



Afri Medical



Dialysis Products

Afri Medical



Afri Medical as a pioneer company in the medical device disposables manufacturing, has introduced the best quality products to meet the needs of 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.

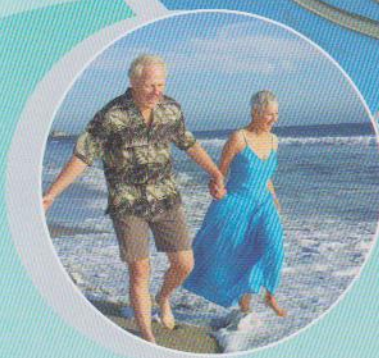
● Venaflo PolyEtherSulfone Dialyzer

- 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 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 consist of multifilament threads integrated into the fiber bundles.
- This combination improves dialysate distribution throughout the dialyzer to increases clearance values and maintains consistent performance.

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



● Performance Characteristics

Specifications	Model (Medium Flux)							Tolerance
	V.P. 100	V.P. 130	V.P. 150	V.P. 170	V.P. 190	V.P. 210	V.P. 230	
Surface Area(m ²)	1.0	1.3	1.5	1.7	1.9	2.1	2.3	
Wall Thickness(μm)	35	35	35	35	35	35	35	± 5%
Inner Diameter(μm)	200	200	200	200	200	200	200	± 5%
Performance:								
Urea (ml/min)	195	205	211	217	217	230	240	± 10%
Creatinine (ml/min)	178	185	191	199	206	214	220	± 10%
Phosphate (ml/min)	149	155	161	169	176	182	189	± 10%
Vitamin B12 (ml/min)	92	100	195	112	117	124	132	± 10%
UFRH ₂ O (ml/hr.mmHg)	14	18	20	24	27	30	32	± 20%

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

- Venaflo 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

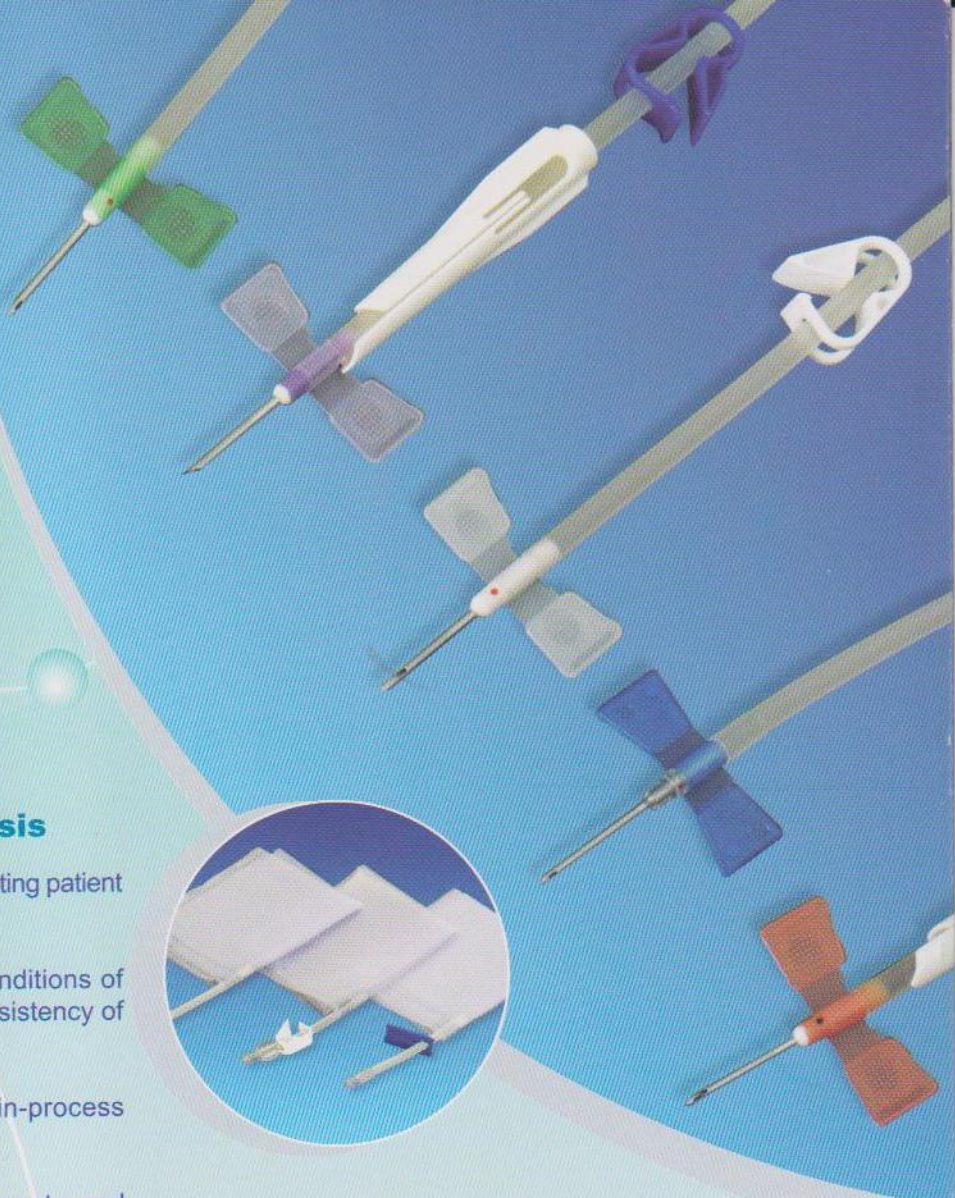
- Venaflo PolyEtherSulfone Dialyzer has a very high permeability for all relevant uremic toxins due to its typical unique structure and proper wall thickness.
- Venaflo PolyEtherSulfone Dialyzer represents an optimized synthetic low-flux dialyzer since it combines favorable high-flux features, i.e. middle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

● Excellent Biocompatibility

- Venaflo 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, Venaflo PolyEtherSulfone Dialyzers can be sterilized with all available sterilization methods. (EtO, Gamma and Steam)



● Blood Lines for Haemodialysis

- High quality components including self-ejecting patient connectors and latex-free injection ports.
- PVC tubing is designed to withstand conditions of manipulation with high accuracy and consistency of blood flow.
- Assured product safety by permanent in-process control and 100% inspection for leakage.
- Laboratory tests demonstrated an accurate and consistent flow rate over time and excellent performance under extreme conditions.
- A wide range of different configurations are available to suit all dialysis machines.

● AV Fistula Needles for Haemodialysis

- Ensured maximum blood flow with minimum resistance by a non-traumatic siliconized ultra-thin needle wall.
- Better blood flow is also provided by a side hole (Back-Eye).
- Easy painless penetration is guaranteed by optimum inclination of the cutting edge.
- Available sizes: 14G - 15G - 16G - 17G.

● Drainage Bags for Haemodialysis

- Providing a closed system to reduce the infection risk.
- Specifications regarding the film type and welding technology are considering both clinical efficiency and cost effectiveness.
- A large range of standard bag configurations and accessories are available with the flexibility to be further customized to introduce the most suitable product.
- Drainage bags can be used for other applications such as bags for peritoneal dialysis or bags for parenteral nutrition.

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