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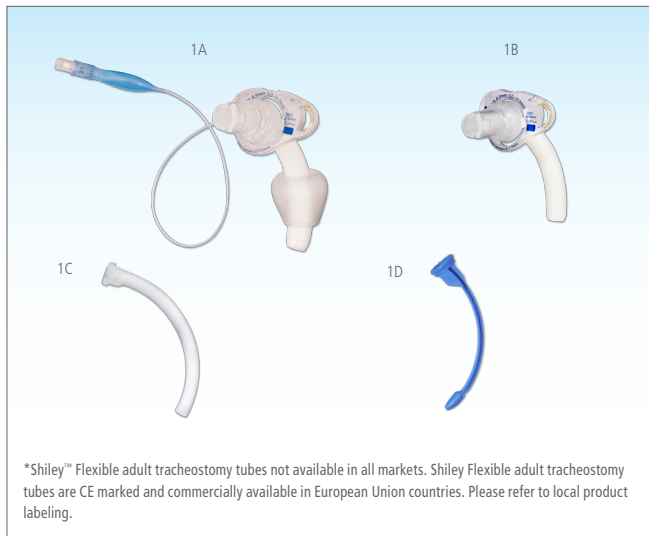
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Shiley™ Tracheostomy Products Quick Reference Guide

SHILEY™ TRACHEOSTOMY PRODUCTS

SHILEY™ FLEXIBLE TRACHEOSTOMY TUBES, CUFFED AND CUFFLESS*



*Shiley™ Flexible adult tracheostomy tubes not available in all markets. Shiley Flexible adult tracheostomy tubes are CE marked and commercially available in European Union countries. Please refer to local product labeling.

- 1A. Shiley™ Flexible Tracheostomy Tube with TaperGuard™ Cuff* provides a flexible design with the sealing benefits associated with the TaperGuard cuff. Integrated 15mm connector enables ventilation with or without inner cannula in place. Available in a wide range of sizes to accommodate most patients.
- 1B. Shiley Flexible Tracheostomy Tube, Cuffless provides a flexible design and available in a wide range of sizes to accommodate most patients. 15mm connector enables ventilation with or without inner cannula in place.
- 1C. Disposable inner cannula provides quick and safe disposal after a single use.
- 1D. Obturator helps ease placement of the tracheostomy tube and is designed with a small hole at the distal tip to accept a guidewire.

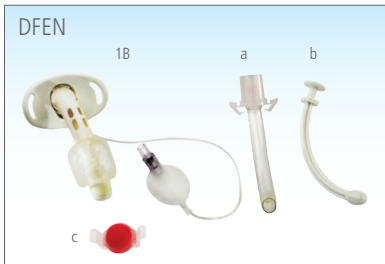
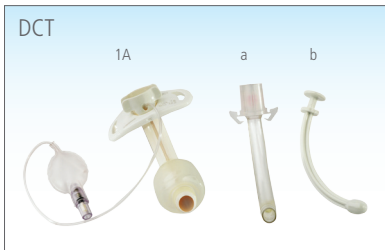
Shiley™ Flexible Tracheostomy Tube with TaperGuard™ Cuff*

SKU#	I.D.	O.D.	INNER CANNULA I.D.	INNER CANNULA SKU#
4CN65A	6.5 mm	9.4 mm	5.5 mm	4IC65
5CN70A	7.0 mm	10.1 mm	6.0 mm	5IC70
6CN75A	7.5 mm	10.8 mm	6.5 mm	6IC75
7CN80A	8.0 mm	11.4 mm	7.0 mm	7IC80
8CN85A	8.5 mm	12.2 mm	7.5 mm	8IC85
9CN90A	9.0 mm	12.7 mm	8.0 mm	9IC90
10CN10A	10.0 mm	13.8 mm	9.0 mm	10IC10

Shiley™ Flexible Tracheostomy Tube Cuffless

SKU#	I.D.	O.D.	INNER CANNULA I.D.	INNER CANNULA SKU#
4UN65A	6.5 mm	9.4 mm	5.5 mm	4IC65
5UN70A	7.0 mm	10.1 mm	6.0 mm	5IC70
6UN75A	7.5 mm	10.8 mm	6.5 mm	6IC75
7UN80A	8.0 mm	11.4 mm	7.0 mm	7IC80
8UN85A	8.5 mm	12.2 mm	7.5 mm	8IC85
9UN90A	9.0 mm	12.7 mm	8.0 mm	9IC90
10UN10A	10.0 mm	13.8 mm	9.0 mm	10IC10

SHILEY™ TRACHEOSTOMY TUBES, CUFFED WITH DISPOSABLE INNER CANNULA



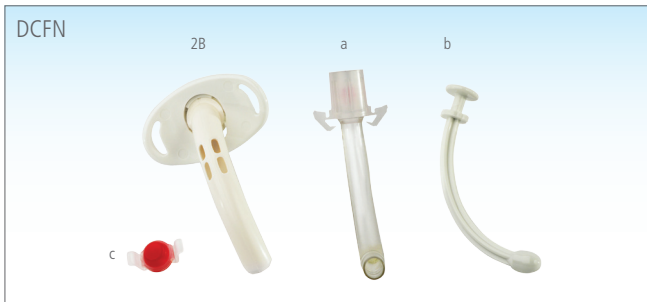
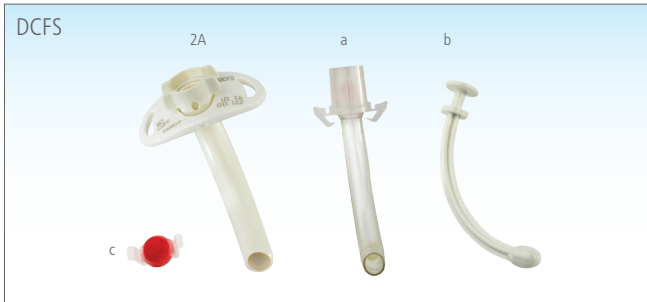
- 1C. Tracheostomy Tube Cuffed with Disposable Inner Cannula (DCT) provides the convenience of a disposable inner cannula for a wide variety of applications.
- 1B. Tracheostomy Tube Cuffed with Disposable Inner Cannula, Fenestrated (DFEN) provides inner cannula disposability, permitting patient to breathe through upper airway if desired.
- 1C. Percutaneous Tracheostomy Tube with Disposable Inner Cannula (PERC) is specially designed to work with Cook Percutaneous Tracheostomy Introducer Sets.
- Inner Cannula, Disposable (DIC) has integral 15mm snap-lock connector for quick and safe disposal after a single use.
 - Smooth, rounded-tip obturator facilitates insertion.
 - Decannulation Plug, Disposable (DDCP) closes the proximal end of the DCFS, DCFN and DFEN to permit breathing through the fenestration and the upper airway.
 - Introducer sold separately by Cook Medical®, Bloomington, Ind.

SIZE	PRODUCT DESIGNATION	I.D.	O.D.	LENGTH	QUANTITY/ BOX	
4	4DCT	5.0 mm	9.4 mm	62 mm	1	DCT
6	6DCT	6.4 mm	10.8 mm	74 mm	1	
8	8DCT	7.6 mm	12.2 mm	79 mm	1	
10	10DCT	8.9 mm	13.8 mm	79 mm	1	
4	4DFEN	5.0 mm	9.4 mm	62 mm	1	DFEN
6	6DFEN	6.4 mm	10.8 mm	74 mm	1	
8	8DFEN	7.6 mm	12.2 mm	79 mm	1	
10	10DFEN	8.9 mm	13.8 mm	79 mm	1	
6	6PERC	6.4 mm	10.8 mm	74 mm	1	PERC
8	8PERC	7.6 mm	12.2 mm	79 mm	1	

Required For Use With

4	4DIC	4DCT	4DFEN		10	DIC
6	6DIC	6DCT	6DFEN	6PERC	10	
8	8DIC	8DCT	8DFEN	8PERC	10	
10	10DIC	10DCT	10DFEN		10	

SHILEY™ TRACHEOSTOMY TUBES, CUFFLESS WITH DISPOSABLE INNER CANNULA



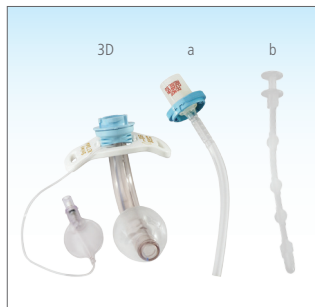
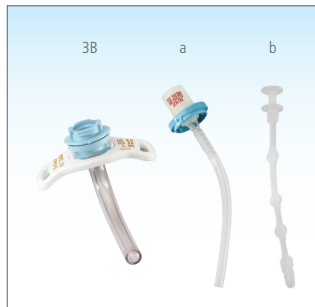
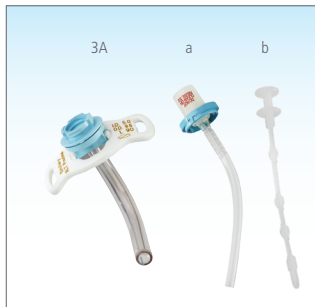
- 2A. Tracheostomy Tube, Cuffless with Disposable Inner Cannula (DCFS) provides the convenience of a Disposable Inner Cannula for a wide variety of applications.
- 2B. Tracheostomy Tube, Cuffless with Disposable Inner Cannula, Fenestrated (DCFN) provides the convenience of inner cannula disposability, while permitting the patient to breathe through the upper airway if desired.
- Inner Cannula, Disposable (DIC) with integral 15mm snap-lock connector for quick and safe disposal after a single use.
 - Smooth, rounded-tip obturator facilitates insertion.
 - Decannulation Plug, Disposable (DDCP) closes the proximal end of the DCFS, DCFN and DFEN to permit breathing through the fenestration and the upper airway.

SIZE	PRODUCT DESIGNATION	I.D.	O.D.	LENGTH	QUANTITY/ BOX	
4	4DCFS	5.0 mm	9.4 mm	62 mm	1	DCFS
6	6DCFS	6.4 mm	10.8 mm	74 mm	1	
8	8DCFS	7.6 mm	12.2 mm	79 mm	1	
10	10DCFS	8.9 mm	13.8 mm	79 mm	1	
4	4DCFN	5.0 mm	9.4 mm	62 mm	1	DCFN
6	6DCFN	6.4 mm	10.8 mm	74 mm	1	
8	8DCFN	7.6 mm	12.2 mm	79 mm	1	
10	10DCFN	8.9 mm	13.8 mm	79 mm	1	

Required For Use With

4	4DIC	4DCFS	4DCFN	10	DIC
6	6DIC	6DCFS	6DCFN	10	
8	8DIC	8DCFS	8DCFN	10	
10	10DIC	10DCFS	10DCFN	10	

SHILEY™ XLT TRACHEOSTOMY TUBES



Choice of distal or proximal extensions to fit unusual anatomies. Flexible inner and outer cannula further enhance fit options. High-volume, low-pressure cuff meets all published cuff criteria.

- 3A. Extended-Length, Cuffless Tracheostomy Tube with extra length in proximal portion.
- 3B. Extended-Length, Cuffless Tracheostomy Tube with extra length in distal portion.
- 3C. Extended-Length, Cuffed Tracheostomy Tube with extra length in proximal portion.
- 3D. Extended-Length, Cuffed Tracheostomy Tube with extra length in distal portion.
 - a. Extended-Length, Disposable Inner Cannula with integral 15mm twist-lock connector for quick and safe disposal after single use.
 - b. Smooth, rounded-tip obturator facilitates insertion.

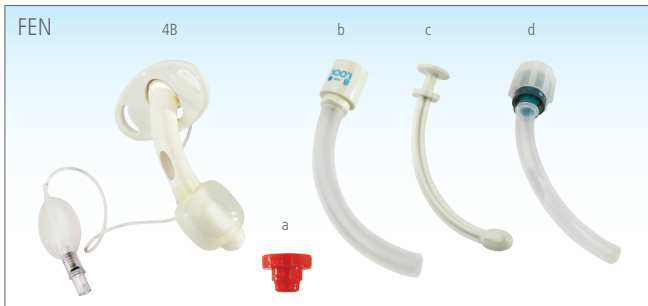
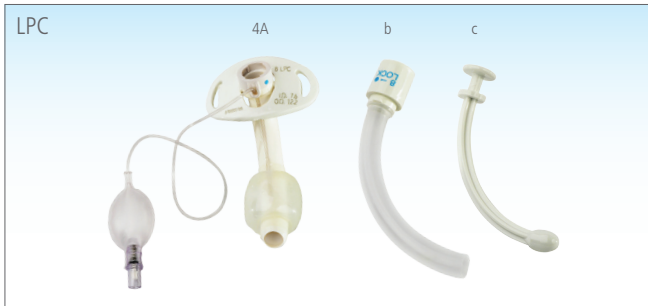
DESCRIPTION

CATALOG NUMBER

EXTENSION	I.D.	O.D.	TOTAL LENGTH	PROXIMAL LENGTH	RADIAL LENGTH	DISTAL LENGTH	CUFFED	CUFFLESS	DISP. INNER CANNULA
Distal	5.0 mm	9.6 mm	90 mm	5.0 mm	37.0 mm	48.0 mm	50XLTCD	50XLTUD	50XLTIN
Proximal	5.0 mm	9.6 mm	90 mm	20.0 mm	37.0 mm	33.0 mm	50XLTCP	50XLTUP	50XLTIN
Distal	6.0 mm	11.0 mm	95 mm	8.0 mm	38.0 mm	49.0 mm	60XLTCD	60XLTUD	60XLTIN
Proximal	6.0 mm	11.0 mm	95 mm	23.0 mm	38.0 mm	34.0 mm	60XLTCP	60XLTUP	60XLTIN
Distal	7.0 mm	12.3 mm	100 mm	12.0 mm	39.0 mm	49.0 mm	70XLTCD	70XLTUD	70XLTIN
Proximal	7.0 mm	12.3 mm	100 mm	27.0 mm	39.0 mm	34.0 mm	70XLTCP	70XLTUP	70XLTIN
Distal	8.0 mm	13.3 mm	105 mm	15.0 mm	40.0 mm	50.0 mm	80XLTCD	80XLTUD	80XLTIN
Proximal	8.0 mm	13.3 mm	105 mm	30.0 mm	40.0 mm	35.0 mm	80XLTCP	80XLTUP	80XLTIN

Tracheostomy tubes 1/box, disposable inner cannula 10/box. Supplied with both cotton twill tape and adjustable tracheostomy tube holder (TTH). For detailed product information, refer to "Directions For Use" in each product package.

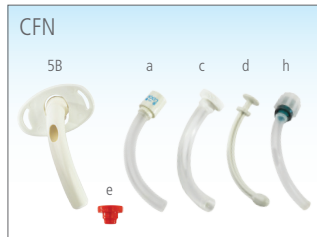
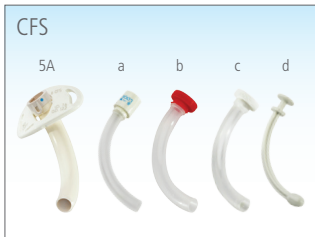
SHILEY™ TRACHEOSTOMY TUBES, CUFFED WITH INNER CANNULA



- 4A. Tracheostomy Tube, Cuffed with Inner Cannula (LPC) protects delicate tissue with its cylindrical cuff and is manufactured of high-quality, compliant material that softens at body temperature.
- 4B. Tracheostomy Tube Cuffed with Inner Cannula, Fenestrated (FEN) allows for weaning of patient from tube by facilitating upper airway breathing.
- Decannulation Plug (DCP) is connected to the outer cannula to permit upper airway breathing.
 - Inner Cannula with integral 15mm twist-lock connector permits connection of ancillary equipment and is translucent for easy inspection.
 - Smooth, rounded-tip obturator facilitates insertion.
 - Fenestrated Inner Cannula with green 15mm connector and white 15mm cap.

SIZE	PRODUCT DESIGNATION	I.D.	O.D.	LENGTH	QUANTITY/ BOX	
4	4LPC	5.0 mm	9.4 mm	65 mm	1	LPC
6	6LPC	6.4 mm	10.8 mm	76 mm	1	
8	8LPC	7.6 mm	12.2 mm	81 mm	1	
10	10LPC	8.9 mm	13.8 mm	81 mm	1	
4	4FEN	5.0 mm	9.4 mm	65 mm	1	FEN
6	6FEN	6.4 mm	10.8 mm	76 mm	1	
8	8FEN	7.6 mm	12.2 mm	81 mm	1	
10	10FEN	8.9 mm	13.8 mm	81 mm	1	

SHILEY™ TRACHEOSTOMY TUBES, CUFFLESS WITH INNER CANNULA



5A. Tracheostomy Tube, Cuffless with Inner Cannula (CFS) is designed for general pulmonary hygiene and for use with spontaneously breathing patients.

5B. Tracheostomy Tube, Cuffless with Inner Cannula, Fenestrated (CFN) is designed for pulmonary hygiene and, when used in conjunction with the Decannulation Plug (DCP), directs breathing through the upper airway.

5C. Laryngectomy Tube (LGT) is made with high-quality, compliant material, and is a comfortable, convenient alternative to metal tubes.

- Inner Cannula with integral 15mm twist-lock connector permits connection of ancillary equipment and is translucent for easy inspection.
- Inner Cannula with closed lumen and low-profile connector is supplied with the CFS and directs breathing through the upper airway.
- Cannula with open lumen and low-profile connector reduces bulk at stoma. (Caution: Low profile inner cannula is not adaptable to ventilator equipment.)
- Smooth, rounded-tip obturator facilitates insertion.
- Decannulation Plug (DCP) closes the proximal end of the CFN to permit breathing through the fenestration and upper airway.
- Inner Cannula with low-profile connectors to reduce bulk at stoma.
- Fenestrated Inner Cannula with green 15mm connector and white 15mm cap.

SIZE	PRODUCT DESIGNATION	I.D.	O.D.	LENGTH	QUANTITY/ BOX	
4	4CFS	5.0 mm	9.4 mm	65 mm	1	CFS
6	6CFS	6.4 mm	10.8 mm	76 mm	1	
8	8CFS	7.6 mm	12.2 mm	81 mm	1	
10	10CFS	8.9 mm	13.8 mm	81 mm	1	
4	4CFN	5.0 mm	9.4 mm	65 mm	1	CFN
6	6CFN	6.4 mm	10.8 mm	76 mm	1	
8	8CFN	7.6 mm	12.2 mm	81 mm	1	
10	10CFN	8.9 mm	13.8 mm	81 mm	1	
6	6LGT	6.4 mm	11.1 mm	50 mm	1	LGT
8	8LGT	7.6 mm	12.6 mm	50 mm	1	
10	10LGT	8.9 mm	13.7 mm	50 mm	1	

SHILEY™ TRACHEOSTOMY TUBES CUFFED, SINGLE CANNULA



7. Tracheostomy Tube Cuffed, Single Cannula (SCT) available in a wide range of sizes for special applications. Includes smooth, rounded-tip obturator to facilitate insertion.

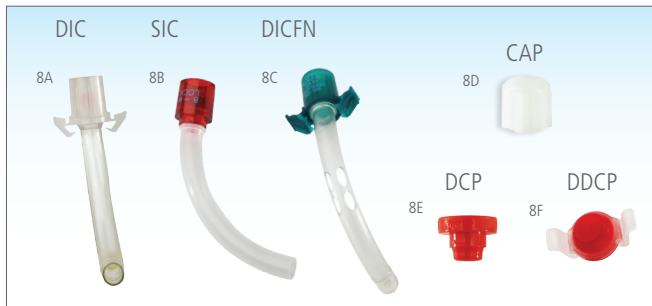
SIZE	PRODUCT DESIGNATION	I.D.	O.D.	LENGTH	QUANTITY/ BOX	SCT
5.0	5SCT	5.0 mm	7.0 mm	58 mm	1	
6.0	6SCT	6.0 mm	8.3 mm	67 mm	1	
7.0	7SCT	7.0 mm	9.6 mm	80 mm	1	
8.0	8SCT	8.0 mm	10.9 mm	89 mm	1	
9.0	9SCT	9.0 mm	12.1 mm	99 mm	1	
10.0	10SCT	10.0 mm	13.3 mm	105 mm	1	

SHILEY™ CUSTOM TRACHEOSTOMY TUBE SERVICE

When a standard tracheostomy tube doesn't offer the right fit, turn to the Shiley Custom Tracheostomy Tube Service. Modified lengths, additional sizes, customized cuffs and modified flange angles are just some of the available options. Use our Online Ordering Tool at www.ShileyCustomTrach.com or call 1 (800) 635-5267 for assistance.



SHILEY™ ACCESSORIES



- 8A. Inner Cannula, Disposable (DIC) with integral 15mm snap-lock connector, individually sterile packaged for patient protection, required for use with DCT, DFEN, PERC, DCFS and DCFN.
- 8B. Spare Inner Cannula (SIC) with red, color-coded twist-lock connector, for temporary use during cleaning or removal of the inner cannula of Shiley™ Tracheostomy Tubes, may be used with LPC, FEN, CFS and CFN.
- 8C. Inner Cannula, Fenestrated, Disposable (DICFN) is for use with DCFN and DFEN tracheostomy tubes.
- 8D. White 15mm cap (CAP) attaches to the Fenestrated Inner Cannula with green 15mm connector to permit breathing through the fenestration and upper airway.
- 8E. Decannulation Plug (DCP) closes the proximal end of the FEN and CFN tubes to permit breathing through the fenestration and upper airway.
- 8F. Decannulation Plug, Disposable (DDCP) closes the proximal end of the DCFS, DCFN and DFEN to permit breathing through the fenestration and upper airway.

SIZE	PRODUCT DESIGNATION	FOR USE WITH				QUANTITY/ BOX	
4	4DIC	4DCT	4DFEN	4DCFS	4DCFN	10	DIC
6	6DIC	6DCT	6DFEN	6DCFS	6DCFN	10	
8	8DIC	8DCT	8DFEN	8DCFS	8DCFN	10	
10	10DIC	10DCT	10DFEN	10DCFS	10DCFN	10	
4	4SIC	4LPC	4FEN	4CFN	4CFS	10	SIC
6	6SIC	6LPC	6FEN	6CFN	6CFS	10	
8	8SIC	8LPC	8FEN	8CFN	8CFS	10	
10	10SIC	10LPC	10FEN	10CFN	10CFS	10	
4	4DICFEN	4DFEN	4DCFN			10	DICFEN
6	6DICFEN	6DFEN	6DCFN			10	
8	8DICFEN	8DFEN	8DCFN			10	
10	10DICFEN	10DFEN	10DCFN			10	
4	4DCP	4FEN	4CFN			10	DCP
6	6DCP	6FEN	6CFN			10	
8	8DCP	8FEN	8CFN			10	
10	10DCP	10FEN	10CFN			10	
	DDCP	Any size DCFS, DCFN and DFEN tracheostomy tube.				10	DDCP
	CAP	Any size FEN and CFN tracheostomy tube.				10	CAP

SHILEY™ PHONATE SPEAKING VALVE



PRODUCT DESIGNATION	QUANTITY/BOX
SSVO	1
SSV	1
TTH	10
SSDD	20
PDD	20

9A/B. Shiley™ Phonate Speaking Valve (SSV) and Shiley Phonate Speaking Valve with for use with low flow oxygen. O₂ Port (SSVO). Designed for use on alert, awake tracheostomy patients who can breathe without assisted mechanical ventilation. Connects to 15 mm connector on tracheostomy tube. Directs airflow past the vocal cords, helping enable patients to speak without finger occlusion.

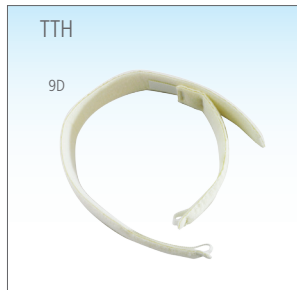
9C. Hammer-Plane Stronghold™ * Anti-Disconnect Device (SSDD). For Shiley™ dual cannula adult tracheostomy tubes with soft-swivel neck flange (not for use with XLT). Eliminates accidental disconnection at the tracheostomy tube site without restricting movement of swivel-type adapters. Adult and pediatric styles available. Hammer-Plane Stronghold™ *Anti-Disconnect Device (PDD). For Shiley™ Pediatric and Neonatal Tracheostomy Tubes (not pictured).

9D. Shiley™ Tracheostomy Tube Holder (TTH). For pediatric and adult. A convenient alternative to twill tape, the tube holder is made of a soft material with a wide band to promote better skin care and patient comfort. Fits adult through pediatric patients, up to 18 inch neck size. Single-patient use; latex-free.

HAMMER-PLANE STRONGHOLD™* ANTI-DISCONNECT DEVICE

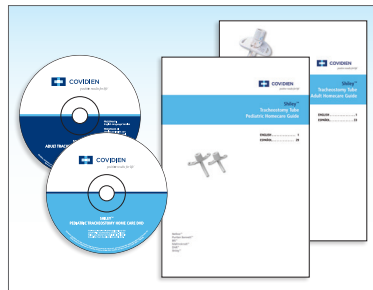


SHILEY™ TRACHEOSTOMY TUBE HOLDER

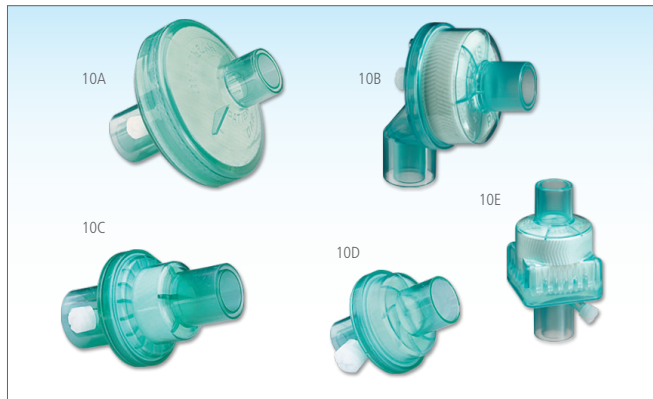


SHILEY™ ADULT AND PEDIATRIC TRACHEOSTOMY HOME CARE GUIDES AND VIDEOS

Valuable tracheostomy care information for patients and caregivers. Printed guides are available in combined English/Spanish format. Videos can be downloaded in English, Spanish, French, German and Italian at www.livingwithavent.com.



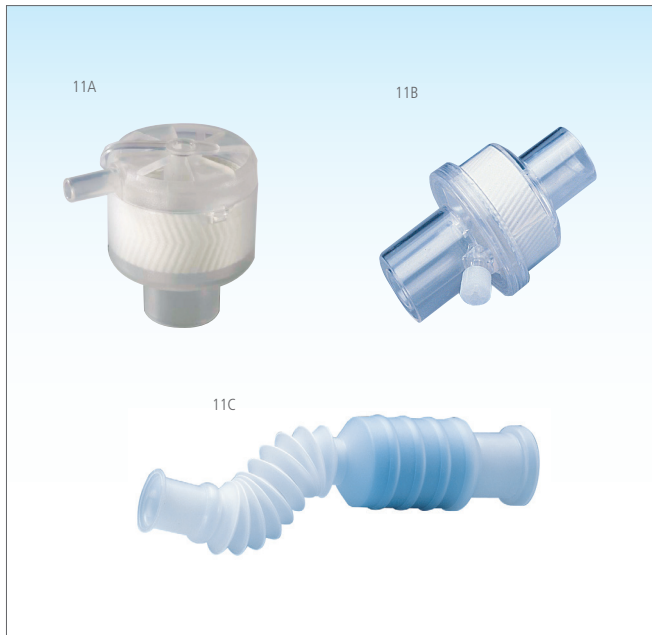
DAR™ FILTER/HMES



- 10A. Adult-Pediatric Electrostatic Filter HME, large is designed for patients with tidal volume between 300 and 1500 mL. Electrostatic filter membrane.
- 10B. Adult-pediatric electrostatic filter HME, Small, Angled Port is compact and angled with only 61 mL dead space. Electrostatic filter membrane.
- 10C. Pediatric Electrostatic Filter HME features electrostatic filter membrane and meets the needs of patients with tidal volume between 75 and 300 mL.
- 10D. Infant Electrostatic Filter HME is designed for infants or neonates with tidal volume between 30 and 100 mL.
- 10E. Small Mechanical Filter HME is designed for patients with tidal volume between 200 and 1500 mL.

	ADULT-PEDIATRIC ELECTROSTATIC FILTER HME, LARGE	ADULT-PEDIATRIC ELECTROSTATIC FILTER HME, SMALL, ANGLED PORT	PEDIATRIC ELECTROSTATIC FILTER HME	INFANT ELECTROSTATIC FILTER HME	SMALL MECHANICAL FILTER HME
Catalog Number	352U5805	352U5996	355U5430	355U5427	354U19028
Moisture Output @ 2 hrs (ISO 9360)	mg H ₂ O/L	mg H ₂ O/L	mg H ₂ O/L	mg H ₂ O/L	mg H ₂ O/L
Vt 50 mL	–	–	–	30.0	–
Vt 250 mL	33.9	34.4	32.3	–	33.0
Vt 500 mL	33.3	33.6	–	–	31.5
Vt 750 mL	–	–	–	–	–
Vt 1000 mL	32.4	32.9	–	–	29.6
Resistance to Flow at: (ISO 9360)					
5 L/min	–	–	–	0.6 cm H ₂ O	–
20 L/min	–	–	1.6 cm H ₂ O	–	–
30 L/min	0.9 cm H ₂ O	1.2 cm H ₂ O	2.6 cm H ₂ O	–	1.2 cm H ₂ O
60 L/min	2.1 cm H ₂ O	2.9 cm H ₂ O	–	–	2.7 cm H ₂ O
90 L/min	3.6 cm H ₂ O	5.2 cm H ₂ O	–	–	4.6 cm H ₂ O
Filtration Efficiency:**					
Bacterial	99.999%	>99.99%	99.999%	99.999%	>99.999%
Viral	99.999%	>99.99%	>99.99%	>99.99%	>99.999%
Dead Space [†]	90 mL	61 mL	31 mL	10 mL	66 mL
Weight (approx.)	50 g	29 g	21 g	9 g	36 g
Type of Filtration	Electrostatic	Electrostatic	Electrostatic	Electrostatic	Mechanical

DAR Filter/HMEs protect against microbes as small as 0.02 μ. All products are sold 50/box.



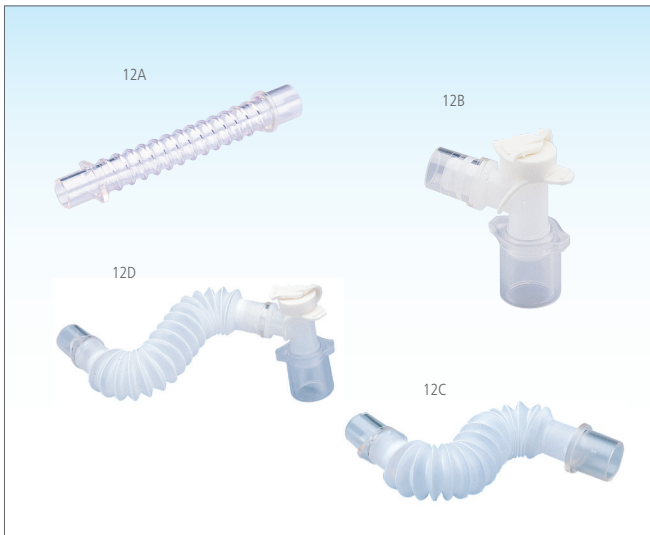
11A. Adult-Pediatric Mechanical HME warms and humidifies air for spontaneously breathing tracheostomy patients. Built-in oxygen port.

11B. Adult-Pediatric Mechanical HME features an end-tidal CO₂ sampling port.

11C. Adult-Pediatric Mechanical HME with Connector with an integral extendable connector.

	ADULT-PEDIATRIC MECHANICAL HME WITH CATHETER MOUNT	ADULT-PEDIATRIC MECHANICAL HME	ADULT-PEDIATRIC MECHANICAL HME WITH CONNECTOR
Catalog Number	353U19004	353U5413	353U5908
Moisture Output @ 2 hrs (ISO 9360)	mg H ₂ O/L	mg H ₂ O/L	mg H ₂ O/L
Vt 250 mL	–	28.8	20.5
Vt 500 mL	28.5	29.5	31.0
Vt 750 mL	–	31.2	29.7
Vt 1000 mL	–	30.4	29.6
Resistance to Flow at: (ISO 9360)			
30 L/min	0.7 cm H ₂ O	0.7 cm H ₂ O	0.5 cm H ₂ O
60 L/min	1.8 cm H ₂ O	2.0 cm H ₂ O	1.1 cm H ₂ O
90 L/min	3.0 cm H ₂ O	3.8 cm H ₂ O	2.0 cm H ₂ O
Dead Space [†]	16 mL	36 mL	60 mL (compressed) 75 mL (extended)
Weight (approx.)	8.5 g	24 g	12 g
Oxygen Volume	<4 L/min	–	–

DAR™ ACCESSORIES FOR FILTERS AND HMES



- 12A. Extension Tube moves connection away from face and provides excellent flexibility while maintaining inner lumen diameter. Catalog Number 332U5115.
- 12B. Double-Swivel Connector connects to face mask or tracheal tube and allows for patient movement. Catalog Number 610U5257.
- 12C. Extendable Extension Tube expands from 4 cm to 13 cm and holds shape for better positioning of the breathing circuit. Catalog Number 332U5663. Also available sterile. Catalog Number 332/5663.
- 12D. Catheter Mount, Extendable has port with cap to allow insertion of suction catheter or bronchoscope. Combination swivels to permit patient movement and helps position breathing circuit. Catalog Number 331U5661.

DESCRIPTION	CATALOG NO.	BOX/CASE QTY
Extension Tube	332U5115	25
Double-Swivel Connector	610U5257	50
Extendable Extension Tube	332U5663	25
Double-Swivel Connector w/Extendable Extension Tube	331U5661	25

*Shown here with Double-Swivel Connector with Extendable Tube. Catalog Number 331U5661.

**Data from Nelson Laboratories, Salt Lake City, Utah: A value of ">99.99" is reported when no colonies are detected on any of the Andersen sampler plates. The actual experimental value is 100%.

†Connectors included — ISO9360



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