Technical data

General data	
Dimensions	1,680 x 350 x 780 mm (H x W x D) at dialysis chair/ bed level (width at base: 520 mm, depth with canister holder: 900 mm)
Weight	approx. 115 kg
Water supply	
Water inlet pressure	1.5 to 6.0 bar
Water inlet temperature	5 to 30 °C; for "integrated hot rinse" 85 to 95 °C
Max. drain height	1 m
Flush (optional)	Rinsing of the water supply area
Concentrate supply	
Supply pressure	0 to –100 mbar; 1 m max. suction height with Central Delivery System (CDS): 0.05 to 2.0 bar
Central supply	2 central acid concentrates (optional)
Electrical data	
Power supply	100 to 240 V AC ± 10 %, 50 to 60 Hz
Current consumption	Approx. 8 A (at 230 V) at a water inlet temperature of 17 °C, dialysate temperature 37 °C, Dialysate flow: 500 mL/min
External connections	Alarm output: potential free alarm outlet (alternating contact max. 24 V/24 W). LAN (RJ 45) port for data exchange.

Extracorporeal circuit	
Arterial pressure monitoring	
Display range	–300 mmHg to +300 mmHg
Accuracy	± 7 mmHg
Resolution	5 mmHg
Alarm reaction	Dynamic, static, immediately
Venous pressure monitoring	
Display range	–100 mmHg to +500 mmHg
Accuracy	± 7 mmHg
Resolution	5 mmHg
Arterial blood pump	
Blood flow range	30 to 600 mL/min
Accuracy	± 10 %
Resolution	10 mL/min
Single needle system (optional)	Internal pressure/pressure control with variable stroke volume (max. 60 mL/min)
Air bubble detector	Ultrasound transmission measurement through tubing, additional capacitive level and infrared optical monitoring
Heparin pump	Delivery range: 0.5 to 10 mL/h Bolus function: 1.0 to 20.0 mL Syringe size: 20 mL, 30 mL

Dialysis fluid circuit	
Dialysis fluid flow range	
Selectable	0 to 1000 mL/min (steps of 100 mL/min)
AutoFlow (selectable)	Automatic adaptation of the dialysate flow to the effective blood flow
Eco Flow	Stand-by flow during preparation and after reinfusion
Dialysis fluid temperature	34 to 39 °C

Dialysis fluid concentration (conductivity)	
Range	12.8 to 15.7 mS/cm
Accuracy	± 0.1 mS/cm
Resolution	0.1 mS/cm
Dialysis fluid acid component	
Mixing ratio	Adjustable, e.g. 1+44, 1+34
Adjustment range	125 to 151 mmol/L, depending on the concentrate used ± 10 % of the base value
Dialysis fluid bicarbonate component	
Default mixing ratio	1+27.6 (others possible)
Adjustment range	20.0 to 40.0 mmol/L (depending on the concentrate used; increments of 0.5 mmol/L)
OCM®	Online Clearance Monitoring
Accurate Clearance K	± 6 %
Bicarbonate dry concentrate	bi*bag*®
Dialysis fluid filter system	DIASAFE®*plus*
ONLINE*plus*	
Substitution rate	25 to 600 mL/min
Accuracy	± 10 %
Balancing accuracy	± 0.1 % related to the total dialysis fluid volume
Pressure holding tests	Event controlled
Ultrafiltration	
UF rate	0 to 4000 mL/h (in steps of 10 mL)
Pump volume accuracy	± 1 %
Parameters displayed	UF goal, UF time, UF rate, UF volume
Blood leak detector	
Sensitivity	≤ 0.35 mL blood/min (Hct = 32 %) flow rate 100 mL/min to 1000 mL/min
BTM (optional)	
Temperature measurement	Accuracy ± 0.2 °C
Body temperature control	Allowed change rate ± 0.5 °C/h
Recirculation measurement	Accuracy ± 2 %
BVM (optional)**	
Relative Blood Volume (RBV)	1.7 % (absolute)
Hematocrit (Hct)	± 2.9 Hct % (if plasma protein concentration range is 60 to 85 g/L)
Hemoglobin (Hb)	± 0.8 g/dl
BPM (optional)	
Display range	Systole: 60 mmHg to 250 mmHg Diastole: 40 mmHg to 200 mmHg MAP: 45 mmHg to 235 mmHg Pulse: 40 to 200 1/min
Accuracy	≤ ± 5 mmHg
Resolution	1 mmHg

*Various programme combinations selectable.
**Therapy options must be purchased separately.
Technical changes reserved.