

Medtronic

DAR™ closed suction system

Designed for airway clearance and exposure protection

Designed with patient comfort, clinician safety, and efficient workflow in mind.

Endotracheal suctioning – the removal of accumulated secretions in the respiratory tract – is one of the most frequently performed invasive procedures by intensive care nurses on intubated patients.¹

Closed suctioning offers many potential benefits compared to open suctioning, including continued delivery of oxygen and positive pressure, decreased nosocomial infection, and reduced staff exposure.¹²



Clearing the airway with closed suctioning

The DAR™ closed suction system is designed to expel tracheal secretions and preserve airway clearance for patients with an artificial airway in place. Beyond reducing the physiological impact of endotracheal suctioning to the patient, closed suction systems offer protection for the clinician, compared to open suctioning.¹³

Compared to open suctioning, utilizing a closed suction system can significantly curb healthcare provider glove and airway equipment contamination.³ Because tracheal suctioning is a common practice, the use of closed tracheal suction is an important step in potentially reducing environmental contamination.¹³

Benefits of closed endotracheal suctioning[†]: infection control,³ time savings,^{5,6} and safety^{2,4}

- Improved physiological impact:
 - Improved oxygenation and PEEP maintenance²
 - Reduced impact on intracranial pressures⁴
- Effective secretion management⁴
- Easy to use, requires shorter suctioning time, and uses only one nurse^{5,6}
- Supports clinician safety by minimizing exposure³

Boost efficiency and streamline workflow⁶

Compared to open suctioning, using a closed suction system can help minimize suctioning time and workload.⁶ With no need to disconnect intubated patients from ventilatory support and a shorter suctioning time, you'll get more time back in your day.⁶

Plus, the DAR™ closed suction system allows for one-user procedures, requiring only one nurse for suctioning.⁶



Beyond closed suction: innovatively and hygienically designed

The DAR™ closed suction system features a replaceable catheter, a step forward in endotracheal suctioning. Post-suction catheter removal, facilitated by a self-sealing cap on the patient access valve, permits bronchoscopy, mucus sampling, or bronchoalveolar lavage (BAL) procedures.

The DAR™ closed suction system with replaceable catheter has been microbiologically evaluated and validated for up to 72 hours of use.⁸

Available with dedicated ports for catheter rinsing and MDI drug delivery, the DAR™ closed suction system with replaceable catheter is ideal for diverse treatment needs.

A gentler approach to airway clearance

- The atraumatic dual density suction catheter, with its flexible, ultrasoft, and rounded distal tip, is designed to reduce possible lesions of the tracheal mucosa.
- Four lateral eyes create a uniform airflow around the catheter tip, minimizing tracheal mucosa invagination risk compared to single side-hole catheters.¹⁴
- The 360-degree double swiveling elbow (DSE) is designed to enhance patient comfort by minimizing torque.



Airway protection

The unique rotating patient access valve maintains airway isolation when suctioning isn't required and also, ensures a closed system during bronchoscopy and specimen sampling.

Catheter rinsing

The irrigation port's one-way valve is intended to prevent patient secretions from flowing back, and potentially minimize contamination risks. The catheter tip is cleaned in full isolation through the rinsing chamber's special geometry.



Clinician-friendly design

The suction valve's rotating lid functions as an open-closed locking mechanism, providing easy procedure control. ISO color coding enables immediate catheter size identification, assisting caregivers in system selection, while depth markings in centimeters facilitate catheter insertion into the trachea.



DAR™ neonatal-pediatric closed suction system

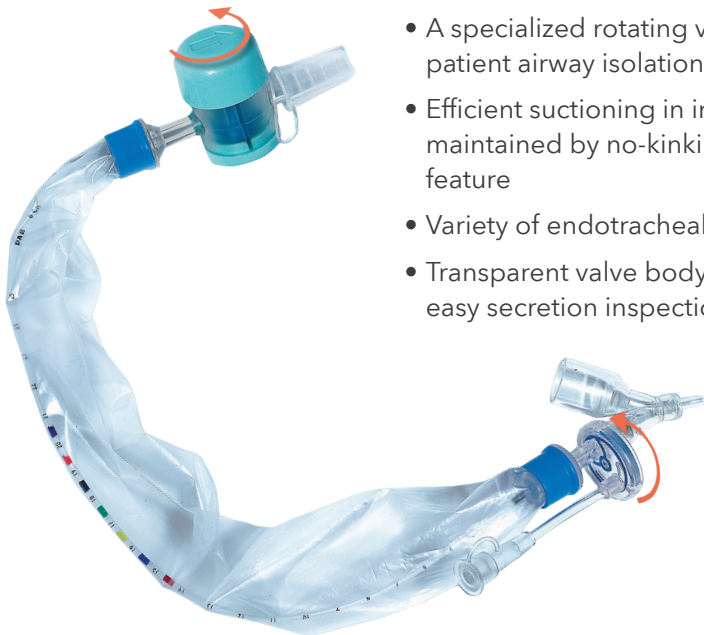
Improving physiologic stability for your smallest patients

The use of closed suction systems, versus open suction systems, for neonatal and pediatric patients is grounded in the understanding that endotracheal suctioning is better tolerated by infants in terms of short-term benefits if performed with uninterrupted conventional mechanical ventilation.⁹

The closed system helps minimize some short-term suctioning-related complications by producing less cardiorespiratory distress to newborn and pediatric patients.⁹ Potential benefits include:

- Reduced occurrence of hypoxia⁹
- Minimized bradycardia⁹
- Faster recovery times¹²

Developed with the same advanced technology from the adult version, the DAR™ neonatal-pediatric closed suction system boasts features tailored for neonatal and pediatric physiologic conditions:



- A specialized rotating valve ensures patient airway isolation
- Efficient suctioning in incubator maintained by no-kinking catheter feature
- Variety of endotracheal tube adapters
- Transparent valve body permits easy secretion inspection



Y-piece connector

For neonates,
allows for the
lowest dead
space



Manifold connector

Indicated
for neonatal
patients



Elbow connector

Indicated
for pediatric
patients

Order information

DAR™ closed suction system, replaceable catheter

Endotracheal length: 580 mm; Time of use: 72 hours

	CFN	Size Fr/Ch	Color
Standard	444SP02010	10	Black
	444SP02012	12	White
	444SP02014	14	Green
	444SP02016	16	Orange
With MDI port	444SP02110	10	Black
	444SP02112	12	White
	444SP02114	14	Green
	444SP02116	16	Orange
Coudé with MDI port	444SP02412	12	White
	444SP02414	14	Green
With T-piece for CPAP	444SP03012	12	White
	444SP03014	14	Green

Packaging: 10 each/box, sterile

Replacement catheters

Endotracheal length: 580 mm

	CFN	Size Fr/Ch	Color
For standard version	444SP00010	10	Black
	444SP00012	12	White
	444SP00014	14	Green
	444SP00016	16	Orange
For coudé version	444SP00414	14	Green

Packaging: 10 each/box, sterile

DAR™ closed suction system, replaceable catheter

Tracheostomy length: 365 mm; Time of use: 72 hours

	CFN	Size Fr/Ch	Color
Standard	444SP02312	12	White
	444SP02314	14	Green
For Shiley™ cannulas	444SPY2312	12	White
	444SPY2314	14	Green
	444SPY2316	16	Orange
With MDI port	444SP02512	12	White
	444SP02514	14	Green
	444SP02516	16	Orange
With T-piece for CPAP	444SP03312	12	White
	444SP03314	14	Green

Packaging: 10 each/box, sterile

Replacement catheters

Tracheostomy length: 365 mm

	CFN	Size Fr/Ch	Color
Standard	444SP00512	12	White
	444SP00514	14	Green
	444SP00516	16	Orange

Packaging: 10 each/box, sterile

Accessories

CFN	Description	Quantity
111/1156	Cap set: bronchoscopy self sealing cap + suction catheter protecting cap	25 each/box

DAR™ neonatal-pediatric closed suction system

Time of use: 48 hours

	CFN	Size Fr/Ch + Ø ETT adapter	Length	Color
Y-piece connector	444S02605	5+2.0/2.5 mm	310 mm	Grey
	444S02606	6+2.5/3.0/3.5 mm	320 mm	Light Green
	444S02607	7+3.0/3.5/4.0 mm	320 mm	Light Orange
	444S02608	8+3.5/4.0/4.5 mm	360 mm	Light Blue
	444S02610	10+4.5/5.0/5.5 mm	460 mm	Black
Elbow connector	444S02706	6	320 mm	Light Green
	444S02708	8	360 mm	Light Blue
	444S02710	10	460 mm	Black
Manifold connector	444S02805	5	310 mm	Grey
	444S02806	6	320mm	Light Green
	444S02808	8	360mm	Light Blue

Packaging: 10 each/box, sterile



All products are latex free and DEHP free.‡



†Compared to open endotracheal suctioning

For trained personnel only. For specific indications and instructions for use, please refer to the product manual.

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