St. Jude Medical® Masters HP Series Mechanical Heart Valve



THE MASTERS HP SERIES

The low-profile design of the St. Jude Medical® Masters HP Series is based on the time-tested design of the St. Jude Medical[®] Masters Series with design enhancements that result in superior flow characteristics. ¹⁶

Exceptional Hemodynamics

- The St. Jude Medical Masters HP Series heart valve allows placement of a larger pyrolytic carbon orifice, leading to an increased effective orifice area (EOA), lower pressure gradients and significantly improved hemodynamic performance.¹⁻⁶
- 85° leaflet opening angle offers improved laminar flow and reduces turbulance^{2,7,8}
- Lower pressure gradients¹⁻⁶
- Up to 74% orifice to annulus ratio
- Minimal turbulence and stasis

Optimal Implantability

- The key to the Masters HP Series is its redesigned sewing cuff. The cuff has been designed to facilitate supra-annular placement, allowing for an increase in orifice size for a given tissue annulus diameter.
- Sewing cuff contains additional suture markers for more accurate placement
- Minimizes interference with subvalvular structures in the mitral position
- Controlled torque rotation mechanism that allows for easy rotation and intraoperative adjustment

Visibility

- St. Jude Medical heart valves are MR conditional⁹
- Radiopaque for improved visualization during X-ray and cinefluoroscopy





Orifice to Annulus Ratio - 19mm Valve

Masters HP Series

Masters Series

72%

56%

References

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CARDIOLOGY

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NEUROMODULATION



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.

CAUTION: FERDERAL LAW RESTRICTS THESE DEVICES TO SALE BY OR ON THE ORDER OF A PHYSICIAN OR PROPERLY LICENSED PRACTITIONER.

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