

Gambro polyflux 2h & 6h

A TREATMENT CHOICE FOR LOW BODY WEIGHT PATIENTS

The Gambro POLYFLUX 2H & 6H dialyzers provide high flux dialysis treatment to low body weight patients, typically children^{1,2,3}. The POLYAMIX membrane can deliver effective high flux performance suited to this patient group^{2,3}. Small blood compartments in the dialyzer are designed to promote simple and easy priming².

TWO SIZES, 2H & 6H, FOR DIFFERING SMALL PATIENT SIZES

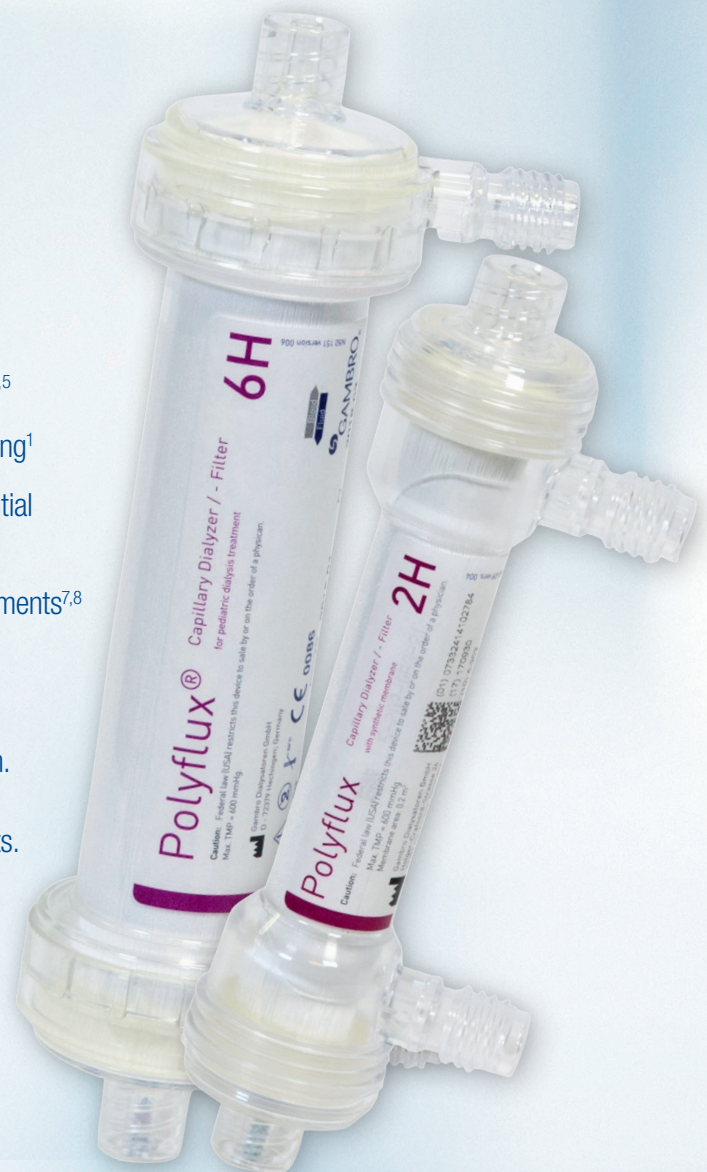
- Blood compartment priming volume of 17 ml and 52 ml, respectively^{2,3}
- Suitable for low body weight patients, typically children^{1,2,3}

A FOCUS ON THE PATIENT:

- Promotes endotoxin retention within the dialyzer membrane^{1,4,5}
- Membrane structure designed to help reduce the risk of clotting¹
- Steam sterilized, which eliminates exposing patients to potential EtO residuals⁶
- Suitable for use in both high flux dialysis and convective treatments^{7,8}

The Polyflux 2 H is indicated for treatment of chronic and acute renal failure by hemodialysis, hemodiafiltration and hemofiltration. In consideration of extracorporeal blood volume, blood flow and body weight, the Polyflux 2 H can be used for low weight patients.

Polyflux 6 H is intended for chronic and acute applications in hemodialysis, hemodiafiltration and hemofiltration on small patients including pediatric indications, considering blood flow, body weight and extracorporeal blood volume.



**TYPICAL PATIENT PROFILE:
LOW BODY WEIGHT PATIENTS, TYPICALLY CHILDREN**

Gambro POLYFLUX 2H & 6H Dialyzers

PERFORMANCES IN VITRO

Measured according to ISO 8637

CLEARANCE IN VITRO

(ml/min) ± 10%

Hemodialysis

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

	POLYFLUX 2H Q ₀ =30 ML/MIN			POLYFLUX 2H Q ₀ =300 ML/MIN			POLYFLUX 2H Q ₀ =500 ML/MIN			POLYFLUX 6H Q ₀ =500 ML/MIN			
	20	60	100	20	60	100	20	60	100	50	100	150	200
Urea	16	24	26	–	53	72	–	–	76	50	97	136	167
Creatinine	15	23	25	–	48	62	–	–	65	50	93	124	146
Phosphate	14	22	24	–	44	55	–	–	59	49	89	116	136
Vitamin B ₁₂	10	15	18	–	27	32	–	–	35	45	68	81	90
Inulin	7	10	11	–	19	21	–	–	23	–	–	–	–

Hemodiafiltration

2H: UF=20 ml/min, Q_B (ml/min). 6H: UF=30 ml/min, Q_B (ml/min)

Urea	–	–	79	–	99	141	174
Creatinine	–	–	70	–	96	131	156
Phosphate	–	–	64	–	94	125	147
Vitamin B ₁₂	–	–	43	–	79	94	104
Inulin	–	–	33	–	65	74	79

Ultrafiltration(2H)/Hemofiltration(6H)*

Filtration in vitro ± 20%, Q_B (ml/min)

TMP=100 mmHg	7	14	18	–	30-36	–	41-51
TMP=200 mmHg	8	16	21	–	38-46	–	54-66
TMP=300 mmHg	8	17	22	–	–	–	–

Sieving coefficient*

Vitamin B ₁₂	1.00	1.00
Inulin	1.00	0.99
β ₂ -microglobulin	0.7	0.63
Albumin	<0.01	<0.01

SPECIFICATIONS

Blood compartment volume (ml)	17	52
Surface area (m ²)	0.2	0.6
UF-coefficient (ml/h·mmHg)	15	33

Operating range

Blood flow rate limitations (ml/min)	20-100	50-300 (HD, HDF) 50-200 (HF)
Maximum dialysate flow (ml/min)	500	500
Recommended volume for priming (ml)	500	≥1000
Maximum TMP (mmHg)	600	600
Residual blood volume (ml)	<0.5	<1

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	16
Housing/header	Polycarbonate (PC)			
Gasket	Silicon rubber (SIR)			
Potting	Polyurethane (PUR)			
Protective plugs	Polypropylene (6H)			

For the safe and proper use of Polyflux 2H and 6H Dialyzers, refer to the contraindications, warnings, precautions and the complete directions for use in their respective instructions.

CE 0086

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

** PA/PVP/PAES

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