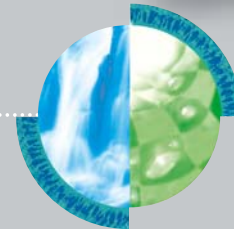


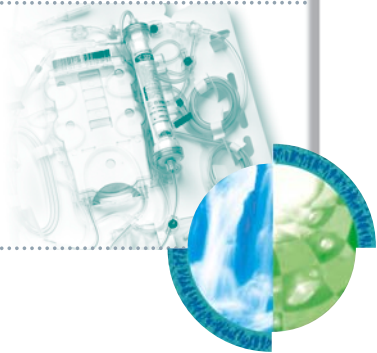
prismaflex



HF1000 SET
HF1400 SET



HF1000 SET / HF1400 SET



General data

	Prismaflex HF1000 Set	Prismaflex HF1400 Set
Weight	780 g	820 g
Overall dimensions	27 x 22 x 9 cm	27 x 22 x 9 cm
Blood volume in set ± 10 %	165 ml	186 ml

Materials

- PAES hollow fiber: Polyarylethersulfone
- 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): 500/66.6
- Maximum blood pressure (mmHg/kPa): 500/66.6
- Minimum blood flow rate:
 - Prismaflex HF1000 Set: 75 ml/min
 - Prismaflex HF1400 Set: 100 ml/min

Filter data

- Nominal physical characteristics
 - Effective surface area:
 - Prismaflex HF1000 Set: 1.15 m²
 - Prismaflex HF1400 Set: 1.40 m²
 - Fiber internal diameter (wet): 215 µm
 - Fiber wall thickness: 50 µm

In vitro performances

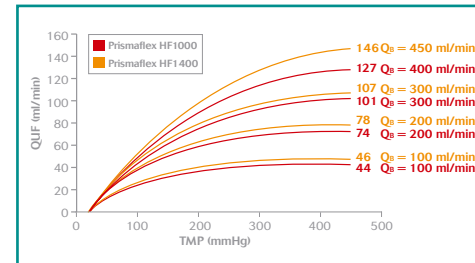
- Blood pressure drop (in post dilution mode)
bovine blood, Hematocrit 32%, Pc*** = 60 g/l, T = 37°C

	Prismaflex HF1000 Set	Prismaflex HF1400 Set
Q _b ** = 100 ml/min - Q _{uf} ** = 2l/h	37 mmHg	29 mmHg
Q _b = 200 ml/min - Q _{uf} = 2l/h	51 mmHg	41 mmHg
Q _b = 400 ml/min - Q _{uf} = 2l/h	81 mmHg	64 mmHg

- Sieving coefficient
(bovine plasma, Pc 60 g/l, T = 37°C)
Q_b = 100 ml/min, Q_{uf} = 20 ml/min (HF1000);
Q_b = 300 ml/min, Q_{uf} = 60 ml/min (HF1400);
Urea = 1, Creatinine = 1, Vitamin B12 = 1,
Inulin = 0.99, Albumin <0.01

CVVH Performances

- "In vitro" ultrafiltration with blood (in post-dilution)
(values ±15%) (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 HF1000 Set Q _b ** = 100 ml/min Q _{uf} ** = 0 ml/min				Prismaflex HF1400 Set Q _b ** = 200 ml/min Q _{uf} ** = 0 ml/min			
	1	2.5	4	8	1	2.5	4	8
Q _b ml/min	17	42	67	133	17	42	67	133
Urea (±10%)	17	41	62	88	17	41	65	119
Vitamin B12 (±20%)	16	36	48	63	17	38	55	84
Inulin (±20%)	16	32	42	52	16	35	46	69

*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".

Ordering information

	Catalog N°	N° units/box
PRISMAFLEX HF1000 Set	8399030	4
PRISMAFLEX HF1400 Set	8399040	4
SP414 - 5-liter bag	6032957	50

