

**Designed for Performance
and Endurance.**



CMO8 Oxygenator with Tubing Pack

A new system for use during ECLS procedures

Introducing the CMO8, incorporating PMP long term membrane for use during Extracorporeal Life Support.



An oxygenator meticulously designed and developed, harnessing years of experience and dedication to life extending technologies.

The CMO8 captures the embodiment of safety while expertly blending together performance characteristics making the CMO8 an excellent choice for your ECLS patients.



The CMO8 system is intended for use during Extracorporeal Life Support procedures.

Product Code: CME40009	PMP
Intended Use Time (up to):	6 Hours
Blood Flow Rate:	1 - 7 lpm
Static Priming Volume:	300 ml
Heat Exchanger Surface Area:	0.27 m ²
Gas Exchanger Surface Area:	2.47 m ²
Blood Inlet/outlet:	3/8" Barbed
Gas Inlet :	1/4"
Water Inlet/Outlet:	3/8" Hansen

Technical Specifications



Air Handling Capabilites

The CMO8 has been developed with an innovative flow path to enhance air handling capabilites and maximize gas exchange- the first of its kind, the CMO8 has a visible layer of heat exchange fiber (HEXPET) allowing for flow to be directed inwards, forcing air to be directed towards a bubble trap located at the top of the gas exchanger.

Membrane Surface Area

The blood outlet port has been strategically placed to maximize the membrane contact surface area, which leads to optimised gas transfer efficiency and excellent air handling properties.

Through extensive computerized fluid dynamic research we have been able to optimize the air handling of the CMO8.



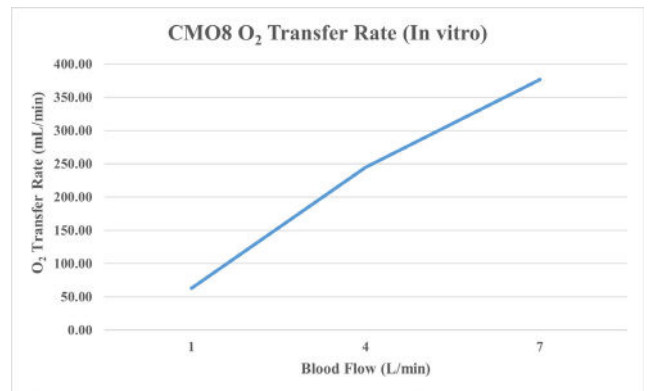
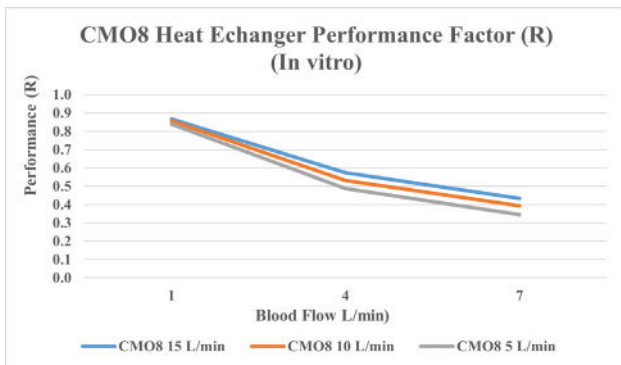
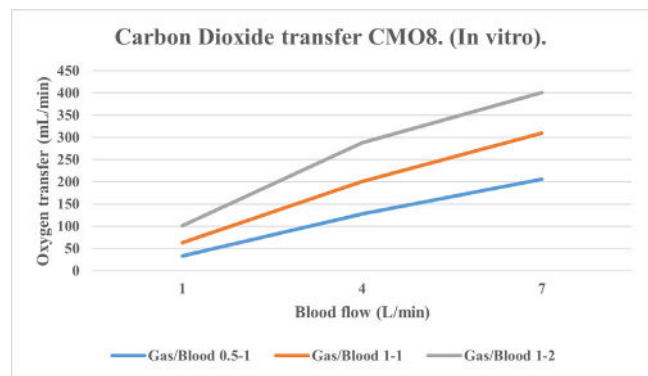
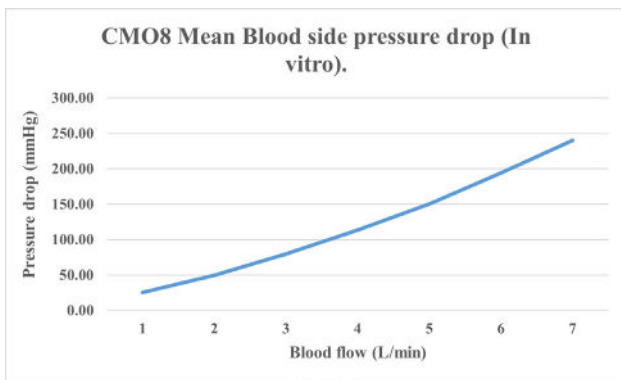
Coated as standard.

Every CMO8 oxygenator is coated as standard with our proprietary surface coating.

RHEOPAK is a non animal derived, human synthetic albumin formulation.

The coating itself does not contain heparin, has been used in tens of thousands of Oxygenators and has been used by Chalice Medical for almost a decade.

Performance Data



Important safety information

Brief summary - Prior to using these devices, please review the Instructions for use for a complete listing of indications, contraindications, warnings and precautions, potential adverse events and directions for use.

CMO8 Oxygenator indications (clearance 6 hours use): CMO8 Oxygenator PMP is intended for use in adult surgical procedures requiring extracorporeal gas exchange support and blood temperature control for periods of up to 6 hours. The CMO8 Oxygenator is intended to be used in an extracorporeal perfusion circuit to oxygenate and remove carbon dioxide from the blood during routine cardiopulmonary bypass procedures up to 6 hours in duration. Contact with blood for a longer period of time is inadvisable.

CMO8 Oxygenator: This device used for any other purposes than for the indicated intended use is the responsibility of the user.

CMO8 System Contents



- CMO8 Oxygenator
- 1000m/L Venous Reservoir Bag / prime bag
- AV Loop Tray
- Gas Filter Line
- Quick Connects couplings

The CMO8 system has been designed to allow for speed of set up during emergency use.

The quick connect couplings ensure ease of prime and a seamless transition from the pre-connected priming bag.



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



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

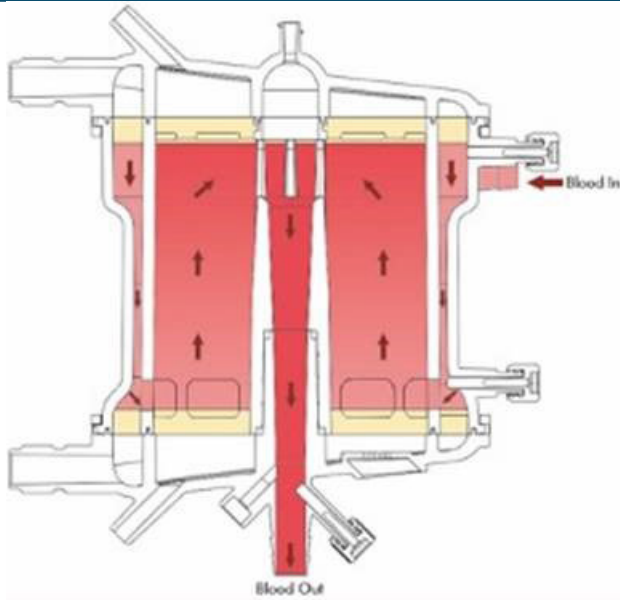


A Batch Lot number and unique Serial number is given to each device to ensure complete traceability.



The CMO8 employs double safety seals of silicone O rings and UV adhesive to create a safe and secure closure.

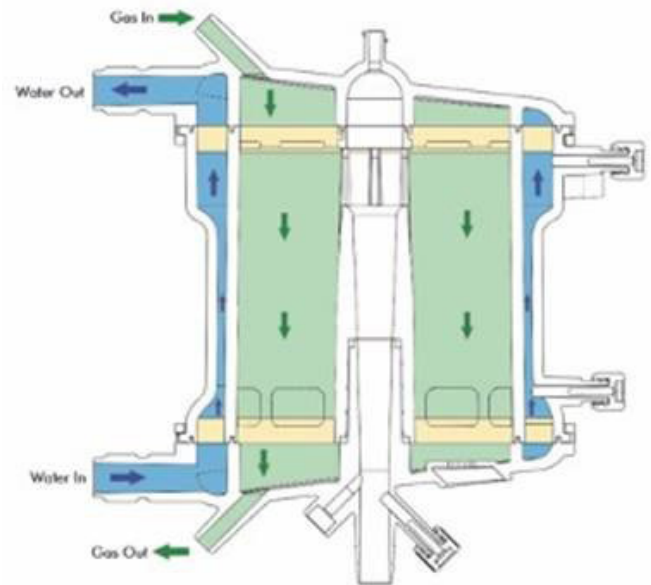
Flow paths



The blood flow path includes two sections where the blood reverses direction and contains two bubble trap areas, so that air removal and enhanced safety are features of the device. The outlet is at the base of the device to again improve safety and air handling.

The gas flow path is in the opposite direction to the blood flow path, to enhance gas transfer by the counter-current multiplier principle. The gas flow path is also vertically down to enhance condensation removal.

The water flow path is also counter current to the blood flow, to again improve the mass transfer characteristics and give better performance from a low surface area. A jacket on the outside also insulates the heat exchanger.



CMO8 Holder



Utilizing state of the art 3D printing technology we have developed a highly innovative oxygenator holder, this ensures perfect product placement everytime.

The CMO8 has been designed to sit at a 5 degree angle which optimizes the air handling capabilities

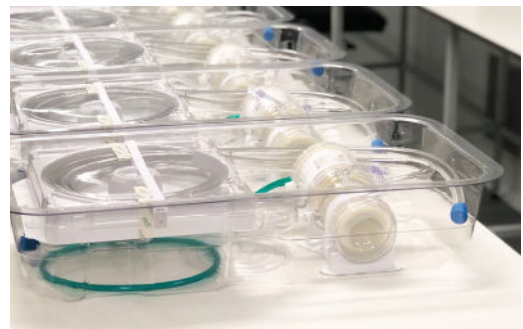




Chalice formed in 1998 with the single mission to create medical devices dedicated to the cardiac and perfusion sectors. Our first oxygenator “The Paragon” was launched in 2011 and has grown to include patient demographics from adult to neonatal.

Today we produce tens of thousands of units per year which are shipped to over 30 countries worldwide.

All of our products are produced in our manufacturing facility based in the heart of the United Kingdom, Nottinghamshire. We are proud to present the CMO8 Oxygenator, the first of many Chalice Medical products to the US market.





Chalice Medical Ltd

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

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