



Dialysis Products



Afri Medical is a pioneering company in medical device disposables manufacturing and has introduced the best quality products to meet the needs of the Dialysis Market with high efficiency and reliability.

All products are based on raw material with the highest medical qualities, manufacturing process is complying with the most recent international standards and strict quality control inspections to insure product safety, high biocompatibility, excellent stability and performance.

● Venaflo PolyEtherSulfone Dialyzer

- *Venaflo* PolyEtherSulfone Dialyzer is an advanced haemodialysis capillary dialyzer manufactured by Afri Medical and complying with the international standards to introduce a superior dialyzer with high efficiency and optimum cost.
- *Venaflo* PolyEtherSulfone Dialyzer has been designed for use in haemodialysis and associated forms of treatment for chronic or acute kidney failure patients.

● Chemical and Physical Properties

- *Venaflo* PolyEtherSulfone Dialyzer is based on a fully synthetic dialysis membrane made of PolyEtherSulfone and combined in a particular way with spacer yarns consisting of multifilament threads integrated into the fiber bundles.
- This combination improves dialysate distribution throughout the dialyzer to increase clearance values and maintain consistent performance.

Membrane	PolyEtherSulfone
Housing and Ports	Polycarbonate
Potting Resin	Polyurethane
O-Rings	Silicon
Protective Caps	Polypropylene



Performance Characteristics

Specifications	Model (Medium Flux Gamma)						Tolerance
	V.P. 100	V.P. 130	V.P. 150	V.P. 170	V.P. 190	V.P. 210	
Surface Area(m ²)	1.0	1.3	1.5	1.7	1.9	2.1	
Wall Thickness(μ)	35	35	35	35	35	35	±5%
Inner Diameter(μ)	200	200	200	200	200	200	±15%
Performance							
Urea (ml/min)	194	221	225	245	250	285	±10%
Creatinine (ml/min)	184	198	217	222	224	233	±10%
Phosphate (ml/min)	115	130	145	175	159	163	±10%
Vitamin B12 (ml/min)	57	74	115	119	120	122	±10%
UFRH ₂ O (ml/hr.mmHg)	30	38	43	45	58	60	±20%

Specifications	Model (Medium Flux EtO)						Tolerance
	V.P. 100	V.P. 130	V.P. 150	V.P. 170	V.P. 190	V.P. 210	
Surface Area(m ²)	1.0	1.3	1.5	1.7	1.9	2.1	
Wall Thickness(μ)	35	35	35	35	35	35	±5%
Inner Diameter(μ)	200	200	200	200	200	200	±15%
Performance							
Urea (ml/min)	194	221	225	245	250	285	±10%
Creatinine (ml/min)	184	198	217	222	224	233	±10%
Phosphate (ml/min)	115	130	145	175	159	163	±10%
Vitamin B12 (ml/min)	57	74	115	119	120	122	±10%
UFRH ₂ O (ml/hr.mmHg)	8.6	10.4	11.9	14	16	17	±20%

-Q_d=300 ml/min., Q_o=500 ml/min. With physiological NaCl Solution 0.9% at 37± 0.5°C. Q_r=10
* In Vitro.

- *Venaflor* PolyEtherSulfone Dialyzers provide for low and middle molecules a high clearance, stable over time with low protein adsorption yielding an efficient dialysis.

Advantages

- PolyEtherSulfone membrane exhibits excellent performance that provide dialyzers with many advantages which can be summarized as follows:

Very High Performance

- *Venaflor* PolyEtherSulfone Dialyzer has a very high Permeability for all relevant uremic toxins due to its typical unique structure and proper wall thickness.
- *Venaflor* PolyEtherSulfone Dialyzer represents an optimized synthetic low-flux dialyzer since it combines favorable high-flux features, i.e. middle molecule removal, with the advantages of low-flux dialyzer, i.e. less prone to pyrogen transfer from dialysate.

Excellent Biocompatibility

- *Venaflor* PolyEtherSulfone Dialyzer has a very good Biocompatibility profile causing low activation of the complement system, low activation of white blood cells and platelet content, and low thrombogenicity.

Sterilizable with all methods

- Due to its high chemical and physical stability, *Venaflor* PolyEtherSulfone Dialyzers can be sterilized with all available sterilization methods. (EtO, Gamma and Steam)

- * High flux dialyzers available upon request.