

ParaCor Heat Exchanger



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PARACOR
HEAT EXCHANGER

The ParaCor is a new and improved high performance, low prime, polyester heat exchanger intended for precise blood and crystalloid cardioplegia delivery.

The simple and effective fluid dynamics provides a low pressure drop gradient at high flows.

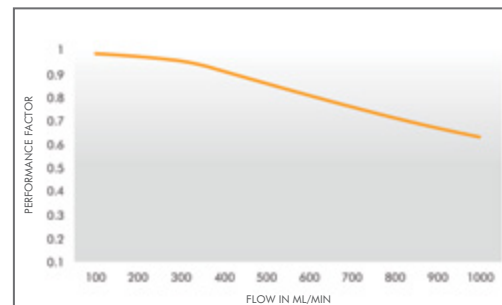
It also allows for extremely efficient heat transfer, facilitated by a counter current blood to water flow direction proven to maximise heat transfer efficiency in reduced spaces^{1,2}.

Safety Features include:

- A fully transparent design to allow complete visibility throughout setup and use.
- A 105 μ filter located on the outlet to filter out solution particulates.
- Silicone O'Rings and U.V adhesive bonds for increased safety.
- 100% testing regime for every unit to ensure consistency and integrity.



Maximum Blood Flow	1000 ml/min
Priming Volume	28 ml
Surface Area	0.05 m ²
Blood Inlet / Outlet	3/16"
Filter	105 μ
Water Phase Pressure Limit	40 psi
Heat Exchanger Efficiency	0.91 @ 400 ml/min*
Heat Exchanger Material	Hexpet® Polyester



1) Gravlee, G.P., Davis, R.F., Stammers, A.H. and Ungerleider, R.M. (2008) 'Principles of Oxygenator Function: Gas Exchange, Heat Transfer, and Operation', in *Cardiopulmonary Bypass: Principles and Practice*. USA: Wolters Kluwer, p. 57

2) Zohuri, B. (2007) 'Flow Arrangement and Passage in Compact Heat Exchangers', in *Compact Heat Exchangers: Selection, Application, Design and Evaluation*. Switzerland: Springer International, p. 73.

*Test conducted under BS EN ISO: 7199:2014 guidelines.