

PERFORMANCE AND VERSATILITY AT EVERY TURN

CENTRIMAG[™] ACUTE CIRCULATORY SUPPORT SYSTEM

with Full MagLev[™] Flow Technology

The CentriMag[™] Acute Circulatory Support System with Full MagLev[™] flow technology delivers excellent haemocompatibility across the widest range of patient applications.



PediVas[™] Blood Pump

DESIGNED FOR OPTIMAL HAEMOCOMPATIBILITY^{1,2}

Excellent haemodynamics, leading to minimised blood stagnation, friction and shear stress.^{3,4}

5% LOW HAEMOLYSIS¹

2.5% LOW DEVICE-RELATED THROMBOSIS¹

IMPROVED END ORGAN FUNCTION²

Increased potential for full neurological recovery

FULL MAGLEVTM FLOW TECHNOLOGY PROMOTES GENTLE BLOOD HANDLING^{1,2,5}

Free-floating magnetically levitated rotor prevents

surface-to-surface contact that could cause blood trauma.



Wide blood-flow pathways and absence of seals, bearings and valves minimise blood turbulence and stasis.

Automatic rotor positioning control adjusts 50,000 times per second to maintain stable and consistent blood flow.

ADDRESSES THE BROADEST SPECTRUM OF CLINICAL CHALLENGES

Optimal patient care for every application⁶



VERSATILE FLOW RANGE EASILY ADAPTS TO CLINICAL REQUIREMENTS

The CentriMag[™] system is trusted for a wide range of patient types and sizes

PRODUCES FLOWS OF UP TO 9.9 LPM WITH FEWER ROTATIONS PER MINUTE⁵



ADULT AND PAEDIATRIC PUMP OPTIONS AVAILABLE

Paediatric pump incorporates the same haemodynamic Full MagLev[™] flow technology as the adult pump



DESIGNED TO MEET INDIVIDUALISED NEEDS

The CentriMag[™] system ensures freedom of choice

• Fits seamlessly into custom circuit designs to easily adapt to clinician preferences

• Can be used with any approved cannula for central, femoral or peripheral access

CENTRIMAG[™] SYSTEM HARDWARE



System components

- Easy, intuitive interface
- Monitor (optional) can display bilateral support information
- USB port on monitor can export usage data
- Motor can be used in any orientation for flexible placement
- 2-hour battery life; rechargeable Li-ion battery
- Compatible with both adult and paediatric pump options

Accessories

- Motor bracket
- System transporter
- Flow probe options for 3/8-in and 1/4-in tubing
- Pressure transducers
- CentriMag[™] Drainage Cannula
- CentriMag[™] Return Cannula

The CentriMag system is fully transportable via air or ground ambulance using the compact system transporter.



AN UNMATCHED LEGACY OF EXPERIENCE

40,000+ CENTRIMAG PUMPS SOLD SINCE 2006



THE SUBJECT OF THE ONLY MULTICENTRE PROSPECTIVE STUDY TO PROVE THE SAFETY AND EFFICACY OF AN ACUTE BLOOD PUMP¹

150+ PUBLISHED ARTICLES



LOW DEVICE FAILURE RATE, FOR CONSISTENT, TRUSTED PERFORMANCE^{1,3,4,7}

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.

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.

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.

Contraindications for Use: The CentriMag Acute Circulatory Support System and PediVAS Blood Pump System are contraindicated for use as a cardiotomy 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.

CentriMag™ 34F Drainage (Venous) Cannula Kit Indications for Use: The CentriMag Drainage Cannula is indicated for use with the CentriMag Blood Pump. The cannula is indicated for use for up to 30 days.

CentriMag 34F Drainage (Venous) Cannula Kit Contraindications: The CentriMag Drainage Cannula is contraindicated for patients who are unable or unwilling to be treated with heparin. The CentriMag Drainage Cannula is not intended for peripheral cannulation.

CentriMag[™] 24F Return (Arterial) Cannula Kit Indications for Use: The CentriMag Return Cannula is indicated for use only with the CentriMag Blood Pump. The cannula is indicated for use for up to 30 days.

CentriMag 24F Return (Arterial) Cannula Kit Contraindications: The CentriMag Return Cannula is contraindicated for patients who are unable or unwilling to be treated with heparin. The CentriMag Return Cannula is not intended for peripheral cannulation.

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- 3. 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.
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- 6. Borisenko, O., Wylie, G., Payne, J., Bjessmo, S., Smith, J., Yonan, N., & Firmin, R. (2014). Thoratec CentriMag for temporary treatment of refractory cardiogenic shock or severe cardiopulmonary insufficiency: a systematic literature review and meta-analysis of observational studies. *American Society for Artificial Internal Organs Journal*, 60, 487-497.
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