

Regent™ Mechanical Heart Valve Standard Cuff

Aortic Valves



Product Highlights

- Designed to deliver exceptional hemodynamics and performance while maintaining low complication rates, structural integrity and durability
- Single-digit gradients, even in sizes as small as 19 mm¹
- Up to 84% orifice to annulus ratio
- 85 degree leaflet opening angle offers improved laminar flow and reduces turbulence^{2,4}
- Supra-annular placement and low implant height
- The FlexCuff™ is flanged and more pliable than the standard cuff
- St. Jude Medical heart valves are MR Conditional⁵

Ordering Information

Contents: Aortic Valve (1 unit per box)

Model/Reorder* Number	Tissue Annulus Diameter (mm)	Valve Orifice Inner Diameter (mm)	Geometric Orifice Area (cm ²)	Effective Orifice Area ⁶ (cm ²)	Cuff Style
17AGN-751	17	15.9	1.87	1.42	Standard
19AGN-751	19	17.8	2.39	1.84	Standard
21AGN-751	21	19.6	2.90	2.47	Standard
23AGN-751	23	21.4	3.45	2.91	Standard
25AGN-751	25	23.0	4.02	3.34	Standard
27AGN-751	27	24.9	4.69	4.28	Standard
29AGN-751	29	26.8	5.44	Not reported	Standard

*All sizes currently not available in all markets.

1. St. Jude Medical, Inc. Pre-Market Approval Application Supplement. Regent Heart Valve. Washington, D.C.; U.S. Food and Drug Administration. 2002. P810002/S57.
2. King, M, David T, Fisher J. An initial parametric study on fluid flow through bileaflet mechanical heart valves using computational fluid dynamics. *J Eng Med.* 1994;208:63-72.
3. Feng Z, Nakamura T, Fujimoto T, et al. In vitro investigation of opening behavior and hydrodynamics of bileaflet valves in the mitral position. *Artificial Organs.* 2002;26(1):32-9.
4. Shipkowitz T, Armbros J, Kurk J, et al. Evaluation technique for bileaflet mechanical valves. *J Heart Valve Dis.* 2002;11(2):275-82.
5. St. Jude Medical MRI Safety Document.
6. Walker DK, Brendzel AM, Scotten LN. The new St. Jude Medical Regent mechanical heart valve: Laboratory measurements of hydrodynamic performance. *J Heart Valve Dis.* 1999;8(6):687-96.

Please review the Instructions for Use prior to using these devices for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

Product referenced is approved for CE Mark.

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