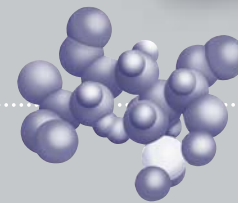


# prismaflex

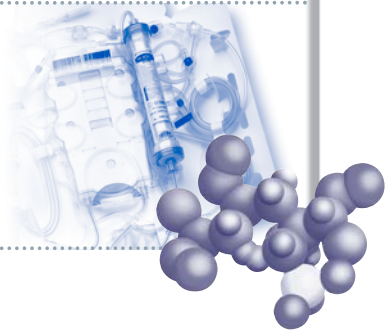


M60 SET

M100 SET



# M60 SET / M100 SET



## General data

	Prismaflex M60 Set	Prismaflex M100 Set
Weight	780 g	800 g
Overall dimensions	27 x 22 x 9 cm	27 x 22 x 9 cm
Blood volume in set ± 10 %	103 ml	149 ml

## Materials

- AN69 HF hollow fiber: Acrylonitrile and sodium methallyl sulfonate copolymer
- Filter housing and headers: Polycarbonate
- Filter potting compound: Polyurethane
- Tubing material: plasticized polyvinyl chloride (PVC)
- Cartridge: PETG
- Sterilization mode: EtO (ethylene oxide)

## Filter operating specifications

- Maximum TMP\* (mmHg/kPa): 450/60
- Maximum blood pressure (mmHg/kPa): 500/66.6
- Minimum blood flow rate:  
Prismaflex M60 Set: 50 ml/min  
Prismaflex M100 Set: 75 ml/min

## Filter data

- Nominal physical characteristics
  - Effective surface area:  
Prismaflex M60 Set: 0.60 m<sup>2</sup>  
Prismaflex M100 Set: 0.90 m<sup>2</sup>
  - Fiber internal diameter (wet): 240 µm
  - Fiber wall thickness: 50 µm

## In vitro performances

- Blood priming volume in filter ±10%  
TMP = 100 mmHg  
Prismaflex M60 Set: 42 ml  
Prismaflex M100 Set: 66 ml

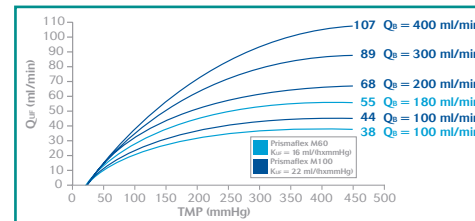
- Blood pressure drop (in post dilution mode)  
(bovine blood, Hematocrit 32%, Pc\*\*\* = 60 g/l, T = 37°C)

	Prismaflex M60 Set	Prismaflex M100 Set
Q <sub>a</sub> ** = 100 ml/min - Q <sub>UF</sub> ** = 1l/h	47 mmHg	31 mmHg
Q <sub>B</sub> = 180 ml/min - Q <sub>UF</sub> = 2l/h	91 mmHg	60 mmHg
Q <sub>B</sub> = 250 ml/min - Q <sub>UF</sub> = 2l/h		73 mmHg
Q <sub>B</sub> = 400 ml/min - Q <sub>UF</sub> = 2l/h		105 mmHg

- Sieving coefficient (bovine plasma, Pc 60 g/l, T = 37°C)  
Q<sub>B</sub> = 100 ml/min, Q<sub>UF</sub> = 20 ml/min  
Urea = 1, Creatinine = 1, Vitamin B12 = 1,  
Inulin = 0.95, Myoglobin = 0.55, Albumin ≤ 0.01

## CVVH Performances

- "In vitro" ultrafiltration with blood (in post-dilution)  
(values ±5%) (Continuous venovenous hemofiltration)  
(Bovine blood at 37°C, Hematocrit 32%, Pc\*\*\* 60 g/l).



## CVVHD Clearances

- Clearances values inlet dialysate flow rate  
(Continuous venovenous hemodialysis) (Saline, T = 37°C).

	Prismaflex M60 Set			Prismaflex M100 Set		
	Q <sub>a</sub> = 1l/h	Q <sub>a</sub> ** = 100 ml/min	Q <sub>a</sub> *** = 0 ml/min	Q <sub>a</sub> = 1l/h	Q <sub>a</sub> ** = 150 ml/min	Q <sub>a</sub> *** = 0 ml/min
Urea (±10%)	17	39	54	17	41	63
Vitamin B12 (±20%)	14	23	28	16	30	37
Inulin (±20%)	12	17	19	14	23	26

## Ordering information

	Catalog N°	N° units/box
PRISMAFLEX M60 Set	8353510	4
PRISMAFLEX M100 Set	8353520	4
SP414 - 5-liter bag	6032957	50

\*Transmembrane pressure. \*\*Access blood flow rate.  
\*\*\*Protein concentration. \*\*\*\*Ultrafiltration flow rate (1).  
(1) The ultrafiltration flow rate is the "patient fluid removal flow rate + replacement flow rate + pre-blood-pump flow rate".

