

## Haemoconcentrators



**Haemoconcentrators are an essential component to control haemodilution and haematocrit levels during extra-corporeal bypass surgery.**

The pre-rinsed haemoconcentrators that Chalice supply, accommodate an extensive range of patient sizes for applications such as Conventional and Modified Ultrafiltration or Zero Balance Haemofiltration. Each unit offers a combination of low prime volume with a highly efficient sieving coefficient, provided by the award winning Purema® PES\* high flux fibre at its core.

# Haemoconcentrators

Haemoconcentrators are a cost-effective device for fluid management. By retaining important attributes in a patient's own blood while simultaneously removing excess plasma water, osmotic pressure and haemoglobin levels can be maintained, therefore reducing the potential for allogeneic blood transfusions.



Pre-connected Set Codes:	CM9181 / CME90019	CM1911 / CME90023	CM9120/ CME90022
Intended Use	Paediatric	Adult/ Paediatric	
Membrane Area/ Filtering Surface (m2)	0.3	0.7	1.2
Priming blood volume (mL)	28	73	119
Average ultrafiltration rate (ml/h/mmHg)	14	32	55
Fiber internal diameter (μm)	200		
Fiber external diameter (μm)	260		
Fiber Wall thickness (μm)	30		
Number of fibers	3,600	9,300	
Fiber length (mm)	140		225
Max transmembrane pressure (mmHg)	500		
Max Blood Flow (mL/min)	150	300	400
Minimum Blood Flow (mL/min)	50	100	100
Albumin sieving coefficient (%)	0.6		
Volume of the blood compartment (mL)	28	73	119
Cartridge/ filter housing inner diameter (mm)	24	38	32

Available as complete bespoke tubing packs, where user specified blood and waste lines are supplied pre-connected to aid setup.



\*PUREMA® membranes are produced by 3M in a SIPS process from Polyethersulfone (PES) with Polyvinylpyrrolidone (PVP) added for ideal balance between wettability and biocompatibility. PUREMA® is a registered trademark of 3M.



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