

Medtronic

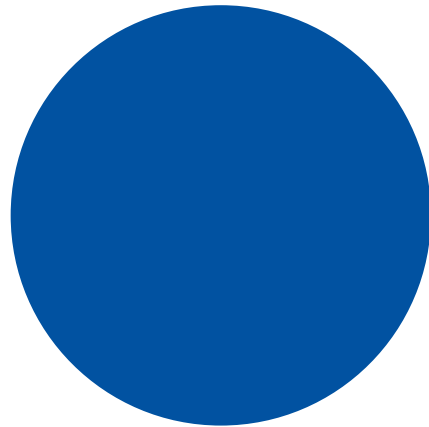
Bio-Medicus Life Support™ Catheters

Individualised ECLS care

Indicated for long-term† ECLS



†21CFR870.4100.



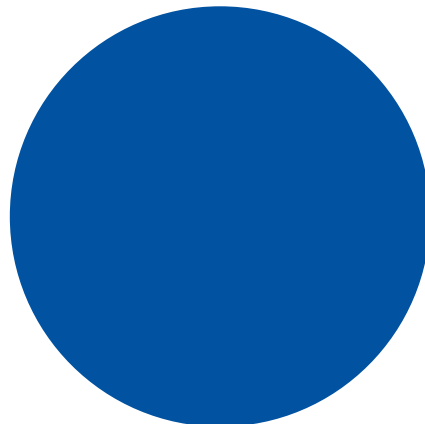
For the full range of patients you treat.



As ECLS therapy evolves and expands, so does the variety of patients you treat. This makes it challenging to provide the best individualised care for each patient.

The Bio-Medicus Life Support catheter portfolio addresses many of these challenges.

Developed with extensive user input, the Bio-Medicus Life Support catheter offers more lengths, sizes, and configurations than previously available, giving you the choice to individualise patient ECLS care.



Designed for performance¹

Enhanced flow

Thin, kink-resistant wall design promotes enhanced flow rates.

Ease of insertion

Features such as fingerlet tip supports create a no-step transition allowing for smooth insertion.

Advanced biostable material

Bio-Medicus Life Support cannulae are made with Elast-Eon[™], a biocompatible and biostable polyurethane/silicone copolymer.[‡] Elast-Eon is commonly used in prolonged-use and implantable medical devices, including ECLS dual lumen catheters.

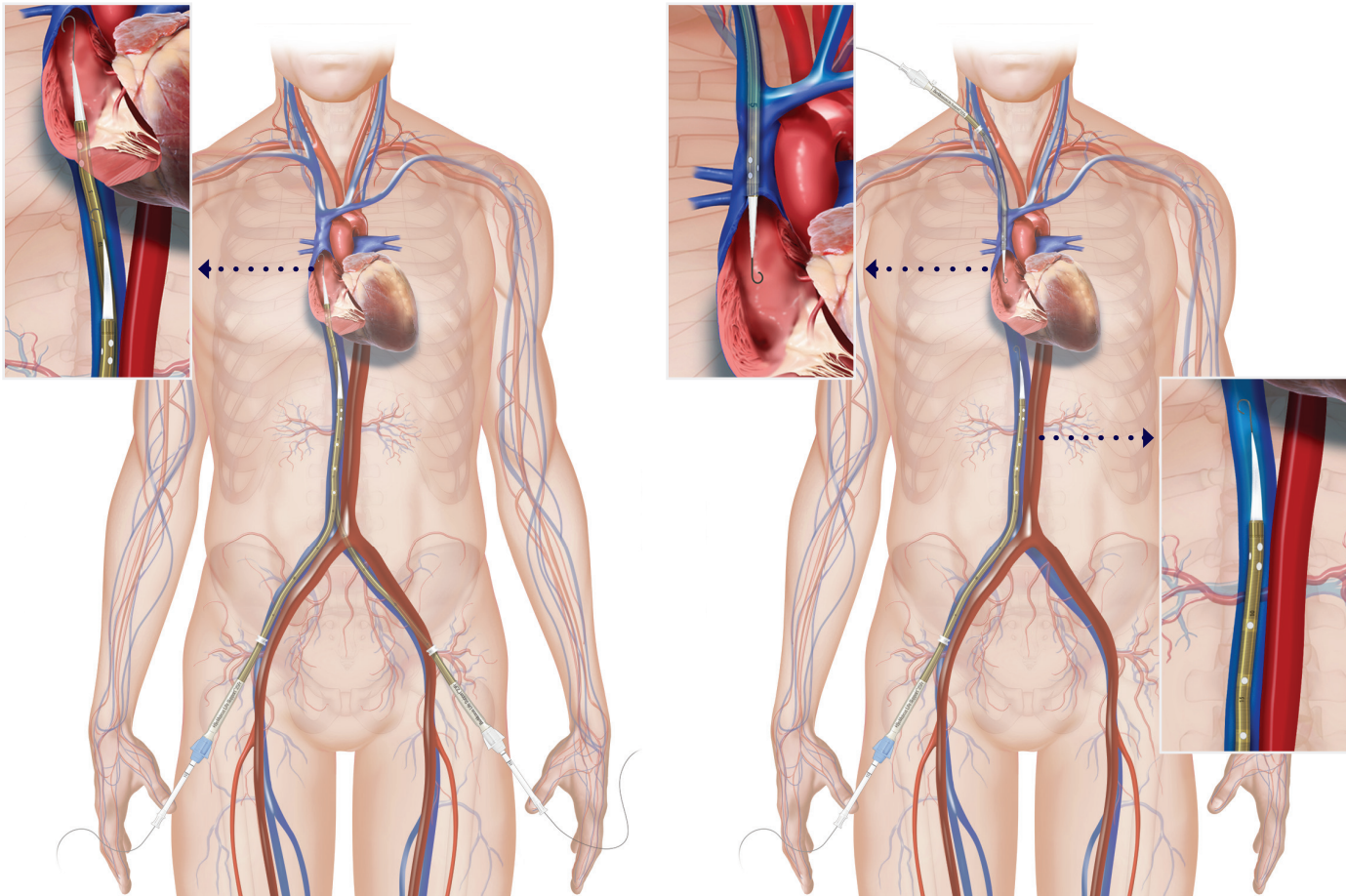
[‡]Elast-Eon[™] is a siloxane urethane copolymer.
¹ Bench data on file, may not be indicative of clinical performance.



Configuration options

We developed the Bio-Medicus Life Support catheter by listening to the needs of ECLS physicians regarding technique and configurations.

Veno-venous



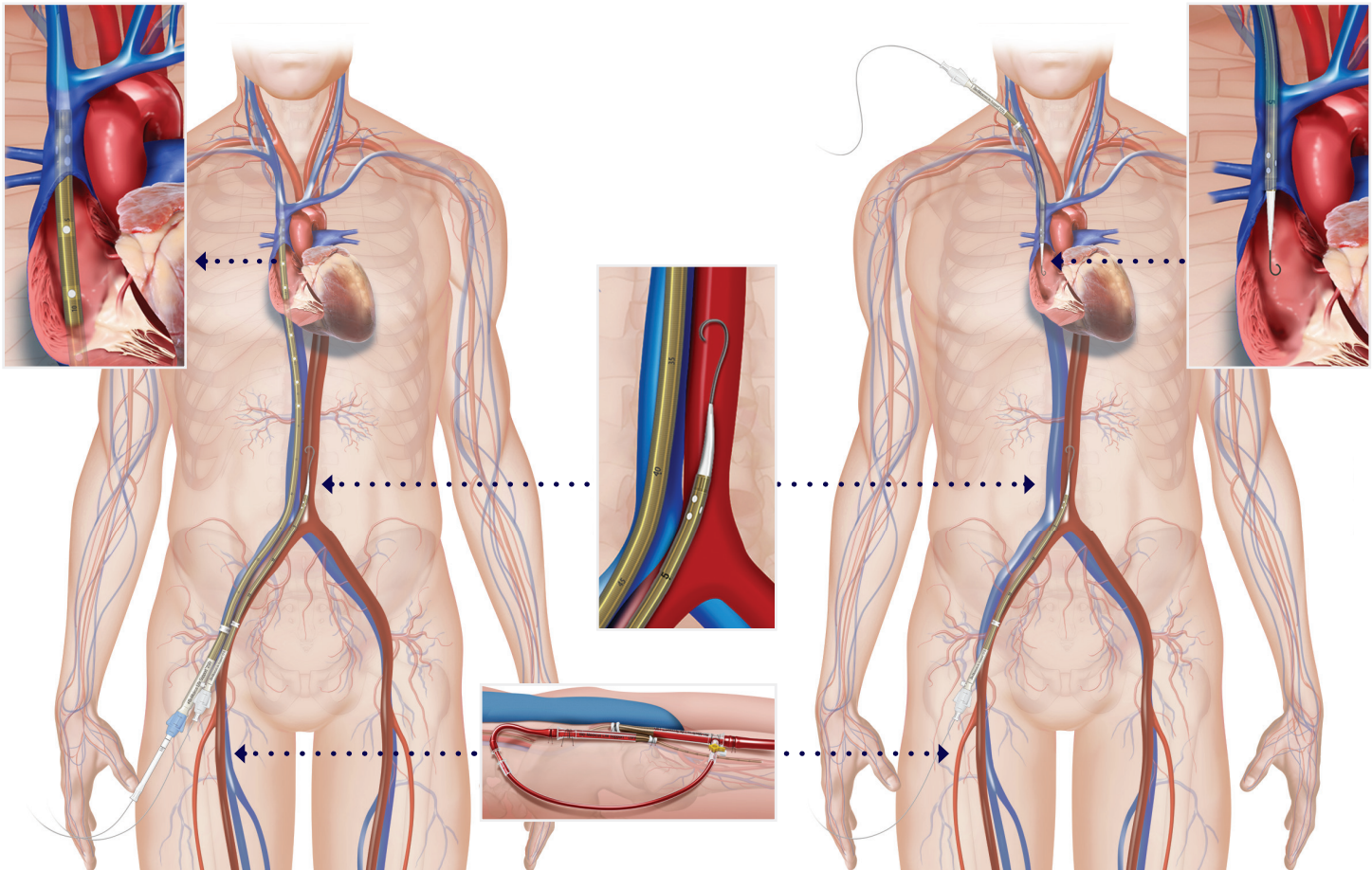
FEM-FEM VV

Femoral-venous drainage
Femoral-venous return

FEMORAL-JUGULAR VV

Femoral-venous drainage
Jugular return

Veno-arterial



FEM-FEM VA

Femoral-venous drainage
Femoral-arterial return

JUGULAR-FEMORAL VA

Jugular-venous drainage
Femoral-arterial return

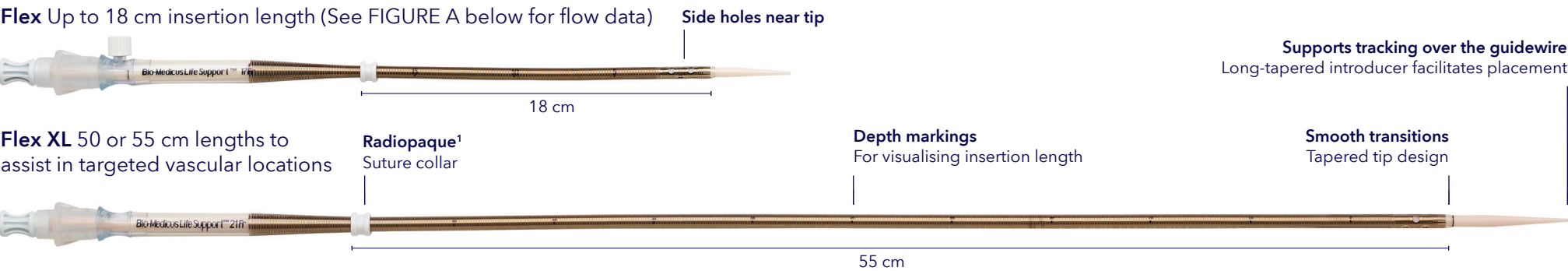
More sizes. More lengths. More options.*

Bio-Medicus Life Support offers catheter options so that you have the flexibility to treat each patient – smallest to largest, youngest to oldest – with varying extracorporeal support needs.

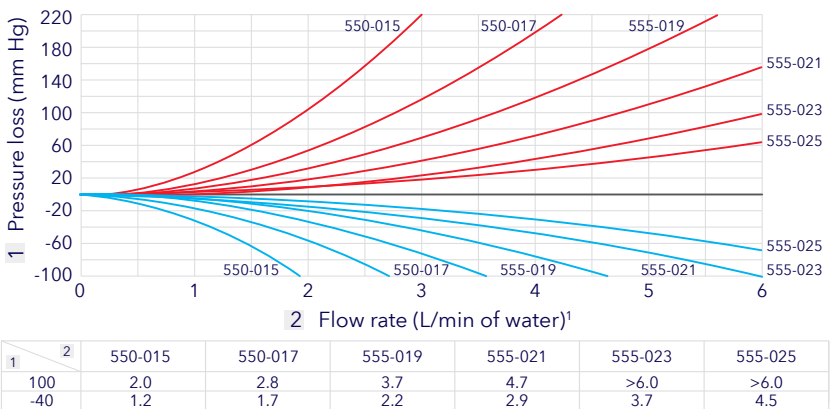
- French sizes 9 to 29
- Insertion lengths from 10 to 61 cm
- Configurations for VA and VV ECMO or ECLS

Drainage or return catheters – Flex

Used for VA or VV configurations
Designed for drainage or return at different insertion lengths, with side holes only near the tip

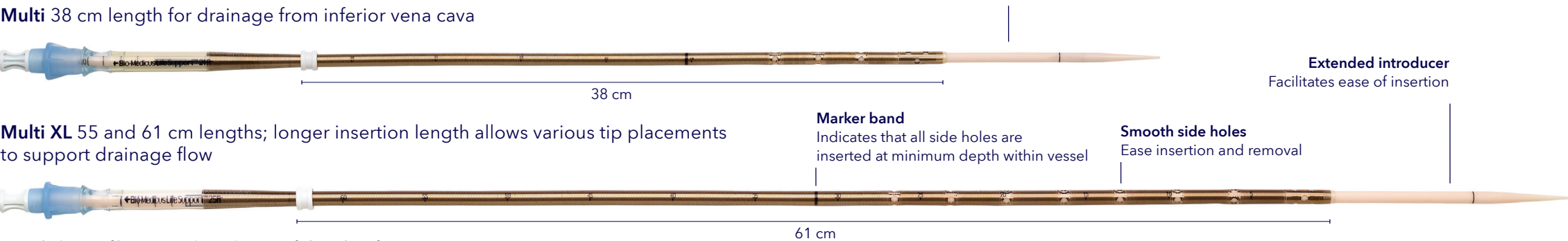


Flex XL return/drainage catheters LS96550-, LS96555-¹

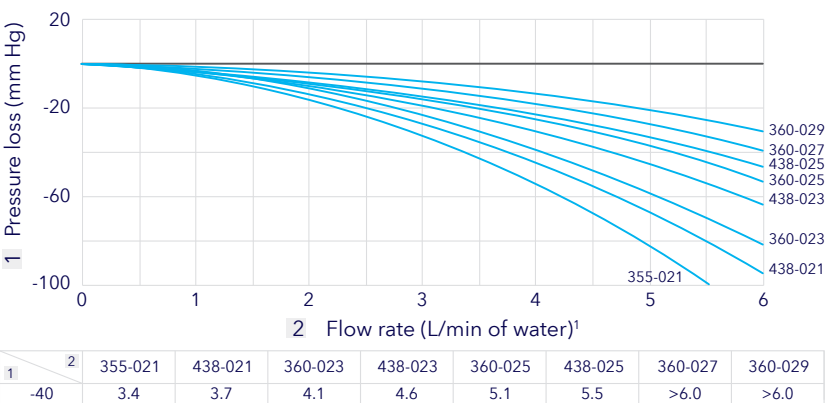


Drainage catheters – Multi

Designed for enhanced drainage and enhanced flow dynamics¹

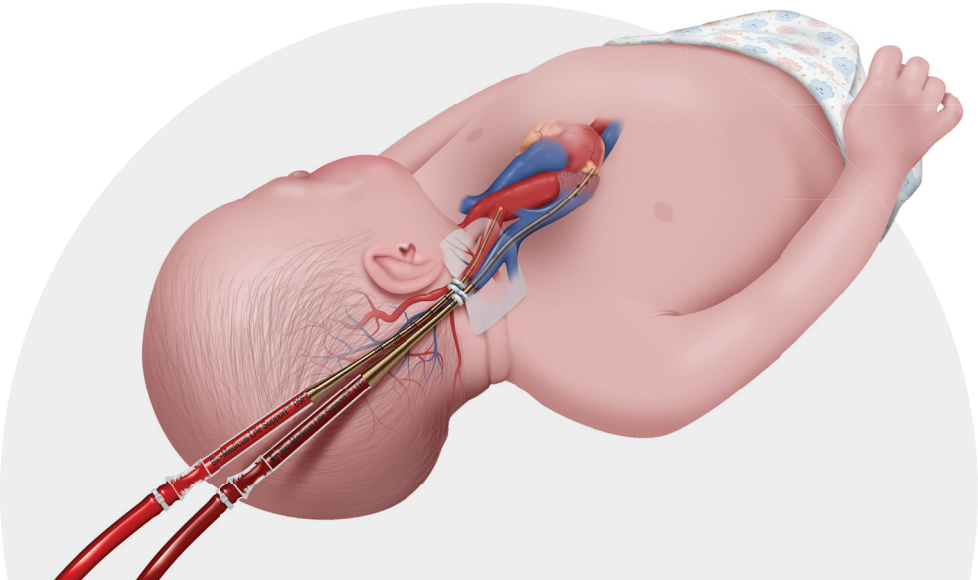
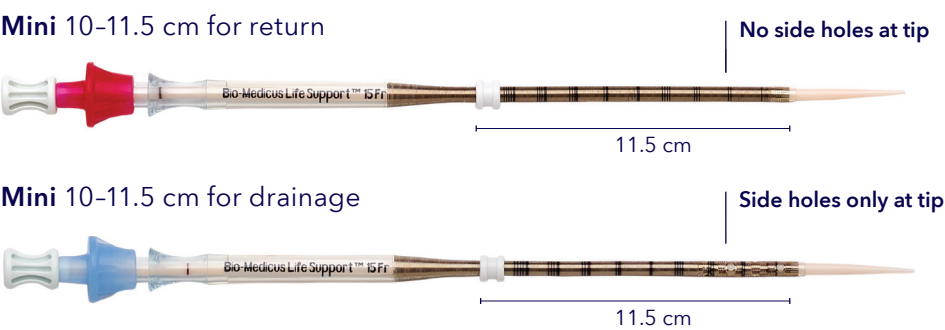


Multi and Multi XL drainage catheters LS96438-, LS96355-, LS96360-¹



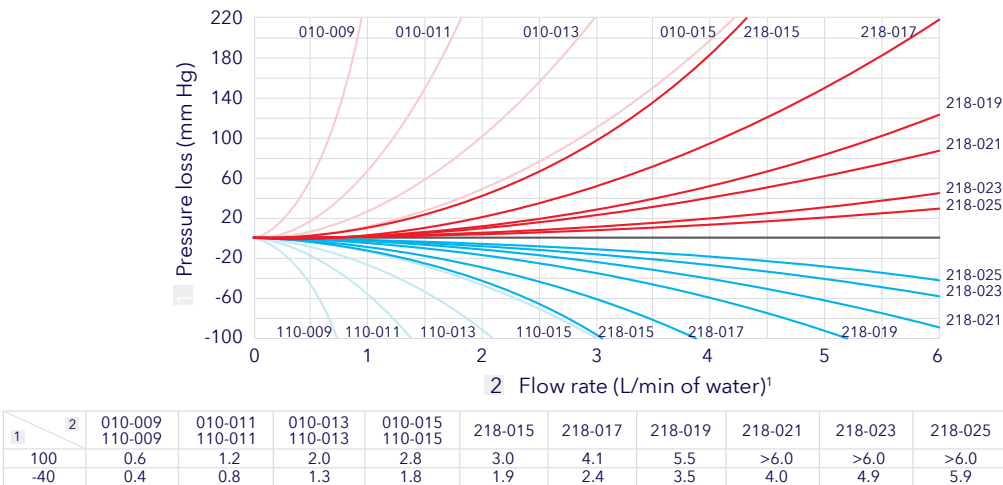
Drainage or return catheters – Mini

For catheter placement configurations that require smaller sizes and shorter insertable lengths



*More sizes, more lengths, more options as compared to the Medtronic Legacy Biomedicus range or the DLP range.

FIGURE A Flex and Mini return/drainage catheters LS96010-, LS96110-, LS96218-¹



¹Bench data on file, may not be indicative of clinical performance.

Ordering information

Bio-Medicus Life Support catheters and introducers	Catheter code	French size	Tip length	Connector
Return or drainage Flex	LS96218-015	15 Fr (5.0 mm)	18 cm	3/8 in (0.95 cm) vented
	LS96218-017	17 Fr (5.7 mm)	18 cm	3/8 in (0.95 cm) vented
	LS96218-019	19 Fr (6.3 mm)	18 cm	3/8 in (0.95 cm) vented
	LS96218-021	21 Fr (7.0 mm)	18 cm	3/8 in (0.95 cm) vented
	LS96218-023	23 Fr (7.7 mm)	18 cm	3/8 in (0.95 cm) vented
	LS96218-025	25 Fr (8.3 mm)	18 cm	3/8 in (0.95 cm) vented
Return or drainage Flex XL	LS96550-015	15 Fr (5.0 mm)	50 cm	3/8 in (0.95 cm) non-vented
	LS96550-017	17 Fr (5.7 mm)	50 cm	3/8 in (0.95 cm) non-vented
	LS96555-019	19 Fr (6.3 mm)	55 cm	3/8 in (0.95 cm) non-vented
	LS96555-021	21 Fr (7.0 mm)	55 cm	3/8 in (0.95 cm) non-vented
	LS96555-023	23 Fr (7.7 mm)	55 cm	3/8 in (0.95 cm) non-vented
	LS96555-025	25 Fr (8.3 mm)	55 cm	3/8 in (0.95 cm) non-vented
Drainage Multi	LS96438-021	21 Fr (7.0 mm)	38 cm	3/8 in (0.95 cm) non-vented
	LS96438-023	23 Fr (7.7 mm)	38 cm	3/8 in (0.95 cm) non-vented
	LS96438-025	25 Fr (8.3 mm)	38 cm	3/8 in (0.95 cm) non-vented
Drainage Multi XL	LS96355-021	21 Fr (7.0 mm)	55 cm	3/8 in (0.95 cm) non-vented
	LS96360-023	23 Fr (7.7 mm)	61 cm	3/8 in (0.95 cm) non-vented
	LS96360-025	25 Fr (8.3 mm)	61 cm	3/8 in (0.95 cm) non-vented
	LS96360-027	27 Fr (9.0 mm)	61 cm	3/8 in (0.95 cm) non-vented
	LS96360-029	29 Fr (9.7 mm)	61 cm	3/8 in (0.95 cm) non-vented
Return Mini	LS96010-009	9 Fr (3.0 mm)	10 cm	1/4 in (0.64 cm) non-vented
	LS96010-011	11 Fr (3.7 mm)	10.5 cm	1/4 in (0.64 cm) non-vented
	LS96010-013	13 Fr (4.3 mm)	11 cm	1/4 in (0.64 cm) non-vented
	LS96010-015	15 Fr (5.0 mm)	11.5 cm	1/4 in (0.64 cm) non-vented
Drainage Mini	LS96110-009	9 Fr (3.0 mm)	10 cm	1/4 in (0.64 cm) non-vented
	LS96110-011	11 Fr (3.7 mm)	10.5 cm	1/4 in (0.64 cm) non-vented
	LS96110-013	13 Fr (4.3 mm)	11 cm	1/4 in (0.64 cm) non-vented
	LS96110-015	15 Fr (5.0 mm)	11.5 cm	1/4 in (0.64 cm) non-vented

ALWAYS REFER TO THE IFU: For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use.

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