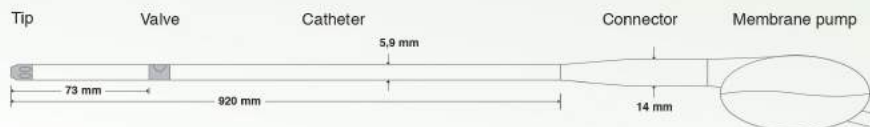


# iVAC2L<sup>®</sup>

Percutaneous Ventricular Assist Device



## ORDERING INFORMATION

### iVAC2L<sup>®</sup> - single pack

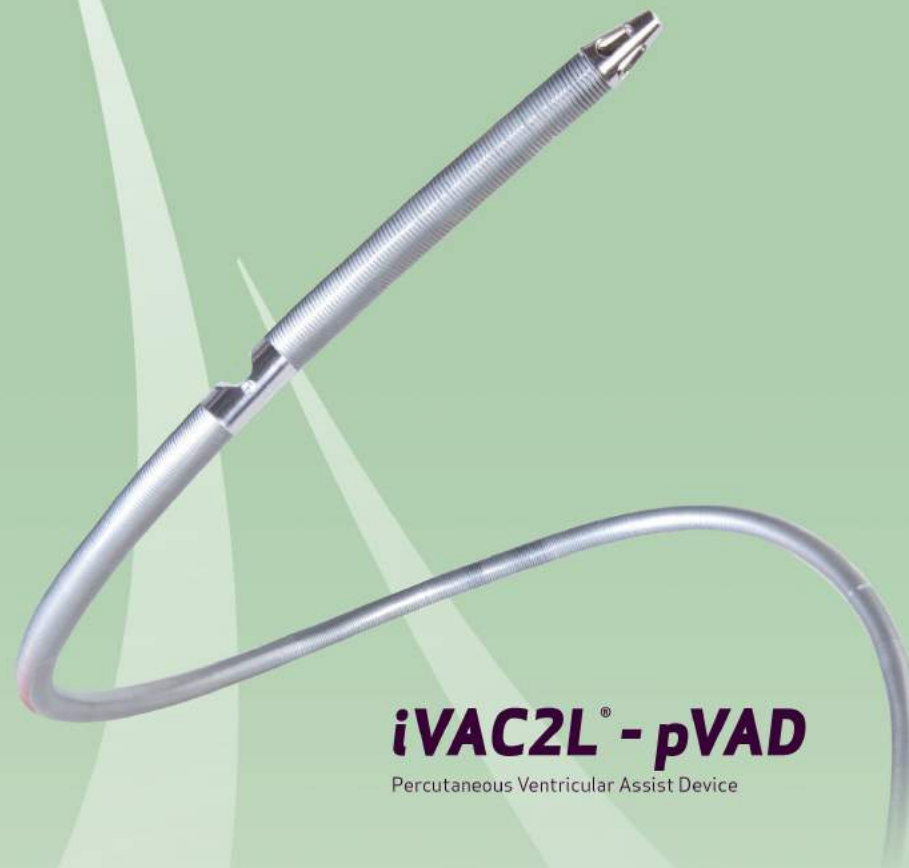
An initial kit package contains a LV17 catheter, an extra PTFE catheter inner tube, an extension tube and a SoloPath Re-Collapsible (SR1935) Access System.

Product code	Spacing - distal tip to bi-directional valve (mm)	Catheter length (mm)
LV17-1	60	980

**PulseCath BV**  
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Fax: +31 (0) 26 845 8422  
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BR22092018REV001



## iVAC2L<sup>®</sup> - pVAD

Percutaneous Ventricular Assist Device

CARDIAC OUTPUT  
**AS NATURE  
INTENDED**



# THE TRANSFEMORAL PULSATILE pVAD\*:

## PRODUCT FEATURES:

- Transfemoral 17Fr pVAD system
- Inserted through the SoloPath Re-Collapsible Access System with an insertion profile of 13.5Fr
- A 17Fr single lumen, bi-directional flow catheter; providing pulsatile support
- ECG or AP triggered counter pulsation
- Driven and compatible with standard IABP consoles

## ADVANTAGES FOR YOUR DAILY PRACTICE:

- Swift percutaneous approach in emergency situation<sup>1,2</sup>
- **2 litre additional** Cardiac Output
- Improves coronary artery and end-organ perfusion<sup>1,2</sup>
- **Non-significant hemolysis**, fHb <10 mol/L<sup>1,2</sup>
- No additional cost for a console; **compatible with a standard IABP console**
- **Easily operated, respecting time**

## CLINICAL INDICATION:

The iVAC2L is intended for use in patients with impaired left ventricular function which require left ventricular mechanical circulatory support for up to 24hr.

The application of the iVAC2L is found to be effective in high risk PCI procedures.<sup>1,2</sup>

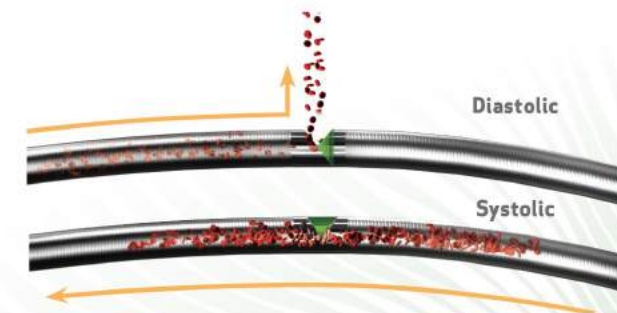
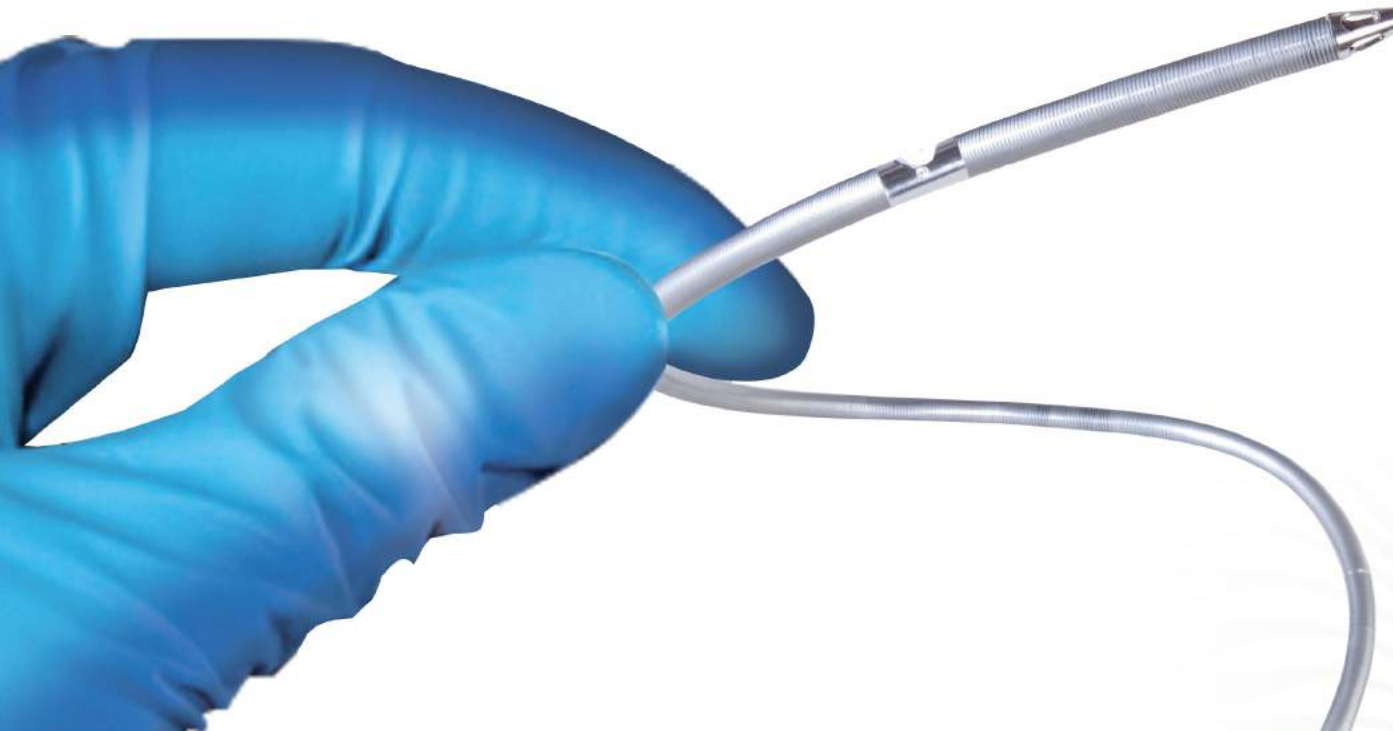
## MECHANISM OF ACTION:

The mechanism of the iVAC2L is a patented 2 way valve integrated in a 17Fr single lumen and bi-directional, 920 mm long catheter. This catheter is connected to an extracorporeal 40cc membrane pump. It is compatible with a standard IABP console and does not require dedicated hardware.

When the heart is in the systolic phase, up to 2 litres blood is aspirated from the ventricle through the tip of the catheter and via the lumen into the membrane pump.

During the diastolic phase the membrane pump (with the IABP console as driver) directs the blood back through the catheter to the ascending aorta by opening the 2 way valve.

The pulsatile synchronization between closing of the aortic valve and the opening of the catheter valve, ensures that the aortic valve function is not impaired, but supported.



1. Application of a Pulsatile Catheter Pump in Left Ventricle Cardiac Assistance for up to 24 hours in high risk PCI Patients; An Interim Clinical Investigation Report; PulseCath October 2014  
2. Evaluation of the PulseCath iVAC2L, a Pulsatile Catheter Pump, in high-risk PCI patients who need cardiac assist - first 14 cases - PulseCath, March 2014

\* Percutaneous Ventricular Assist Device