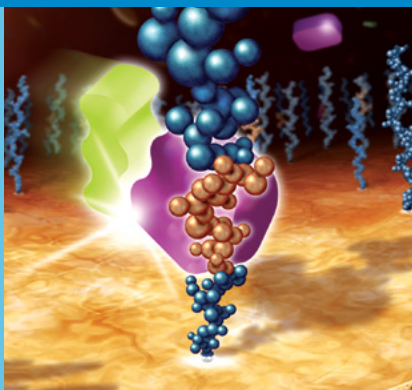




Affinity™ CP
Centrifugal Blood Pump with
Cortiva™ BioActive Surface

PROTECT THE CIRCUIT, **PROTECT** **THE PATIENT**¹⁻⁴

with Cortiva BioActive Surface



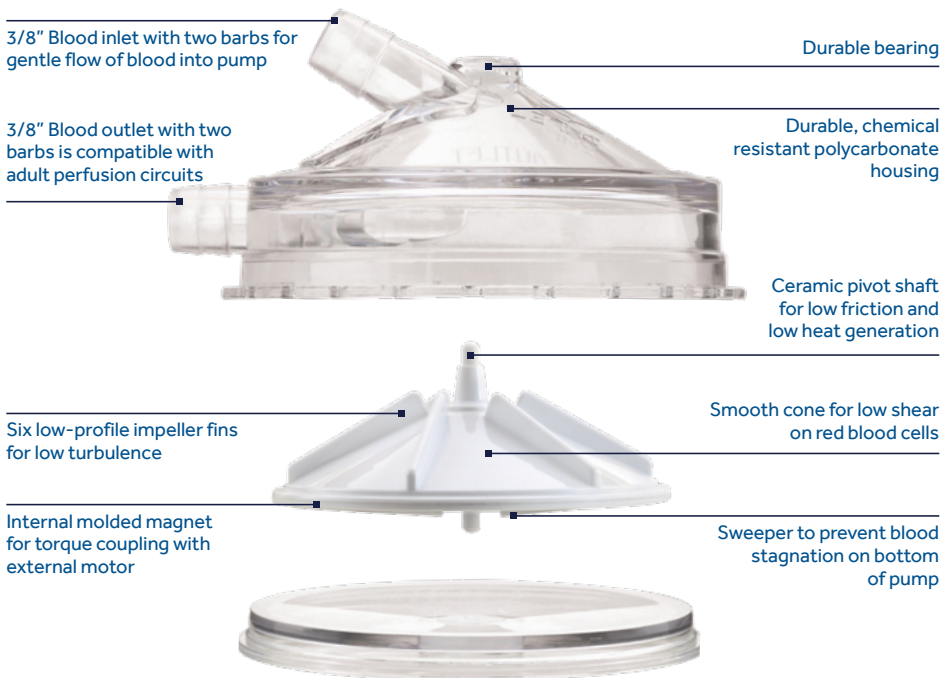
Medtronic
Further. Together

LOW PRIME, GENTLE BLOOD HANDLING

The Affinity™ CP pump is a low-prime centrifugal pump that gently handles blood, resulting in low hemolysis. The smooth cone and six low-profile fins, gently move blood resulting in low hemolysis.⁵

Features:

- Low Prime
- Gentle Blood Handling
- Low Heat Generation
- No Areas of Stagnation
- Low Hemolysis



Warning: A strict anticoagulation protocol should be followed and anticoagulation should be routinely monitored during all procedures. The benefits of extracorporeal support must be weighed against the risk of systemic anticoagulation and must be assessed by the prescribing physician.

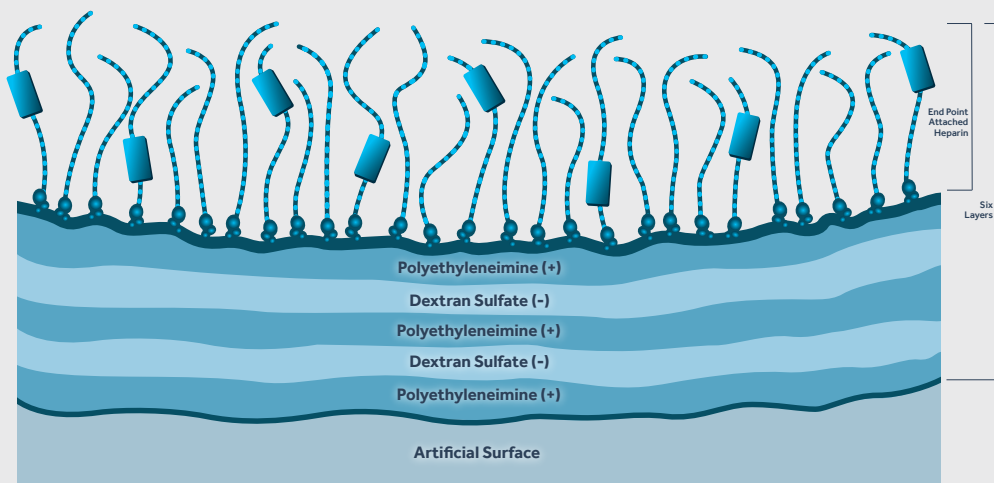


Protect the circuit, protect the patient. Cortiva's durable, non-leaching end point attached heparin surface enhances blood compatibility and thromboresistance.¹

Protect your patients with a product backed by the largest body of peer-reviewed clinical and scientific evidence of any CPB circuit biocompatible surface.

Features:

- Reduce DEHP leaching
- Reduce neurological outcomes related to CPB
- Lower costs, as related to improved clinical outcomes
- Less blood product use
- Shorter ventilator time; Shorter hospital length of stay
- Less negative impact on the body's defense systems
- Reduced impact on the blood's formed elements



Hemocompatible coatings used in the CPB circuit, like Cortiva BioActive surface, have been shown to reduce contact activation, thrombogenicity, and the inflammatory responses.⁶

Affinity CP

Model #	Product Description
CBAP40	Affinity CP Centrifugal Blood Pump with Cortiva BioActive Surface*
560A	External Drive Motor
HC150A	Emergency Handcrank
AP40ST	Affinity CP Adapter



www.perfusion.medtronic.com

Indications for Use: The Affinity™ CP Centrifugal Blood Pump is used to pump blood through the extracorporeal bypass circuit for extracorporeal circulatory support for periods appropriate to cardiopulmonary bypass (up to six hours). It is also indicated for use in extracorporeal support systems (for periods up to 6 hours) not requiring complete cardiopulmonary bypass (e.g., valvuloplasty, circulatory support during mitral valve reoperation, surgery of the vena cava or aorta, liver transplants). The Affinity™ CP Centrifugal Blood Pump is driven by the External Drive Motor or the Emergency Handcrank.

Contraindications: The Affinity™ CP Centrifugal Blood Pump is contraindicated for use as a cardiotomy suction device. This device, used for any other purposes than the intended use, is the responsibility of the user.

Affinity CP Specifications

Priming Volume	40 mL
Inlet/Outlet ID	9.5 mm (3/8 in)
Maximum operating pressure	760 mmHg (101 kPa)
Maximum flow rate	10 L/min
Maximum pump speed	4000 RPM
Compatible consoles	Medtronic Bio-Console® and Performer CPB® ^{††} /AP40ST Adapter

Storage Environment

Storage temperature	-30°C to 57°C (-22°F to 135°F)
Storage humidity	20% to 85% non-condensing

References

- ¹ Kreisler KR, Vance RA, Cruzavala J, Mahnken JD. Heparin-bonded cardiopulmonary bypass circuits reduce the rate of red blood cell transfusion during elective coronary artery bypass surgery. *J Cardiothorac Vasc Anesth*. October 2005;19(5):608-611.
- ² Olsson C, Siegbahn A, Henze A, et al. Heparin-coated cardiopulmonary bypass circuits reduce circulating complement factors and interleukin-6 in pediatric heart surgery. *Scand Cardiovasc J*. 2000;34(1):33-40.
- ³ Svenmarker S, Haggmark S, Jansson E, et al. Use of heparin-bonded circuits in cardiopulmonary bypass improves clinical outcome. *Scand Cardiovasc J*. August 2002;36(4):241-246.
- ⁴ Heyer EJ, Lee KS, Manspeizer HE, et al. Heparin-bonded cardiopulmonary bypass circuits reduce cognitive dysfunction. *J Cardiothorac Vasc Anesth*. February 2002;16(1):37-42.
- ⁵ Medtronic data on file.
- ⁶ Hussaini BE, Treanor PR, Healey NA, et al. Evaluation of blood components exposed to coated arterial filters in extracorporeal circuits. *Perfusion*. September 2009;24(5):317-323.

Medtronic

710 Medtronic Parkway
Minneapolis, MN 55432-5604
USA
Tel: (763) 514-4000
Fax: (763) 514-4879
Toll-free: (800) 328-2518

LifeLine
CardioVascular Technical Support
Tel: (877) 526-7890
Tel: (763) 526-7890
Fax: (763) 526-7888
rs.cstechsupport@medtronic.com

©2017 Medtronic.
All rights reserved.
Medtronic, Medtronic logo and Further, Together are trademarks of Medtronic.
All other brands are trademarks of a Medtronic company.

UC201803974 EN
10/2017

medtronic.com