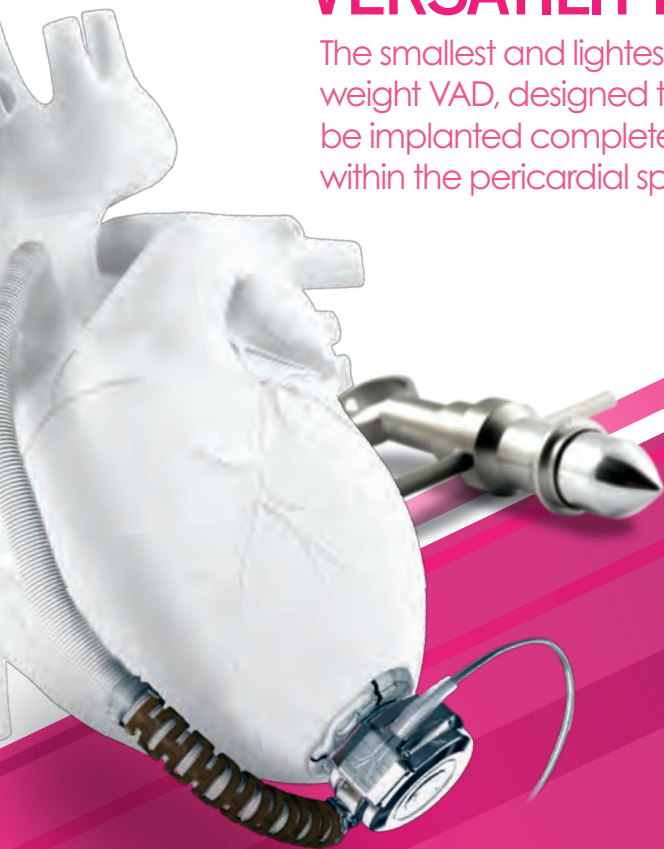


PROVEN VERSATILITY

ONLY hVAD[®] System

offers **PROVEN
VERSATILITY**

The smallest and lightest weight VAD, designed to be implanted completely within the pericardial space.



HeartWare[®]

A VAD that offers surgical versatility

- The HVAD® Pump is the lightest weight VAD¹ available today, affording more surgical versatility to treat the broadest range of patients.
- The integrated inflow cannula offers the flexibility to fit into smaller-framed patients and treat more complex patients. It also allows for stable inflow position—even with body habitus changes—eliminating complication of malposition.²
- The pump has a 10mm outflow graft that attaches to the artery, reducing the anastomotic size by approximately 50% compared to other devices. This enables treatment of patients with small anastomotic landing sites or the flexibility to change arterial locations.

A VAD that's easier to implant

- The HVAD Pump is the first VAD designed to be completely implanted within the pericardial space,² which offers the following benefits:
 - Allows for less invasive and off-pump implantation, exchange, and explantation.³
 - Ensures a stable position in the left ventricle, even with ventricular and body changes that occur after implant.²
 - Eliminates the need for a pump pocket, which may lead to decreased bleeding and decreased blood product use.
- The HVAD® System provides customized surgical tools for a simple 3-step implantation procedure.
 - Proprietary sewing ring allowing for versatile attachment prior to coring.
 - Precise apical coring tool designed to capture excised tissue.



1. Weighs only 160 grams. 23.7 mm base height is 30% thinner than other devices. 50 cc pericardial volume is 38% less than other devices.
2. Sorensen EN, et al, Computed tomography correlates of inflow cannula malposition in a continuous-flow ventricular-assist-device. J Heart Lung Transpl 2013;32 (6):654-657.
3. Sabashnikov A, et al, outcomes in patients receiving Heartmate II versus HVAD left ventricular assist device as a bridge to transplantation. Transplant Proc, 46, 1469-1475 (2014).

CAUTION: Federal law (USA) restricts this device to sale by or on the order of a physician. Refer to the "Instructions for Use" for complete Indications for Use, Contraindications, Warnings, Precautions, Adverse Events and Instructions prior to using this device. The IFU can be found at www.heartware.com/clinicians/instructions-use.

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