA
info@intersurgicalinc.com

Taiwan
info@intersurgical.com.tw

