



HF20 SET FOR CRRT FOR LOW BODY WEIGHT PATIENTS

Membrane for CRRT Powered By
PrisMax and Prismaflex

The HF20 set should be restricted to patients with a body weight greater than 8kg (18lbs)

HF20 SET

The Prismaflex set is indicated for use only with the Prismaflex control unit or with software version 4.0 or later, with the PrisMax control unit (in countries where PrisMax is cleared or registered) in providing continuous fluid management and renal replacement therapies. The system is intended for patients who have acute renal failure, fluid overload, or both.

PHYSICAL CHARACTERISTICS⁽¹⁾

	HF20 set
Membrane effective surface area	0.2 m ²
Fiber internal diameter (wet)	215 µm
Fiber wall thickness	50 µm
Blood volume in set	58 mL
Overall dimensions	27 x 22 x 9 cm
Weight	677 g
Minimal patient weight	8 kg

MATERIALS

PAES hollow fiber: Polyarylethersulfone

Housing and headers: Polycarbonate

Potting compound: Polyurethane

Tubing material: Plasticized polyvinyl chloride (PVC)

Cartridge: PETG

OPERATING PARAMETERS

Maximum TMP (mmHg/kPa)	500/66.6
Maximum blood pressure (mmHg/kPa)	500/66.6
Minimum blood flow rate	20 mL/min
Maximum blood flow rate	100 mL/min

CLEARANCES

Clearance (mL/min) (saline solution ; 37°C)

Parameters QB/QS QUF	20 mL/min 0 mL/min					50 mL/min 0 mL/min					100 mL/min 0 mL/min				
	0.5	1	1.5	2	2.5	0.5	1	1.5	2	2.5	0.5	1	1.5	2	2.5
QD-L/h	0.5	1	1.5	2	2.5	0.5	1	1.5	2	2.5	0.5	1	1.5	2	2.5
QD-mL/min	8	17	25	33	42	8	17	25	33	42	8	17	25	33	42
Urea (±10%)	8	12.5	14.5	15.7	16.5	8.3	15.5	20.9	25.1	28.7	8.3	16.4	23.6	30.1	36.3
Creatinin (±10%)	7.8	11.7	13.6	14.7	15.6	8.3	15.0	19.7	23.1	26.0	8.3	16.2	22.9	28.5	33.5
Vitamin B12 (±20%)	6.5	8.6	9.5	10.0	10.3	7.6	11.7	13.9	15.4	16.5	8.1	13.9	17.6	20.3	22.5
Inulin (±20%)	5.6	7.0	7.5	7.8	7.9	6.9	9.8	11.2	12.1	12.7	7.9	12.6	15.2	16.9	18.1

PERFORMANCE SPECIFICATIONS⁽²⁾

Maximum ultrafiltration rate (mL/min)⁽³⁾
(bovine blood, Hct 32%, Cp 60 g/L, 37°C)

QB (mL/min)	20	50	100
Max.QUF (± 20%)	9	17	24
Sieving coefficient (bovine plasma, Cp 60 g/L, 37°C) QB = 50 mL/min, QUF = 10 mL/min			
• Urea	1.00		
• Vitamin B ₁₂	1.00		
• Inulin	0.92		
• Albumin	<0.01		

(1) Nominal values – given for indication

(2) Typical mean values obtained from laboratory testing of post-sterilization sample lots. Results may vary depending on patient and clinical conditions.

(3) Ultrafiltration is controlled by the control unit and is independent of the ultrafiltration coefficient (KUF).

ACRONYMS

TMP:	Transmembrane pressure
QB/QS:	Arterial blood flow rate
QUF:	Ultrafiltration flow rate (fluid removal + replacement flow rate + pre blood pump flow rate)
QD:	Dialysate flow rate
Hct:	Hematocrit
Cp:	Protein concentration

ORDERING INFORMATION

	Code N°	N° units/box
HF20 set	109841	
HF20 set CKT	115313	4

For safe and proper use of the devices mentioned herein, please refer to the Instructions for Use.
Latest IFU date: 2018-07-02.

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