

General Product Information:

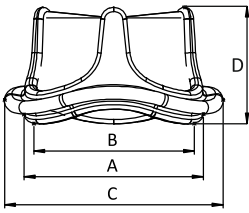
Storage Temperature : 10 °C to 25 °C (50-77 °F)

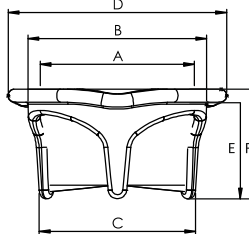
Storage Solution : 0.625% Glutaraldehyde

Rinse Procedure : 1 min rinse each in first 3 bowls of normal saline and leave the valve in 4th bowl with normal saline until implantation.

MRI Safety Information : Testing of this device in a magnetic field of 1.5 and 3.0 Tesla has shown that this device is MR conditional.

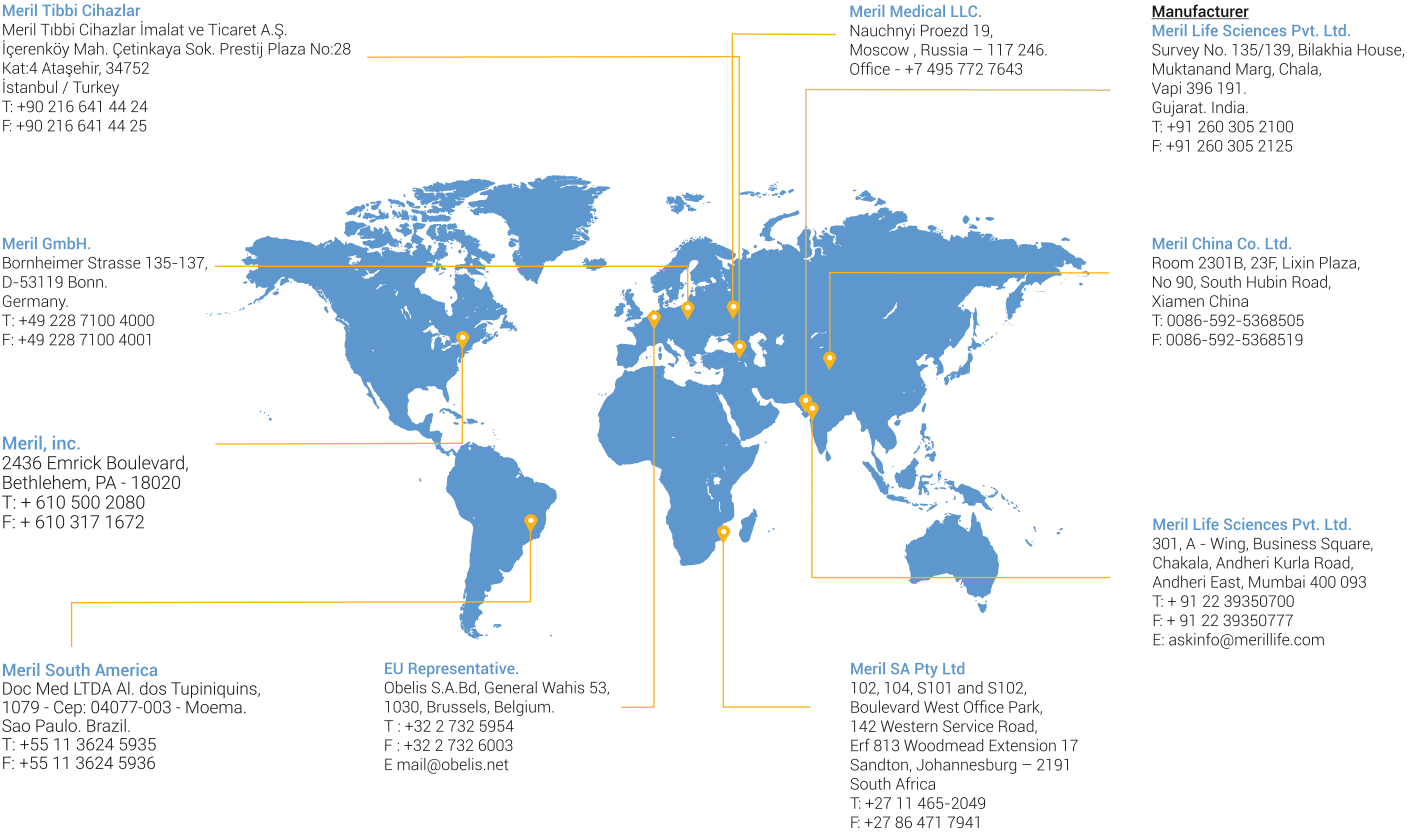
Technical Specification:

	Meril Dafodil Neo Aortic Valve	17mm	19mm	21mm	23mm	25mm	27mm	29mm
	A. Tissue Annulus Diameter	17	19	21	23	25	27	29
	B. Internal Stent Post Diameter (Base)	16	18	20	22	24	26	28
	C. External Sewing Ring Diameter	23	25	27	29	31	33	35
	D. Total Profile Height	14	14	15	16	17	18	18

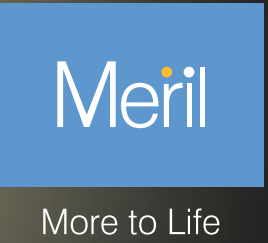
	Meril Dafodil Neo Mitral Valve	23mm	25mm	27mm	29mm	31mm	33mm
	A. Stent Diameter (Wire Form)	23	25	27	29	31	33
	B. External Stent Post Diameter (Base)	26.5	28.5	30.5	33	35	37
	C. External Stent Post Diameter (Tip)	27	29	31	33.5	35.5	37.5
	D. External Sewing Ring Diameter	33	36	38	41	43	45
	E. Ventricular Protrusion	9	10	11	12	12	12
	F. Total Profile Height	15	16	17	18	18	19

Available Bioprosthesis Diameter (mm)	Ordering Information	
	Aortic Model	Mitral Model
17	DDLN 17A *17 mm valve is available as a "Custom made device" on prescription only	N/A
19	DDLN 19A	N/A
21	DDLN 21A	N/A
23	DDLN 23A	DDLN 23M
25	DDLN 25A	DDLN 25M
27	DDLN 27A	DDLN 27M
29	DDLN 29A	DDLN 29M
31	N/A	DDLN 31M
33	N/A	DDLN 33M

Meril’s Global Presence



E askinfo@merillife.com
W www.merillife.com

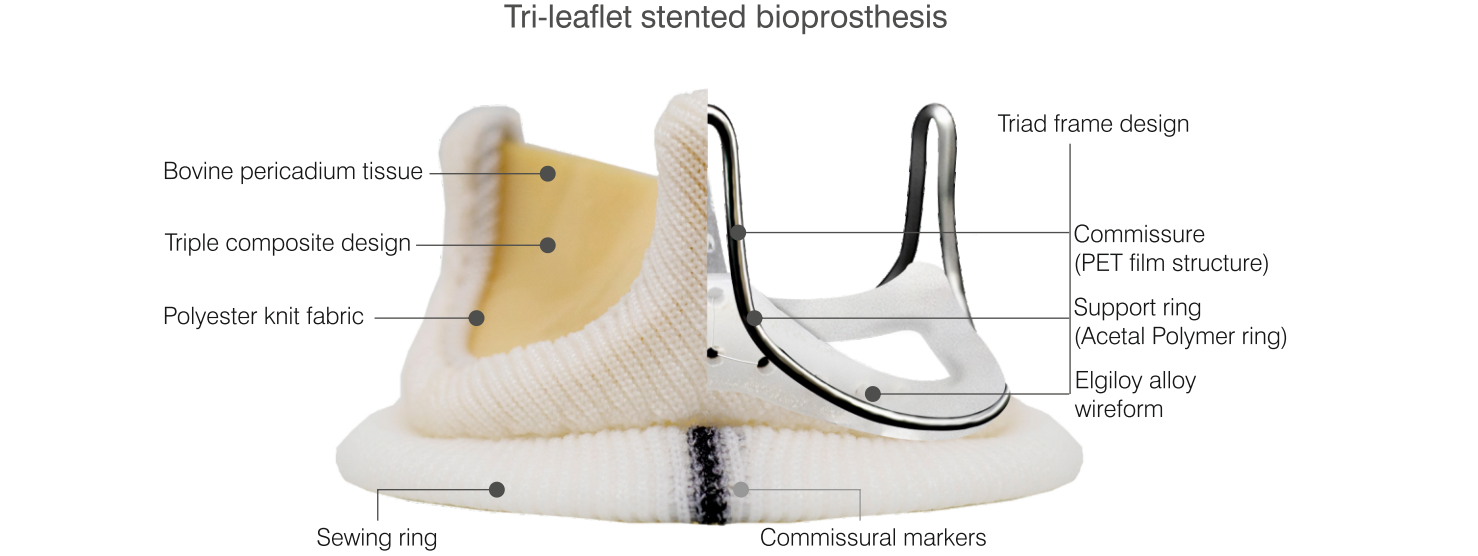


Dafodil Neo™
Pericardial Bioprosthesis

" Performance Par Excellence"

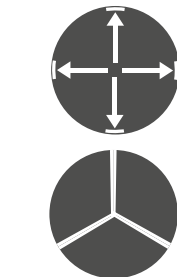


DFN/BROCHURE/001/MLS/20230207/IND



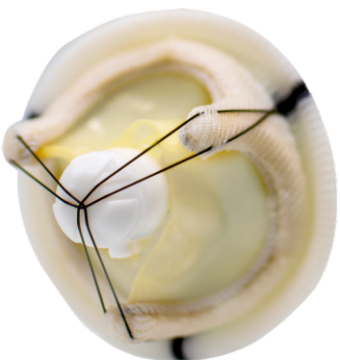
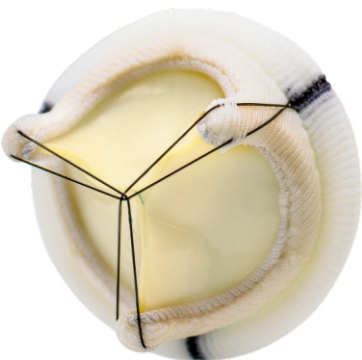
HEMODYNAMICS SUPPORT

- Triple-Composite design provides optimal Effective Orifice Area (EOA)
- The three separate leaflets are matched for better leaflet Coaptation which helps minimize Intra-Valvular Regurgitation.

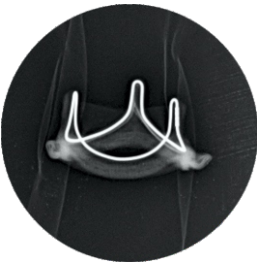
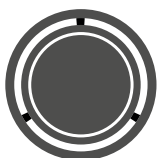


EASE OF IMPLANTABILITY

- Black sutures in Mitral valves helps reduce the profile of the commissures, easing the bioprosthesis implantation in the Mitral annulus.
- New 17mm size offering suited for small aortic annulus
- Reduced mitral protrusion to provide greater ease of implantability.
- Separate long holder handle provided making it suitable for minimally invasive procedures.



- Sewing ring dimension modified to provide higher stent diameter to tissue annulus diameter ratio and for ease of implantability.
- Commissural markers on sewing ring facilitates suture placement and valve orientation.
- Elgiloy alloy wireform provides excellent Radio-Opacity and handling characteristics.



Aortic Valve Placement



Mitral Valve Placement

New 17mm size offering

Reduced sewing ring diameter

Reduced mitral protrusion

Mitral

Aortic

TRUSTED DURABILITY

- Anti Ca⁺ proprietary Anti Calcification Treatment by Meril.
- The primarily fixed tissue is treated with a cocktail of reagents that lend an anti- calcification property :-
 - Treatment in Nitrogen gas atmosphere eliminates air oxidation of aldehyde to acids.(glutaraldehyde to carboxylic acid). This prevents attraction of Calcium ions.
 - A Denaturing agent to reduce the bio burden and phospholipid load from residual biological debris.
 - A Surface active agent removes phospholipids from deep intracellular components.
- Leaflets are treated with proprietary anti-calcification process to increase valve's long term durability.
- Three independent pericardial leaflets are laser cut to provide absolute uniformity realizing a Triple-composite design.
- Triad-frame design with elgiloy alloy wireform provides Robustness via Superior spring efficiency, Fatigue and Corrosion resistance.

