NOT ALL RAPID INFUSERS ARE CREATED EQUAL

Level 1[®] Fast Flow Fluid Warmer

Aluminum Heat Exchanger

Studies have shown many blood and fluid warmers leach unsafe levels of aluminum into infusates, which has led to the US FDA and global regulatory bodies issuing safety notices and recalls of affected warmers. 1.2,3,4

Class I Recalls:

- Level 1° Fast Flow Fluid Warmer and NORMOFLO° Irrigation Warming System (August 2021)
- ThermaCor® 1200 (March 2021)

FDA Notice Excerpts:5

- "Be aware that exposure to high levels of aluminum may result in adverse clinical effects..."
- "Avoid using the identified fluid warmers when treating at-risk populations: patients with poor renal function, neonates, infants, pregnant mothers, and elderly patients."
- "If available, use alternative therapies to maintain patient temperature, such as an alternative fluid warmer which uses a different design..."

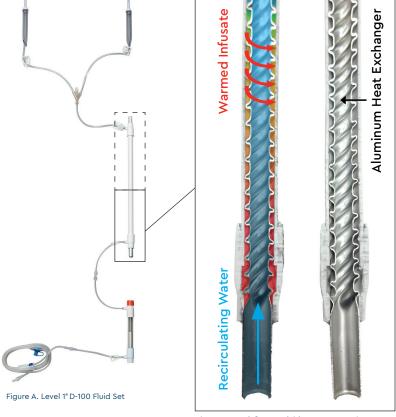


Figure B. Level 1* D-100 Fluid Set Cross Section

The Belmont® Rapid Infuser RI-2

Stainless Steel Heat Exchanger

The Belmont Rapid Infuser RI-2 is the **ONLY** rapid infuser to offer a **100% aluminum-free** fluid path along with high-flow performance* and comprehensive safety featured designed to reduce transfusion related complications.

Why worry when you don't have to?

 Sixteen medical grade stainless steel rings within the fluid path combine with dry, electromagnetic induction to precisely deliver warmed fluids with zero aluminum exposure.





2 Perl, T., Kunze-Szikszay, N., Bräuer, A. et al. Aluminium release and fluid warming: provocational setting and devices at risk. BMC Anesthesiol 21, 163 (2021). https://doi.org/10.1186/s12871-021-01378-7 - https://bmcanesthesiol.biomedcentral.com/articles/10.1186/s12871-021-01378-7

3 Perl, T., Kunze-Szikszay, N., Bräuer, A., Quintel, M., Röhrig, A.L., Kerpen, K. and Telgheder, U. (2019), Aluminium release by coated and uncoated fluid-warming devices. Anaesthesia, 74: 708–713. https://doi.org/10.1111/anae.14601 https://associationofanaesthetists-publications.onlinelibrary.wiley.com/doi/10.1111/anae.14601

4 Pike H. enFlow fluid warming device: warning over risk of aluminum toxicity BMJ 2019; 364:11126 doi:10.1136/bmj.l1126 – https://www.bmj.com/content/364/bmj.l1126

5 Center for Devices and Radiological Health. "Potential Risk of Aluminum Leaching with Use of Certain Fluid Warmer Devices – Letter to Health Care Providers." U.S. Food and Drug Administration, FDA



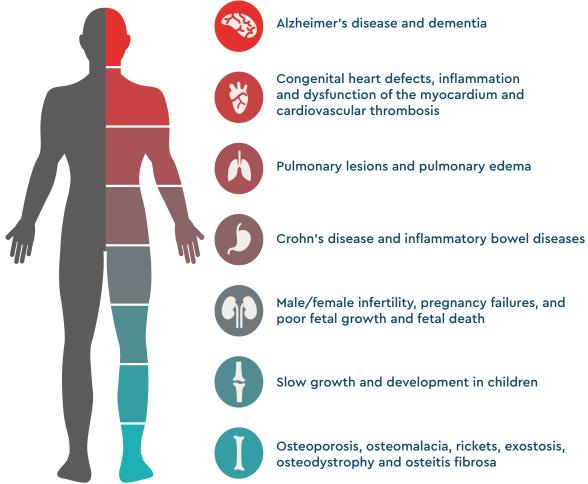
Figure C. 3-Spike Heat Exchanger



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POTENTIAL HEALTH EFFECTS OF

TOXIC ALUMINUM EXPOSURE⁶



6 Igbokwe IO, Igwenagu E, Igbokwe NA. Aluminium toxicosis: a review of toxic actions and effects. Interdiscip Toxicol. 2019;12(2):45–70. doi:10.2478/intox-2019-0007 - https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7071840/

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 J. A. Cabrera, L. K. Borton, G. Barrett, Anaesthesia, February 2020
- Aluminium release and fluid warming: provocational setting and devices at risk
 T. Perl, N. Kunze-Szikszay, A. Bräuer, BMC Anesthesiol, May 2021
- Aluminium release by coated and uncoated fluid-warming devices
 T. Perl, N. Kunze-Szikszay, A. Bräuer, M. Quintel, A. L. Röhrig, K. Kerpen, U. Telgheder, Anaesthesia, June 2019
- enFlow fluid warming device: warning over risk of aluminum toxicity
 H. Pike, BMJ, March 2019

Ready to make a switch to Belmont?

We are committed to supporting your transition. Our dedicated field clinical specialists are standing by to train your "super users" and key staff across departments during initial in-servicing—and we don't stop there. We offer ongoing educational support throughout the continuum of use, as needed.

SAVING LIVES. TOGETHER.

Email sales@belmontmedtech.com for more information or to set up a product demonstration, or give us a call at +1 978-663-0212



