

Haemoconcentrators



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 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 Sets Code:	CM9118	CM1911	CM9119	CM9120	CM9121
Surface Area (m ²)	0.3	0.7	0.9	1.2	1.5
Priming Volume (ml)	21	49	57	75	87
UF Coefficient (ml/h/mmHg)	14	32	41	55	63
Int Fibre Diameter (micron)	200	200	200	200	200
Fibre Wall (micron)	30	30	30	30	30
Number of Fibres (~)	3,600	9,300	11,000	9,300	11,000
Fibre Length (mm)	140	140	140	225	225
Maximum Trans Pre (mmHg)	600	600	600	600	600
Maximum Flow (ml/min)	150	300	500	500	500
Sieving / Clearance (ml/min) Specification & Performance	Qb = 100 Qd = 300 Qf = 0	Qb = 200 Qd = 500 Qf = 0	Qb = 200 Qd = 500 Qf = 0	Qb = 200 Qd = 500 Qf = 10	Qb = 200 Qd = 500 Qf = 10
Urea (ml/min)	84	168	190	192	193
Creatinine (ml/min)	73	143	177	184	191
Phosphate (ml/min)	62	134	162	172	182
Vit B12 (ml/min)	39	86	113	133	153

Available as separate sterile units or 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.

