

14L

17L

21L

Polyflux™ L

– The best low-flux outcome to date

The power of Polyflux for low-flux therapies

Polyflux L dialyzers bring you one step closer to excellence in dialysis therapies. Featuring the Polyamix™ membrane, this exclusive 3-layered, blended polymer fiber provides excellence in clearance stability and compatibility.

Exclusive to Gambro, Polyamix features technical innovations that exceed all expectations. At the heart of the membrane are microdomains that limit specific cellular and protein interaction. By limiting this interaction, less complement activation occurs, microinflammation is minimized, and thrombogenic risks are limited.

Enhanced new design of Polyflux L

Advanced fiber distribution and geometry

- Micro-undulated fibers for improved dialysate distribution and high KoA values
- Precision on the nano-scale with complete control over fiber geometry

Enhanced header design

- Thorough distribution of blood to all fibers and no stagnating areas reducing clotting potential

Reduced Priming Solution Volume

Quick and simple to use

- Steam sterilized, eliminating EtO reactions and easing the priming procedures
- Excellent deaeration during priming, reducing clotting and maintaining the high diffusive mass transfer
- Improved rinseback



**PERFORMANCES
IN VITRO**

Measured according to EN 1283

Polyflux™ L

– Optimizing Treatment Delivery

Clearances in vitro
(mL/min) ± 10%:

Hemodialysis

Q_D=500 mL/min, UF=0 mL/min

Q_B (mL/min)

	Polyflux 14L				Polyflux 17L				Polyflux 21L			
	200	300	400	500	200	300	400	500	200	300	400	500
Urea	190	252	293	-	194	264	310	342	-	275	328	364
Creatinine	171	214	241	-	179	230	262	284	-	246	283	310
Phosphate	152	183	203	-	163	200	224	240	-	218	247	267
Vitamin B ₁₂	90	100	106	-	101	114	122	128	-	131	142	149

Hemodialysis

Q_D=700 mL/min, UF=0 mL/min

Q_B (mL/min)

	200	300	400	500	200	300	400	500	200	300	400	500
Urea	194	267	319	-	197	276	336	380	-	285	353	403
Creatinine	178	229	264	-	185	244	284	313	-	258	306	341
Phosphate	160	197	221	-	170	213	242	264	-	231	266	292
Vitamin B ₁₂	96	107	114	-	107	121	130	137	-	138	150	159

KoA for Urea

	Polyflux 14L	Polyflux 17L	Polyflux 21L
KoA for Urea	850	1027	1265
UF-coefficient* (mL/h. mmHg) +/-20%	10.0	12.5	15.0
Priming volume (mL)	81	104	123
Fluid volume for priming (mL)	≥ 500	≥ 500	≥ 500
Residual blood volume (mL)	< 1	< 1	< 1
Maximum TMP (mmHg)	600	600	600
Recommended flow rates (mL)	200-400	200-500	300-500

SPECIFICATIONS

Membrane

	Polyflux 14L	Polyflux 17L	Polyflux 21L
Effective surface area (m ²)	1.4	1.7	2.1

Fiber dimensions

	Polyflux 14L	Polyflux 17L	Polyflux 21L
Wall thickness (µm)	50	50	50
Inner diameter (µm)	215	215	215

Components	Materials	Sterile barrier	Sterilization agent	Quantity per case
Membrane	Polyamix™**	Medical grade paper	Steam	24
Potting material	Polyurethane (PUR)			
Housing, caps	Polycarbonate (PC)			
Sterile plugs	Polypropylene (PP)			
Sealing ring	Silicone rubber (SIR)			

* Measured with bovine blood, Hematocrit=32%, Protein 60 g/L, at 37°C.

** Polyarylethersulfone, Polyvinylpyrrolidone, Polyamide blend.

These specifications are subject to change without notice. For further information and operating instructions please refer to the Operator's Manual.

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