



Technical Data

General Data

Nominal voltage:	230 V (option: 120/240 V)
Nominal frequency:	50 Hz (230/240 V) or 60 Hz (120 V)
Nominal current:	max. 11 A at 230 V or 16 A at 120 V
Dimensions (w x d x h):	approx. 510 x 637 x 1678 mm
Weight (empty):	approx. 85 kg in the standard version
Water supply	
Pressure range:	0.5 to 6 bar
Temperature range:	+10 to +30 °C
Concentrate supply:	canister/central concentrate supply/bicarbonate cartridge
Pressure range:	0 to +1 bar
Standards:	EN 60601-1 : (IEC 601-1) EN 60601-2-16 : (IEC 601-2-16) EN 60601-1-2 : (IEC 601-1-2)

Manufactured in compliance with MDD 93/42/EEC

Dialysis Fluid System

Temperature working range:	selectable between +33 to +40 °C
Dialysis fluid preparation:	conductivity controlled
Operating range:	- conductivity bicarbonate 2 to 4 mS/cm or 4 to 7 mS/cm - total conductivity 12.5 to 16 mS/cm
Accuracy:	±0.2 mS/cm
Flow rate:	300 to 800 ml/min
Accuracy:	±5 %
Blood leak detector:	optical, colour specific
Alarm threshold:	> 0.50 ml/min (HCT 45 %) > 0.35 ml/min (HCT 25 %)
Ultrafiltration:	- volume controlled through balancing chambers, ultrafiltration by ultrafiltration pump - sequential ultrafiltration (Bergström)
Operating range:	0 to +3000 ml/h 0 to +5500 ml/h option HDF
Accuracy:	±3 % regarding rate; 0.2 ml/chamber cycle
Degassing system:	mechanical via controlled negative pressure

Extracorporeal Circuit

Blood pump:	2-roller, peristaltic pump
Delivery rate:	50 to 600 ml/min
Delivery accuracy:	< 10 % for pressure up to -150 mmHg
Heparin pump:	pump for 10, 20 and 30 ml syringes
Delivery rate:	0.1 to 10 ml/h
Delivery accuracy:	< 10 %
Safety air detector:	ultrasound measurement in the tube
Functionality test:	automatically and cyclically monitored during the entire operating phase
Dialyser inlet pressure (PBE):	0 to +700 mmHg
Accuracy:	±10 mmHg
Arterial pressure (PA):	-400 to +400 mmHg
Accuracy:	±10 mmHg
Venous pressure (PV):	20 to 390 mmHg
Accuracy:	±10 mmHg

Disinfection

Chemical disinfection/cleaning:	automatic program run with initial rinsing phase; parameters are adjustable according to the disinfectant used
Heat disinfection/cleaning:	automatic program run at 85 °C
Central heat/chemical cleaning/rinsing:	central cleaning/rinsing of the problematic zone of the water inlet tube with 85 °C/disinfectant

Machine	Article number	Option	Article number
Dialog ⁺ (single pump)	7105005	bicarbonate-cartridge	7105170
Dialog ⁺ (double pump)	7105013	central concentrate supply	7105196
Dialog ⁺ HDF-online*	7105072	dialysate flow filter	7105102
		heat exchanger	7105110
		staff call	7107315
		pump roller 7x10	7107340
		nominal voltage 120 V	7109307
Option		Accessories	Article number
bioLogic RR comfort	7105323	box	7107320
bioLogic RR comfort for Card Reader	7105324	box comfort	7107322
ABPM	7105226	Monitor mini-shelf	7102872
battery power supply	7105244	Record holder	7102873
SN-valve	7105252	Combi shelf-holder	7102871
Dialog-Computer-Interface	7107218	Universal storage tray	7105500
Nexadia BSL	7107230		
Card Reader (incl. 5 cards)	7105230		
Patient Therapy Cards (5 pieces)	7105232		
HDF-bag	7105269		

*inclusive bicarbonate-cartridge, central concentrate supply and heat exchanger

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