

Gambro polyflux L

THE POWER OF GAMBRO POLYFLUX DIALYZERS FOR LOW FLUX THERAPIES

POLYFLUX L is a low flux dialyzer that features the POLYAMIX membrane: an exclusive 3-layered, blended polymer fiber. The POLYFLUX low flux dialyzer combines effective clearance of small molecules, with a design focused on minimal loss of essential proteins and patient biocompatibility¹⁻⁵

LOW FLUX DIALYZER DESIGNED WITH PERFORMANCE IN MIND

- Effective clearance of urea and phosphates^{3,5}
- Provides a barrier designed to protect patients from endotoxins that transfer from the dialysate^{1,6,7,8,9}
- Transparent headers assist in visualizing the rinseback and priming process

PATIENT-FOCUSED TREATMENT OPTION

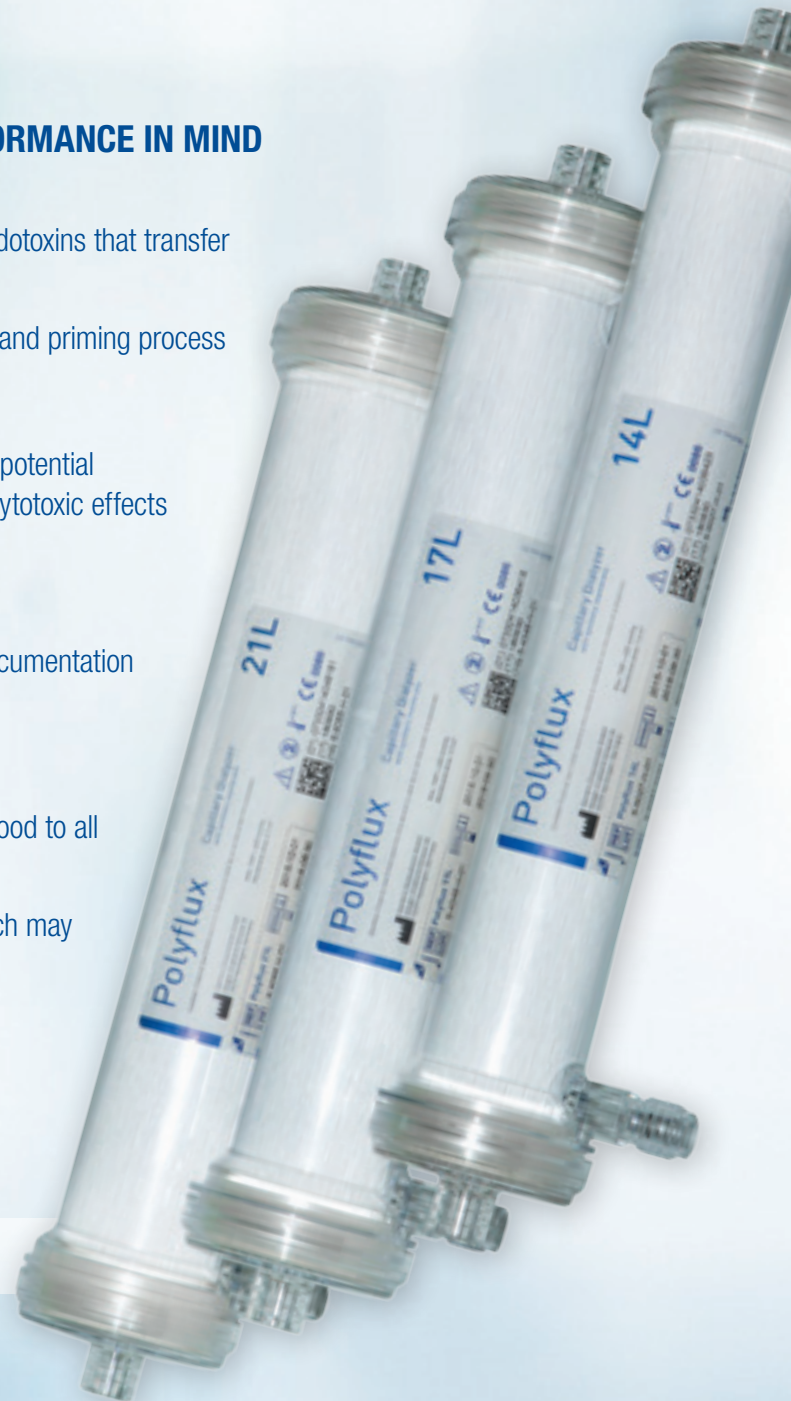
- Steam sterilized, which eliminates exposing patients to potential EtO residuals and helps to reduce the risk of possible cytotoxic effects due to gamma irradiation^{1,10,11}
- Range of sizes available from 1.4m² to 2.1m²
- Removable patient label available to help streamline documentation

EFFECTIVE DESIGN WITH PROPRIETARY POLYAMIX MEMBRANE

- Header is designed to provide uniform distribution of blood to all fibers, to help minimize clotting¹
- Undulated fibers promote a uniform dialysate flow, which may improve solute clearance vs. straight-fiber dialyzers^{1,12}



TYPICAL PATIENT PROFILE:
LOW FLUX DIALYZER THERAPY PATIENTS



Gambro POLYFLUX L Dialyzer

PERFORMANCES IN VITRO

Measured according to ISO 8637

CLEARANCE IN VITRO

(ml/min) ± 10%, QB (ml/min)

Hemodialysis

Q₀=500 ml/min, UF=0 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

Hemodiafiltration

Q₀=700 ml/min, UF=0 ml/min, Q_B (ml/min)

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*	851	1026	1268
UF-coefficient in vitro** (ml/h-mmHg)	10.0	12.5	15.0
Priming volume (ml)	81	104	123
Fluid volume for priming (ml)	≥500		
Residual blood volume (ml)	<1		
Maximum TMP (mmHg)	600		
Recommended QB (ml/min)	200-400	200-500	300-500

SPECIFICATIONS

Membrane

Surface area (m ²)	1.4	1.7	2.1
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Fiber dimensions

Wall thickness (μm)	50
Inner diameter (μm)	215

COMPONENTS	MATERIALS	STERILIZATION AGENT	STERILE BARRIER	QUANTITY PER CASE
Membrane	POLYAMIX***	Steam	Medical grade paper	24
Potting material	Polyurethane (PUR)			
Housing, caps	Polycarbonate (PC)			
Protective caps	Polypropylene (PP)			
O-rings	Silicon rubber (SIR)			

* Calculated at QB=300 ml/min, QD=500 ml/min and UF=0.

** Measured with bovine blood, hematocrit of (32 ± 3) % and a protein content of (60 ± 5) g/l.

*** Polyarylethersulfone, Polyvinylpyrrolidone, Polyamide blend.

For further information and operating instructions, please refer to the operator's manual and the Instructions for Use of the product.

CE 0086 The products meet the applicable provisions of Annex I (Essential Requirements) and Annex II (Full quality assurance system) of the Council Directive 93/42/EEC of 14 June 1993 concerning medical devices.

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- Ronco C, et al. Nephrol Dial Transplant 2003; 18(Suppl 7):vii10–20.
- Li Z, et al. Ren Fail 2015; [Epub ahead of print]:1–5.
- Yousif AE, et al. Am J Biosci Bioengineer 2015 ;3(2): 8–16.
- Mourad A, et al. Nephrol Dial Transplant 2004; 19:2797–2802.
- Tielemans C, et al. Blood Purif 2002; 20:214–215.
- Weber V, et al. Artif Organs 2004; 28(2):210–217.
- Ertl T, et al. Blood Purif 2003; 21:358.
- Schindler R, et al. Blood Purif 2006; 24:203–211.
- Hulko M, et al. ERA-EDTA London (UK), 2015:Poster FB516.
- D'Ambrosio FP, et al. Nephrol Dial 1997; 12:1461–1463.
- Krause B, et al. Chemie Ingenieur Technik 2003; 75:1725–1732.
- Kim JC, et al. Int J Artif Organs 2008; 31:944–950.

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