



## CentriMag™ and PediVAS™ Blood Pumps

### PRODUCT HIGHLIGHTS

The only acute blood pumps driven by Full MagLev™ Flow Technology for excellent haemocompatibility across the widest range of patient applications.

- Both blood pumps are compatible with the same hardware – no extra equipment required.
- The pumps' rotors are fully magnetically levitated – no bearings or seals for a contact-free blood chamber, leading to minimised blood stagnation, friction and shear stress.<sup>1,2</sup>

	CENTRIMAG™ BLOOD PUMP	PEDIVAS™ BLOOD PUMP
<b>Material, blood-contacting surfaces</b>	Polycarbonate	Polycarbonate
<b>Priming Volume</b>	31 mL	14 mL
<b>Maximum flow rate</b>	9.9 Liters per minute	1.7 Liters per minute
<b>Connectors</b>	3/8" barbed inflow and outflow ports	1/4" barbed inflow and outflow ports
<b>Maximum operating pressure</b>	600 mmHg	540 mmHg

### PRODUCT SPECIFICATIONS

PART NUMBER	DESCRIPTION
<b>201-90010</b>	CentriMag Blood Pump
<b>201-90050</b>	PediVAS Blood Pump



CentriMag™ Blood Pump



PediVAS™ Blood Pump

1. Aziz, T. A., Singh, G., Popjes, E., Stephenson, E., Mulvey, S., Pae, W., & El-Banayosy, A. (2010). Initial experience with CentriMag extracorporeal membrane oxygenation for support of critically ill patients with refractory cardiogenic shock. *The Journal of Heart and Lung Transplantation*, 29(1), 66-71.
2. Bhama, J. K., Kormos, R. L., Toyoda, Y., Teuteberg, J. J., McCurry, K. R., & Siegenthaler, M. P. (2009). Clinical experience using the Levitronix CentriMag system for temporary right ventricular mechanical circulatory support. *The Journal of Heart and Lung Transplantation*, 28(9), 971-976.

#### Abbott

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St. Jude Medical is now Abbott.

**Brief Summary:** Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

**2nd Generation CentriMag™ Acute Circulatory Support System Indications:** The 2nd Generation CentriMag™ Acute Circulatory Support System is intended for use for up to 30 days to support one or both sides of the heart. In addition, the 2nd Generation CentriMag Acute Circulatory Support System is intended for use in an ECMO circuit to provide cardiopulmonary support for up to 30 days when used with other commercially available (CE Marked) components approved for this application.

**PediVAS™ Blood Pump System Indications:** The PediVAS™ Blood Pump System is intended to provide circulatory support in neonates, infants and other paediatric patients. The PediVAS Blood Pump System can provide up to 1.7 L/min of blood flow when used with commercially available neonatal and paediatric cannulae. In addition, the PediVAS Blood Pump System may be used in an ECMO circuit to provide cardiopulmonary support when used with other commercially approved (CE Marked) components for this application. The PediVAS Blood Pump System may be used for up to 30 days of continuous support.

The CentriMag and PediVAS Blood Pump Systems are indicated for use only with the 2nd Generation CentriMag Acute Circulatory Support System and other supplied Thoratec™ hardware.

**CentriMag Acute Circulatory Support System and PediVAS Blood Pump System Contraindications:** The CentriMag Acute Circulatory Support System and PediVAS Blood Pump System are contraindicated for use as a cardiomy suction device. The systems are also contraindicated for patients who are unable or unwilling to be treated with appropriate anticoagulation, such as heparin or comparable medications.

Refer to the User's Manual for detailed indications, contraindications, warnings, precautions and potential adverse events.

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