



# Intersurgical TrachSeal™

Closed suction systems



**Critical Care** ▪ TrachSeal

## Intersurgical TrachSeal™ Closed suction systems

Every time any part of a breathing system is opened to the atmosphere this action can cause a number of problems for both the patient and nursing staff:

- There is an immediate loss of PEEP to the patient and a potential for compromising patient ventilation
- 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 resulting in patient ventilation not being compromised.

Closed suction enables the clinician to clear the lungs of secretions whilst maintaining ventilation and minimising contamination with the least possible disruption to the patient.

### 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.

Closed suction greatly reduces the potential for contamination from the bacteria which cause VAP. Maintaining a closed breathing system is part of the ventilator care bundle, designed to reduce the incidence of VAP in the hospital.

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.

### Intersurgical TrachSeal closed suction systems

TrachSeal features an ultra clear, new softer sleeve. This allows the clinician greater feel when inserting the catheter with optimum visibility of blockage assessments.

Our suction control valve is responsive and allows for single handed control of the applied suction force. The positive locking mechanism is designed to prevent suction being accidentally applied.



### Adult TrachSeal closed suction systems

Trachseal closed suction systems are available for 24 hour or 72 hour usage depending on patient requirements. There are two length options to allow attachment to either endotracheal or tracheostomy tubes. The endotracheal products feature a catheter length of 54cm and the tracheostomy tube variants have a catheter length of 30.5cm.

All Intersurgical TrachSeal systems are supplied with:

1. Day stickers which easily identify change requirements
2. 15F–22F catheter mount for flexible connection to the patient
3. A disconnection wedge for removal of the closed suction system from the endotracheal and tracheostomy tubes with minimal discomfort to the patient



### 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.



### Suction catheter

Available in four adult sizes and in two lengths for attachment to endotracheal or tracheostomy tube

### Retainable irrigation port cap

Preventing accidental loss of the cap

### Soft catheter tip with Murphy eyes

Allows gentle suction of patient secretions

### Isolation valve

Isolates catheter for rinsing on the 72-hour systems

When closed prevents accidental advancement of the catheter

### Double swivel elbow

Facilitates the movement of the patient and prevents trauma

### Flexible catheter mount

Can be added for increased flexibility and patient comfort

### Disconnection wedge

For removal of the closed suction system from the endotracheal and tracheostomy tubes with minimal discomfort to the patient

### Catheter length markings

Depth level indicators for easy positioning of the catheter

### Improved sleeve

**Clear:** allowing for constant monitoring of patient secretions

**Strong:** with improved feel for catheter insertion

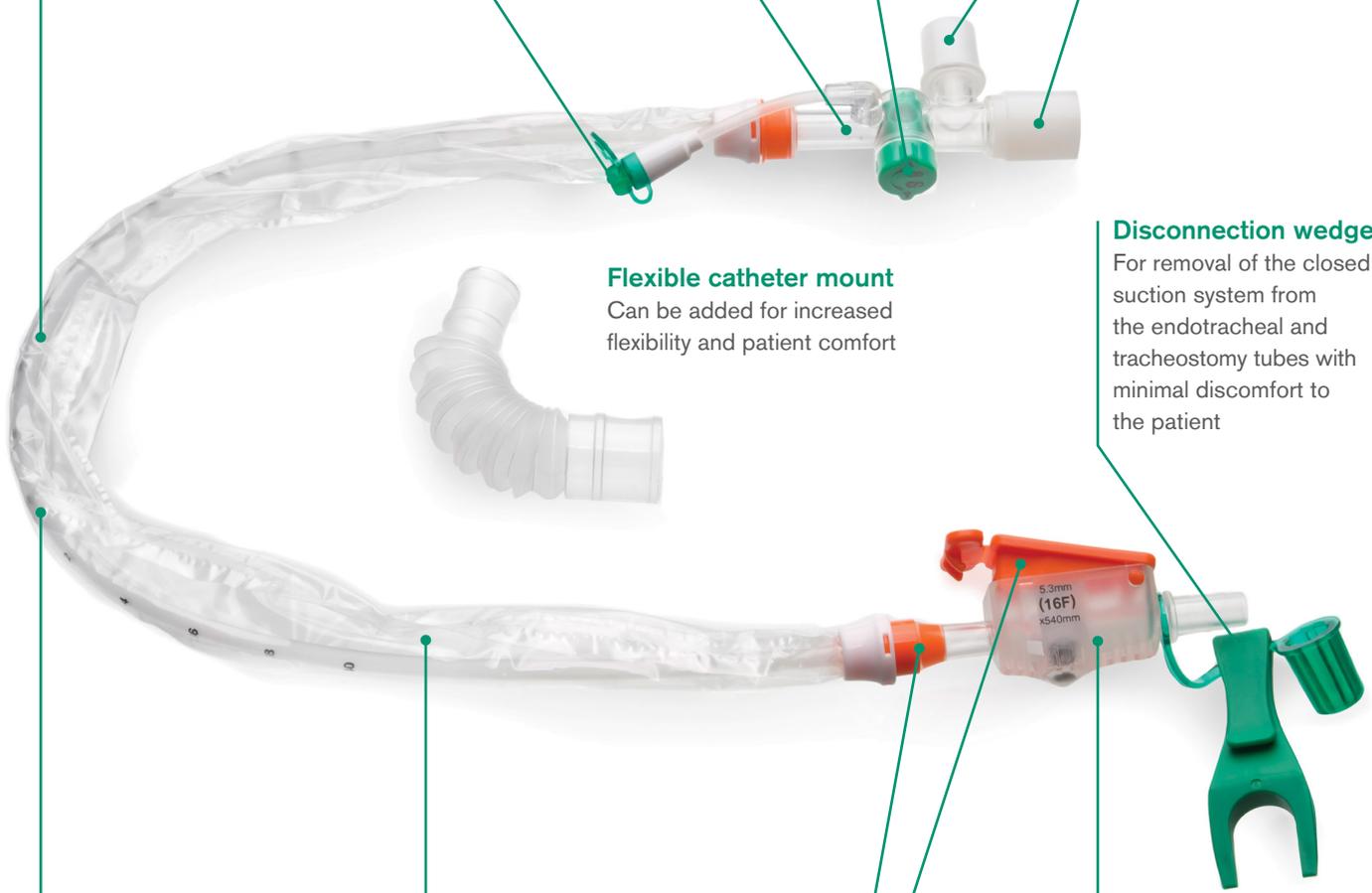
**Quiet:** less noise ensuring the patient is not disturbed

### Colour coding

Product size easily identified in line with International Standards

### Ergonomic suction valve

Allows perfect control of the applied suction force and a positive locking system to reduce the risk of accidental depression



## TrachSeal™

### 24 hour TrachSeal

Code	Description	Size	Box Qty.
● 3240003	TrachSeal adult <b>endotracheal</b> closed suction system, 24 hour	F10	15
○ 3240000	TrachSeal adult <b>endotracheal</b> closed suction system, 24 hour	F12	15
● 3240001	TrachSeal adult <b>endotracheal</b> closed suction system, 24 hour	F14	15
● 3240002	TrachSeal adult <b>endotracheal</b> closed suction system, 24 hour	F16	15
● 3240004	TrachSeal adult <b>tracheostomy</b> closed suction system, 24 hour	F10	15
○ 3240005	TrachSeal adult <b>tracheostomy</b> closed suction system, 24 hour	F12	15
● 3240006	TrachSeal adult <b>tracheostomy</b> closed suction system, 24 hour	F14	15
● 3240007	TrachSeal adult <b>tracheostomy</b> closed suction system, 24 hour	F16	15

### 72 hour TrachSeal

Code	Description	Size	Box Qty.
● 3720003	TrachSeal adult <b>endotracheal</b> closed suction system, 72 hour	F10	15
○ 3720000	TrachSeal adult <b>endotracheal</b> closed suction system, 72 hour	F12	15
● 3720001	TrachSeal adult <b>endotracheal</b> closed suction system, 72 hour	F14	15
● 3720002	TrachSeal adult <b>endotracheal</b> closed suction system, 72 hour	F16	15
● 3720004	TrachSeal adult <b>tracheostomy</b> closed suction system, 72 hour	F10	15
○ 3720005	TrachSeal adult <b>tracheostomy</b> closed suction system, 72 hour	F12	15
● 3720006	TrachSeal adult <b>tracheostomy</b> closed suction system, 72 hour	F14	15
● 3720007	TrachSeal adult <b>tracheostomy</b> closed suction system, 72 hour	F16	15

### Accessories

Code	Description	Box Qty.
3022000	Suction line splitter for use with closed suction and oral care lines	25



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