

Regent™ Mechanical Heart Valve FlexCuff™

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 turbulence²⁻⁴
- 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)

Reorder Number	Tissue Annulus Diameter (mm)	Valve Orifice Inner Diameter (mm)	Geometric Orifice Area (cm ²)	Effective Orifice Area (cm ²)	Cuff Style
19AGFN-756	19	17.8	2.39	1.84	FlexCuff
21AGFN-756	21	19.6	2.90	2.47	FlexCuff
23AGFN-756	23	21.4	3.45	2.91	FlexCuff
25AGFN-756	25	23.0	4.02	3.34	FlexCuff
27AGFN-756	27	24.9	4.69	4.28	FlexCuff

1. St. Jude Medical, Inc. Pre-Market Approval Application Supplement. Regent Heart Valve. Washington, D.C.; U.S. Food and Drug Administration. 2002. P810002S57.

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, Ambrus J, Kurk J, et al. Evaluation technique for bileaflet mechanical valves. Heart Valve Dis. 2002, Mar; 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.

Rx Only

St. Jude Medical prosthetic heart valves are indicated for use as replacement valves in patients with a diseased, damaged, or malfunctioning native or prosthetic valve. Possible side effects for all valvular implants include, but are not limited to: regurgitation, thromboembolic phenomena, resistance to flow, infection, hemolysis, dysrhythmias, and prosthetic dehiscence or failure. Anticoagulation is recommended for patients with mechanical valve implants. Please see the physician's manual for a full description of indications, contraindications, side effects, precautions, warnings and instructions for use.

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