

# A Real MAGNAtude of MITRAL Performance



Carpentier-Edwards  
**PERIMOUNT MAGNA Mitral**  
Pericardial Bioprosthesis



Edwards  
LIFESCIENCES

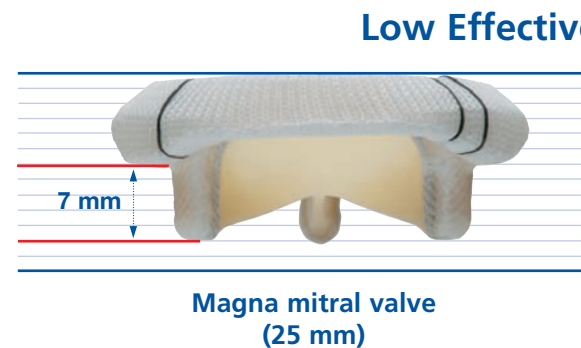
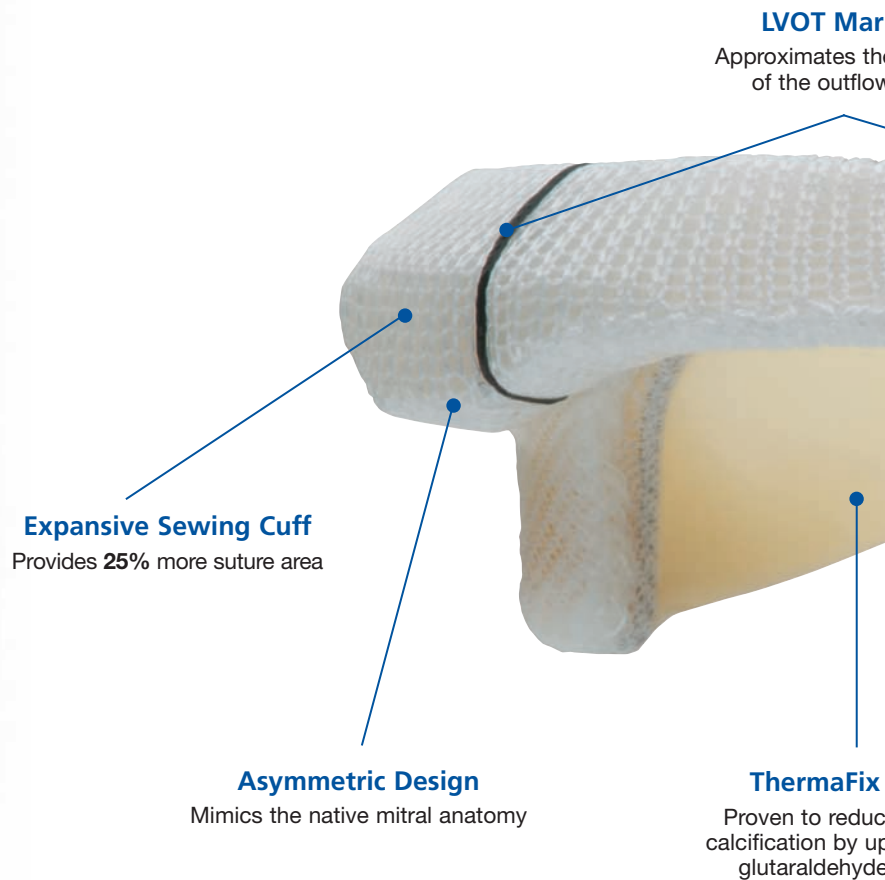


# A Real MAGNAtude of M

The *Carpentier-Edwards PERIMOUNT Magna mitral pericardial* mitral repair. The Magna mitral valve is the ultimate in mitral

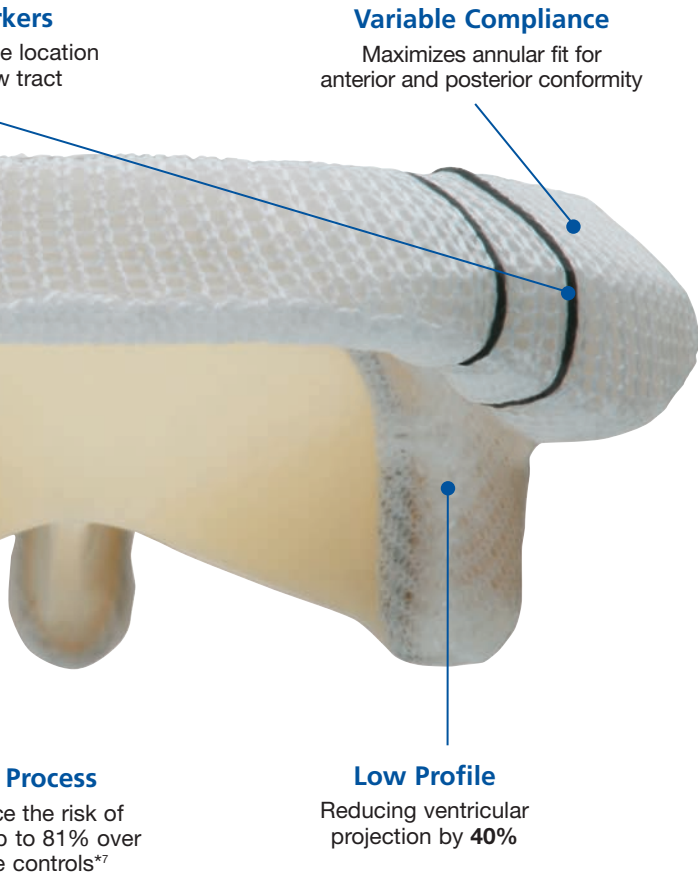
## Real Mitral Performance

- In the mitral annulus, the fibrous anterior aspect is anatomically distinct from the muscular posterior aspect giving the annulus an overall saddle-shaped geometry.<sup>1,3</sup>
  - The asymmetric design of the Magna mitral valve optimizes annular conformity while reference markers delineate the outflow tract for optimal hemodynamic positioning in the mitral annulus
- Mitral annular degenerative changes, such as calcification and scar tissue, can result in coaptive challenges between the sewing cuff and annular tissue<sup>6</sup>
  - The Magna mitral valve has a wide, expansive sewing cuff with variable compliance that enhances the coaptive interface between cuff and mitral annular tissue while accommodating variability in suture technique
- Left ventricular wall injury and outflow tract obstruction have been known to result from projection of the stent into the left ventricle<sup>6</sup>
  - The Magna mitral valve has the lowest effective profile of any mitral tissue valve, giving it the lowest ventricular projection for any stented mitral valve in the industry<sup>4,5</sup>



# MITRAL Performance.

*Cardial bioprosthesis* embodies over 40 years of Edwards innovation in mitral replacement and is designed to produce a real MAGNAtude of MITRAL performance.



## Unique Mitral Design

- The only asymmetric mitral valve designed to enhance coaptive interface between anterior and posterior aspects of the native mitral annulus
- Lowest effective profile of any mitral tissue valve with reduced ventricular projection by 40%<sup>4,5</sup>

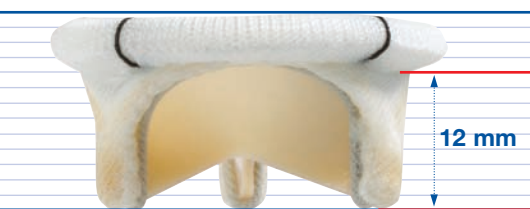
## Unmatched Implantability

- Lowest ventricular projection for any stented mitral valve<sup>4,5</sup>
- Wide, expansive sewing cuff with 25% more effective suture area
- Anatomic reference markers to optimize orientation for position and ventricular flow

## Unparalleled Durability

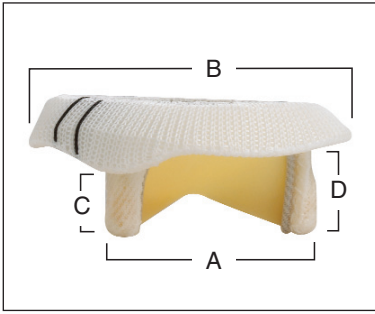
- Built upon the 16-year proven durability of the Carpentier-Edwards PERIMOUNT mitral valve<sup>2</sup>
- The Carpentier-Edwards ThermoFix process\* is the only dual-action tissue treatment designed to confront the causes of calcific SVD

## Low Profile



PERIMOUNT mitral valve (25 mm)

# Carpentier-Edwards PERIMOUNT MAGNA Mitral Pericardial Bioprosthesis



## Model 7000TFX Nominal Specifications (mm)

Size	25 mm	27 mm	29 mm	31 mm	33 mm
A. External Stent Diameter (TAD)	28	29.5	31.5	33.5	33.5
B. External Sewing Ring Diameter	36	38	40	42	44
C. Anterior Effective Profile	7	7.5	8	8.5	8.5
D. Posterior Effective Profile	10	10.5	11	11.5	11.5

## Accessories

1117	Flexible, reusable mitral handle
1111	Reusable handle
1126	Longer, single use handle
1177HP	Sizer set; includes EOA, size and LVOT markers
TRAY1177HP	Accessory tray



**Lock in Confidence**  
The Tricentrix holder system aids in implantability and visualization for ease of valve insertion and suture tie down.



Accessory tray with easy to read EOA performance-based labeling.



Sizer lip mimics the sewing band for precise sizing with any technique.

## References

1. Arounlangsy P, et al. Histopathogenesis of early-stage mitral annular calcification. *J Med Dent Sci* 2004 Mar;51(1):35-44.
2. Marchand MA, et al. Fifteen-year experience with the Mitral Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis. *Ann Thorac Surg* 2001;71:S236-9. Carpentier-Edwards PERIMOUNT Mitral Pericardial Bioprosthesis 16-year Results. Data on file at Edwards Lifesciences, 2003.
3. Jimenez JH, et al. Effects of a saddle shaped annulus on mitral valve function and chordal force distribution: an *in vitro* study. *Ann Biomed Eng* 2003 Nov;31(10):1171-81.
4. "Ventricular protrusion" Mosaic bioprostheses brochure UC200103933 EN, Medtronic, Inc. 2001.
5. "Ventricular protrusion" SJM Biocor Valve brochure. ITEM1809/0705/7.5M/EN/YC. St. Jude Medical, Inc. 2005.
6. Gudbjartsson T, Aranki S, Cohn LH. Mechanical/bioprosthetic mitral valve replacement. In: Cohn LH, Edmunds LH Jr., eds. *Cardiac Surgery in the Adult*. New York; McGraw-Hill 2003:951986.

\*No clinical data are available which evaluate the long-term impact of the Edwards Lifesciences tissue treatment in patients.

Rx only. See instructions for use for full prescribing information.

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