

Impella RP Flex™ with SmartAssist®

Right Patient. Right Time. Right Pump.

Right Heart Recovery is Possible

Ease of Access & Delivery

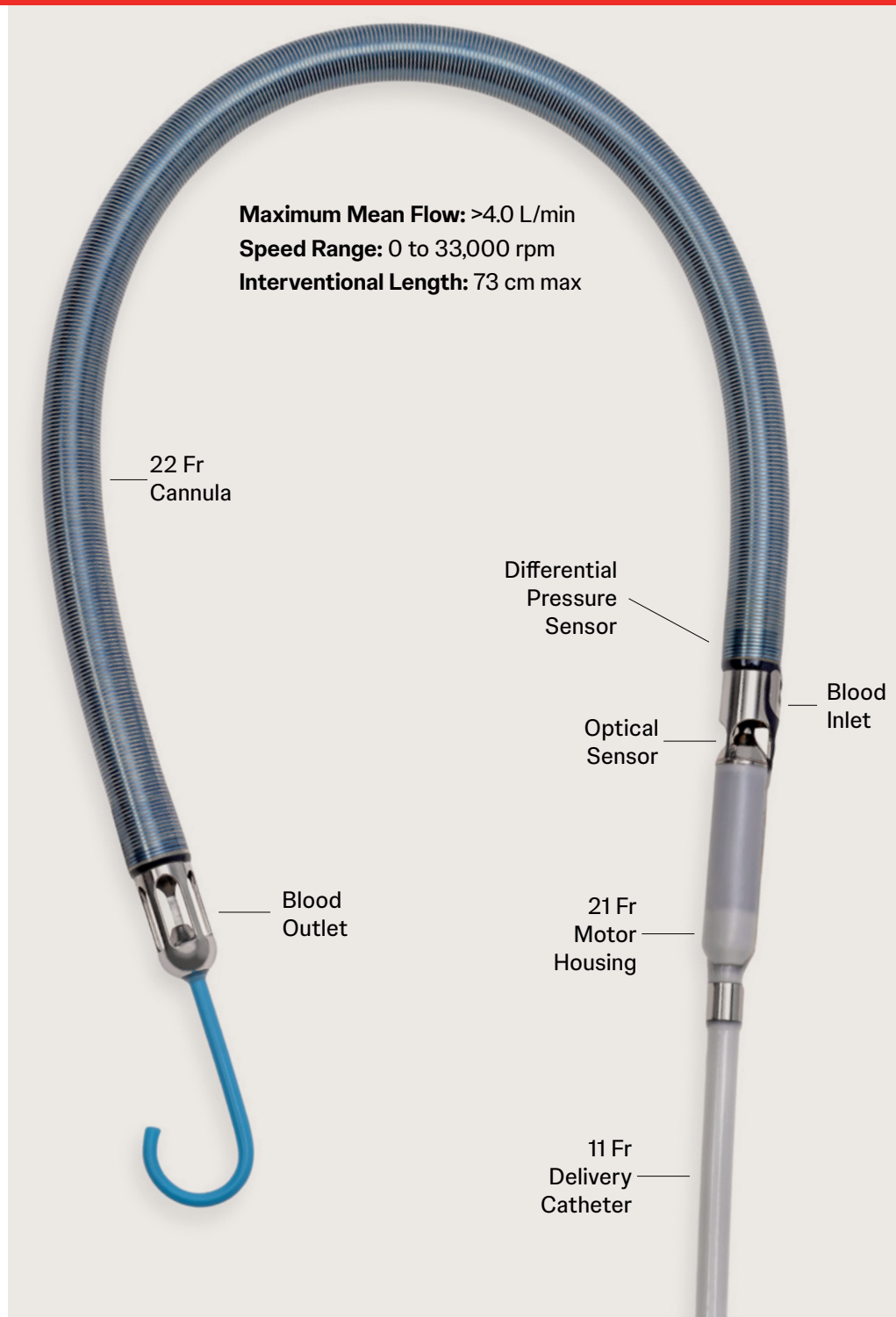
- Flexible cannula for IJ or femoral vein single access
- Designed for smooth insertion and deliverability into the PA
- IJ access enables mobility

Full Right Heart Unloading

- Smallest percutaneous and only intracorporeal right heart MCS device
- Up to 4.0 L/min Flow
- May enable RV recovery with sustained hemodynamic improvement

Abiomed Support

- 24/7 clinical support with local Abiomed Team
- SmartAssist Platform™
- Impella Connect™



For additional information about flow rates see the Instructions For Use manual.

Impella RP Flex™ with SmartAssist®

Specifications

Straight, Flexible Cannula: 22 Fr Polyurethane coated nitinol designed for right-heart anatomy

Pressure Sensor: Measures the pressure difference between the inside and outside of the cannula to monitor flow during pump operation

Optical Sensor: Measures the central venous placement signal during pump operation

Catheter Shaft: Braided catheter for differential sensor, optical sensor, motor cable and purge lumen

Blue Impella Plug:

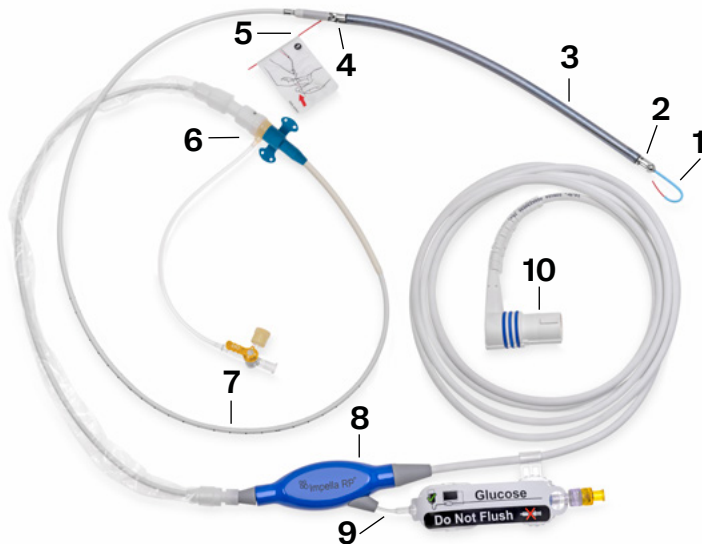
Connections – 1 luer connection for purge fluid, 1 electrical connection to patient cable

Electronics – Differential pressure sensor and optical sensor to measure pressure signal, electronic memory for retention of operating parameters

Repositioning Unit: Graduated shaft from 11 Fr to 15 Fr with yellow graduated anchor ring, anticontamination sleeve, and hemostatic valve for repositioning of the catheter

EasyGlide Lumen: PTFE lumen for lubricity and easy guidewire insertion

Overview



- | | | |
|------------|-----------------------|-------------------|
| 1. Pigtail | 5. EasyGuide Lumen | 9. Sidearm |
| 2. Outlet | 6. Repositioning Unit | 10. Patient cable |
| 3. Cannula | 7. Catheter Shaft | |
| 4. Inlet | 8. Blue Impella Plug | |

Accessories



Impella RP Flex with SmartAssist Heart Pump Kit

- Impella RP Flex with SmartAssist Catheter
- Purge Cassette
- Introducer Kit
- 0.027", 260cm Placement Guidewire
- Impella Sidearm Retainer



Automated Impella Controller

The controller provides an interface for monitoring and controlling the function of all Impella catheters. 10.4" color display for easy viewing. Mounts to Controller Cart (not shown) for transport within hospital. 60 minutes of battery backup power for mobile transport.



Introducer Kit

Vascular access kit used for percutaneous insertion of the Impella catheter.

- 23 Fr x 11cm Peel-away introducer
- 8, 12, 16, 20, 23 Fr Dilators
- 0.035" x 150 cm Guidewire



0.027", 260cm Placement Guidewire

Guidewire with a radiopaque, shapeable tip used for placement of Impella catheter into pulmonary artery via the femoral vein or internal jugular.



Purge Cassette

The purge cassette delivers rinsing fluid to the Impella catheter. The purge fluid flows from the purge cassette through the catheter to the microaxial blood pump to prevent blood from entering the motor.

