



Paragon® Oxygenator

 **chalice**
operate your way



All Paragon Oxygenators must pass 25 separate checks in production before it is made available for clinical use.



The Paragon employs double safety seals of silicone O rings and UV adhesive to create a safe and secure closure.

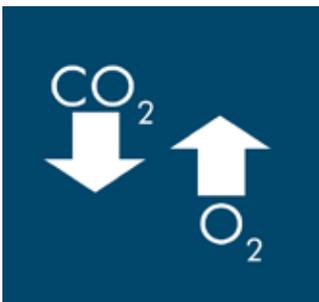


A Batch Lot number and unique Serial number is given to each device to ensure complete traceability.



Heat exchanger bundle is made from robust Polyester fibres - highly resistant to Hydrogen Peroxide cleaning agent.

Paragon® is the only Extracorporeal Membrane Oxygenator to be manufactured in the UK



Each unit offers an optimised balance of low priming volume, high O₂ transfer and CO₂ removal capabilities.



Paragon Oxygenators are available as separate units or in a fully Pre-connected tubing pack.



Increased Visibility during setup and use is achieved through separate heat exchanger and gas exchanger bundles.



Holders are available to securely hold each device during set up and throughout use.

The Paragon® Oxygenators are available in three different models:



The **standard Paragon** oxygenator has a Polypropylene Micro Porous Fibre Gas Exchanger and is available either as a separate stand-alone product, or as an integrated unit when used in conjunction with the Paragon Venous & Cardiotomy reservoir - making a complete and dependable system. The Standard Paragon has an intended use of up to 6 hours.



The **Paragon MicroNet** is identical to the standard Paragon with the exception of a highly efficient filter membrane incorporated into the Polypropylene gas exchanger. The MicroNet filter has a composition allowing a 40% open area. This popular model can contribute to reduced circuit priming volumes and costs as some end users choose to remove their traditional arterial filter and rely on the highly efficient internal filter of the oxygenator. The Paragon MicroNet has an intended use of up to 6 hours.



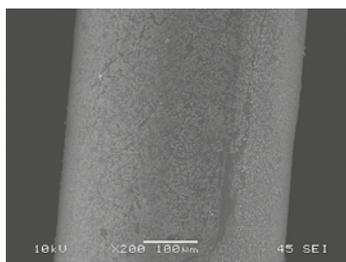
The **Paragon PMP** is a stand-alone unit that is specifically designed for long-term applications such as ECMO/ECLS. Possessing all the benefits and features as the standard Paragon, but with the exception of a Polymethylpentene Plasma Tight Fibre Gas Exchanger, an essential requirement to allow extended use. The Paragon PMP has an intended use of up to 24 hours.

Coated as standard.

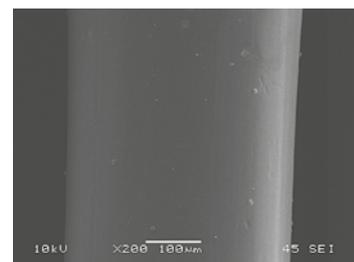
Every Unit is coated as standard with our proprietary surface coating



Rheopak's proprietary formulation contains a synthetic albumin, which improves the biocompatibility of the support circuit by significantly reducing platelet aggregation and adhesion to oxygenator fibres, and has been shown to maintain a presence for up to 24 hours of continuous circulation with almost no wash off during the initial stages of support.



Non-coated Oxygenator fibre after 6 hours exposure to whole human blood in vitro.



Coated Oxygenator fibre after 6 hours exposure to whole human blood in vitro.



Paragon Adult Maxi

	PMP	PP	MN
Blood Flow Rate:	1 - 8 lpm	1 - 8 lpm	1 - 8 lpm
Static Priming Volume:	300 ml	300 ml	300 ml
Heat Exchanger Surface Area:	0.38 m ²	0.38 m ²	0.38 m ²
Gas Exchanger Surface Area:	2.47 m ²	2.07 m ²	2.07 m ²
40μ Integrated filter Surface Area:	N/A	N/A	230 cm ²
Blood Inlet/outlet:	3/8" Barbed		
Gas Inlet :	1/4"		
Water Inlet/Outlet:	3/8" Hansen		

Product Code:	Stand Alone	Integrated
	XCMOP305PMP	-
	XCMOP300MN	XCMOPI300MN
	XCMOP300PP	XCMOPI300PP



Paragon Adult Midi

	PMP	PP	MN
Blood Flow Rate:	1 - 7 lpm	1 - 7 lpm	1 - 7 lpm
Static Priming Volume:	260 ml	260 ml	260 ml
Heat Exchanger Surface Area:	0.38 m ²	0.38 m ²	0.38 m ²
Gas Exchanger Surface Area:	1.89 m ²	1.54 m ²	1.54 m ²
40μ Integrated filter Surface Area:	N/A	N/A	230 cm ²
Blood Inlet/outlet:	3/8" Barbed		
Gas Inlet :	1/4"		
Water Inlet/Outlet:	3/8" Hansen		

Product Code:	Stand Alone	Integrated
	XCMOP265PMP	-
	XCMOP260MN	XCMOPI260MN
	XCMOP260PP	XCMOPI260PP



Paragon Paediatric

	PMP	PP	MN
Blood Flow Rate:	0.5 - 4 lpm	0.5 - 4 lpm	0.5 - 4 lpm
Static Priming Volume:	175 ml	175 ml	175 ml
Heat Exchanger Surface Area:	0.22 m ²	0.22 m ²	0.22 m ²
Gas Exchanger Surface Area:	1.24 m ²	1.06 m ²	1.06 m ²
40μ Integrated filter Surface Area:	N/A	N/A	230 cm ²
Blood Inlet/outlet:	3/8" Barbed		
Gas Inlet :	1/4"		
Water Inlet/Outlet:	3/8" Hansen		

Product Code:	Stand Alone	Integrated
	XCMOP165PMP	-
	XCMOP160MN	XCMOPI160MN
	XCMOP160PP	XCMOPI160PP



Paragon Infant

	PMP	PP	MN
Blood Flow Rate:	0.5 - 3 lpm	0.5 - 3 lpm	0.5 - 3 lpm
Static Priming Volume:	150 ml	150 ml	150 ml
Heat Exchanger Surface Area:	0.20 m ²	0.20 m ²	0.20 m ²
Gas Exchanger Surface Area:	0.86 m ²	0.66 m ²	0.66 m ²
40 μ Integrated filter Surface Area:	N/A	N/A	175 cm ²
Blood Inlet/outlet:	1/4" Barbed		
Gas Inlet :	1/4"		
Water Inlet/Outlet:	3/8" Hansen		

Product Code:	Stand Alone	Integrated
	XCMOP145PMP	-
	XCMOP140MN	XCMOPI140MN
	XCMOP140PP	XCMOPI140PP



Paragon Neonatal

	PMP	PP	MN
Blood Flow Rate:	0.2 - 1.4 lpm	0.2 - 1.4 lpm	0.2 - 1.4 lpm
Static Priming Volume:	65 ml	65 ml	65 ml
Heat Exchanger Surface Area:	0.13 m ²	0.13 m ²	0.13 m ²
Gas Exchanger Surface Area:	0.46 m ²	0.45 m ²	0.45 m ²
Blood Inlet/outlet:	3/16" Barbed		
Gas Inlet :	1/4"		
Water Inlet/Outlet:	3/8" Hansen		

Product Code:	Stand Alone
	XCMOP43PMP
	XCMOP43MN
	XCMOP43PP

Holders

Stand Alone



Holder shown in image is CMH049

Holder shown in image is CMH047

Product Code

CMH047 - Adult Maxi - Infant

CMH049 - Neonatal

Integrated



Holder shown in image is CMH012

Product Code

CMH012 - Maxi/Midi Integrated

CMH025 - Paediatric Intergrated

CMH042 - Infant Integrated

The Paragon Venous & Cardiotomy Reservoirs are a perfect partner to the standard and MircoNet Paragon Oxygenators.



4000ML

CMRVC4000



2500ML

CMRVC2500



1800ML

CMRVC1800

Features and Benefits

- Organised and uncluttered port access
- 360° rotatable venous inlet
- +/- dual purpose pressure relief valve
- removable sample manifold
- highly visible and clear level indicators
- integrated defoamer and 38 μ filter.



Chalice Medical Ltd

Manton Wood Enterprise Park,
Worksop, Nottinghamshire,
S80 2RS, United Kingdom

+ 44 (0)1909 470 777
enquiries@chalicemedical.com
www.chalicemedical.com

NOTE: These products are not available in the USA