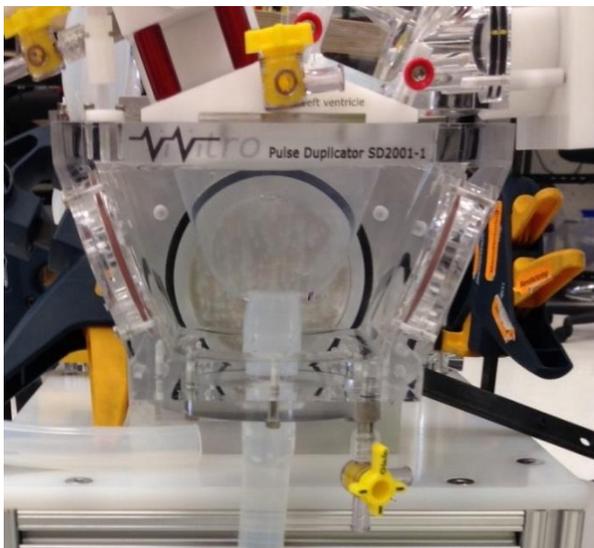


LVAD Testing

Left Ventricular Assist Device Accessory



Ventricular Cannulation



Atrial Cannulation

Overview

The LVAD Accessory expands the capabilities of the ViVitro Pulse Duplicator by enabling testing of LVAD devices under physiological pulsatile flows. Flow conditions generated by the Pulse Duplicator can be modified to simulate a variety of conditions while the LVAD is connected to the system.

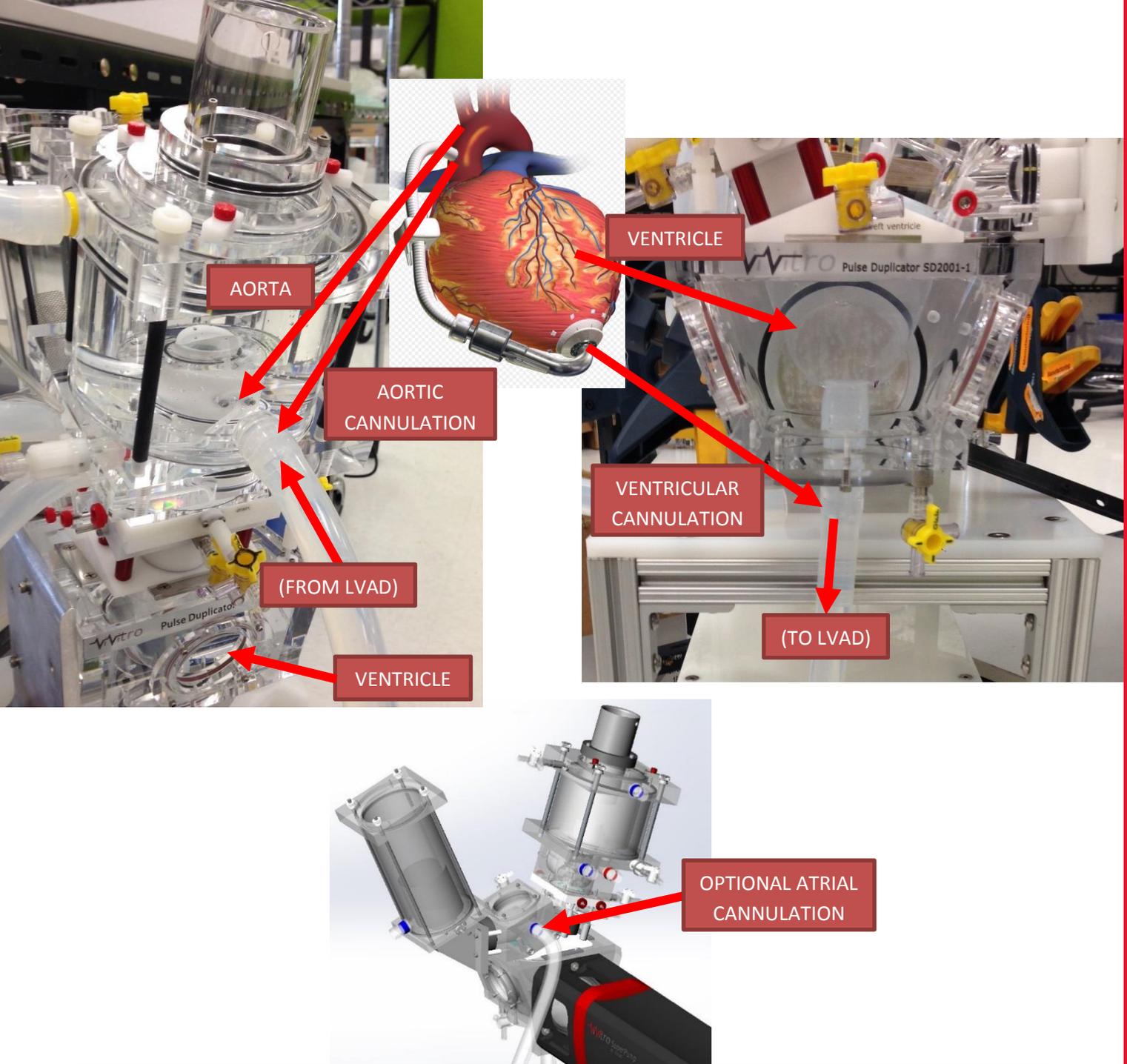
Using the pressure and flow data acquisition capabilities of the Pulse Duplicator, the effects on the cardiac output of the system can be monitored while varying the output of the LVAD. Flow sensors can be mounted at any point in the flow loop.

Features

The accessory package provides the following features:

- Ventricle apex connection - 1/2" barbed fitting
- Aortic chamber (aorta) connection - 1/2" barbed fitting
- Tubing and fittings for connecting to your LVAD

An atrial cannulation option also available.



Specifications

In conjunction with the Pulse Duplicator, the LVAD Accessory can provide the following pulsatile conditions:

- **Flow:** 0-15 LPM
- **Beat Rate:** 3-200 BPM
- **Pressure:** ≤ 300 mmHg
- **Waveforms:** variable systolic duration sine waveforms, linear waveforms, custom physiological waveforms, custom arrhythmia waveforms

Compatibility

The LVAD Accessory is compatible with the ViVITRO Labs Pulse Duplicator system.