

Baxter
Artis Physio Plus
DIALYSIS SYSTEM

NEW POSSIBILITIES



SIMPLE DELIVERY



The **Artis Physio Plus** multi-therapy system is Baxter's newest innovation for effective delivery of hemodialysis therapy.

ARTIS PHYSIO PLUS Main performances

TREATMENT MODALITIES

HD double needle (DN) and single needle double pump (SN DP)
 HDF/HF predilution, HDF postdilution, **UltraControl** HDF modality
 HDx expanded hemodialysis with the **Theranova*** dialyzer
BiCart Select system and **BiCart Select Citrate** system
HemoControl modality: automatic sodium and UF profiling
 Flexible isolated UF

TREATMENT MONITORING

Programmable patient card for treatment prescription
 BPM: Blood pressure monitoring
Diascan monitoring: measurement of ionic clearance and Kt/V
Hemoscan monitoring: measurement of the blood volume variation
Smartscan: programmable alert system
 Dialysis reporting page: treatment summary and event log

SYSTEM INTEGRATION

ArtiSet blood tubing system with auto-loading procedure
 One-button auto-priming procedure
Evaclean integrated draining of priming fluid
 Automated priming, patient connection and rinseback
 Ultra Prime function for on-line priming, bolus and rinseback
Navpad user interface navigation system
 Programmable user timer
 Open connection to IT network for clinical data management
 Integrated service mode

ARTIS PHYSIO PLUS Technical specifications

DIMENSIONS AND WEIGHT

Width	660 mm
Depth	700 mm
Height	1550 mm (without IV pole)
Weight	< 135 kg

Operating environment

Ambient temperature	+18 to +35°C
Relative humidity	30 to 85% rh.
Ambient pressure	795 to 1060 HPa

BLOOD MODULE

Blood flow control

Actual blood flow rate HD DN	10 to 500 mL/min
Mean blood flow rate SN DP	20 to 270 mL/min
Stroke volume SN DP	25 to 60 mL

Blood circuit pressure supervision

Arterial pressure	-300 to +150 mmHg
Venous pressure	+10 to +400 mmHg
Single needle pressure (SNDP)	+40 to +450 mmHg

Air detection

Ultrasonic detector

Heparin syringe pump

1.5 to 10 mL/h (Syringe 30 mL) or 0.5 to 4.0 mL/h (Syringe 10 mL)
 Linear or intermittent infusion rates, manual bolus and programmable stop time

Blood volume monitoring

Relative blood volume	-40% to +10%
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FLUID MODULE

Water supply

Inlet pressure	150 to 800 kPa
Inlet temperature	+5 to +32°C (230V) or +10 to +32°C (115V)
Inlet water quality	Must comply with local standards and ISO 13959 standard

Dialysis fluid preparation and monitoring

Flow rate (HD treatment)	300-800 mL/min (by step of 50 mL/min)
Temperature	+34.0 to +39.5°C
Sodium range	130 to 160 mmol/L
Bicarbonate range	24 to 38 mmol/L
Dry bicarbonate	BiCart cartridge
pH (optional)	1.0 to 13.0 pH units
Substitution fluid (on-line HDF/HF)	1.2 to 27 L/h (maximum 150 L)

Concentrate low consumption mode

Connection to central concentrate supply (optional)

Ultrafiltration control

UF volume	0 to 24 L, in steps of 0.05L
UF rate	0 to 3 L/h
Blood leak detection	Infrared light

Disinfection and rinse

Heat, and chemical disinfection
 Integrated heat mode with Baxter **CWP**
 Heat with **CleanCart** A or C cartridge (disinfection + deproteinization or decalcification)
 Chemical Stand-by mode
 Weekly disinfection program with auto-On/Off
 Disinfection process history
U9000 ultrafilter management

Power supply

Voltage	230/240 VAC (± 10 %) or 115 VAC (± 10 %)
Frequency	50/60 Hz (± 5 Hz)
Power consumption	Max. 10 A at 230/240 VAC or Max. 16 A at 115 VAC
Battery backup power supply	Up to 15 min

External connectivity

Ethernet port 10/100 base T
 IT connectivity with HL7 protocol
 USB port for Baxter Service Operations

The products meet the applicable provisions of Annex I (Essential Requirements) and Annex II (Full quality assurance system of the Council Directive 93/42/EEC of 14 June 1993, amended by Directive 2007/47/EC)

For safe and proper use of the device mentioned herein, please see the Operators Manual

*** Do not use Theranova dialyzers in HDF or HF mode**

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