

5008S CorDiax – Technical Data

General data	
Dimensions 5008S CorDiax	1,680 x 520 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. 114 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	110 to 240 V AC ± 10%, 50 to 60 Hz
Current consumption	Approx. 6 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: volt-free alarm outlet (alternating contact max. 24 V/24 W). LAN (RJ 45) port for data exchange with Therapy Data Management System (optional)
Extracorporeal circuit	
Arterial pressure measurement	
Display range	–300 mmHg to +300 mmHg
Accuracy	± 7 mmHg
Resolution	5 mmHg
Alarm reaction	Dynamic, static, immediately
Venous pressure measurement	
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)	With 2 blood pumps, 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
EcoFlow	Stand-by flow during preparation and after reinfusion
Dialysis fluid temperature	34 to 39 °C
Dialysate 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; steps of 0.5 mmol/L)
OCM®	Online Clearance Monitoring
Accurate Clearance K	± 6% (Double-Needle)
Bicarbonate dry concentrate	bi/bag
Dialysis fluid filter system	DIASAFE® <i>plus</i>
ONLINE^{plus}	ONLINE Haemo(dia)filtration
Substitution rate	25 to 600 mL/min
Accuracy	± 10%
Balancing accuracy	± 0.1% relative 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	≤ 0.5 mL blood/min (Hct = 25%) flow rate 100 mL/min to 1000 mL/min
BTM (optional)	
Body temperature change	Accuracy ± 0.2 °C
Body temperature control	Allowed change rate ± 0.5 °C/h
Recirculation measurement	Accuracy ± 2%
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
Disinfection and cleaning programmes*	
Rinse	
Temperature/flow	37 °C/600 to 700 mL/min (adjustable)
Hot rinse (recirculation)	
Temperature/flow	85 °C/600 to 700 mL/min (adjustable)
Cleaning Sporotal® 100 (recirculation)	
Temperature/flow	37 °C/600 to 700 mL/min (adjustable)
Heat disinfection Diasteril®/Citrosteril® (recirculation)	
Temperature/flow	85 °C/600 to 700 mL/min (adjustable)
Disinfection Puristeril® 340/plus (recirculation)	
Temperature/flow	37 °C/600 to 700 mL/min (adjustable)

*Various programme combinations selectable.

Technical changes reserved.