

Impella CP™

How the Impella CP Works

The Impella CP™ is a new percutaneous, catheter-based Impella® device. The **increased flow** of the Impella CP™ is delivered on the same platform as the Impella 2.5. The pump can be inserted through the same procedure as the Impella 2.5.

In September 2012, the Impella CP received FDA 510(k) clearance for circulatory support for periods up to 6 hours, for cardiac procedures not requiring cardiopulmonary bypass.

Impella® 5.0

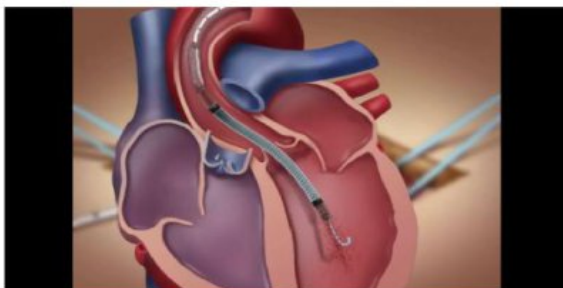
How the Impella 5.0 Works:

The Impella 5.0 catheter is an intravascular microaxial blood pump that delivers up to 5.0 liters a minute of forward blood flow from the left ventricle to the aorta.

The Impella 5.0 can be inserted into the left ventricle via femoral cut down or through the axillary artery. The Impella 5.0 pump goes through the ascending aorta, across the valve and into the left ventricle.

Micro-Axial Blood Pump

- Delivers forward-flow from the left ventricle to the aorta
- 9 Fr catheter-based platform
- 21 Fr micro-axial pump
- Minimal bedside support



HCS-PM00522 rA



Single Access Point

- Minimally invasive placement through a single artery and into the left ventricle
- Several options for access site
- No septal puncture
- No priming/no blood outside the body
- Multiple large bore cannulae not required

In April 2009, the Impella 5.0 received FDA 510(k) clearance for circulatory support for periods up to 6 hours, for cardiac procedures not requiring cardiopulmonary bypass.

Automated Impella® Controller (AIC)

The Automated Impella Controller (AIC) is the primary user control interface for the Impella platform. The AIC controls the Impella catheter performance, monitors for alarms, and displays real time hemodynamic and catheter position information. The AIC is approved for patients to be transported while being supported by the Impella.

Automated Impella Controller Details:

- Large high resolution display delivers real time critical care information
- Transportation capable with durable and secure cart
- Autoflow single touch activation
- Boost setting delivers maximum support
- Direct dial-in flow capability for weaning

