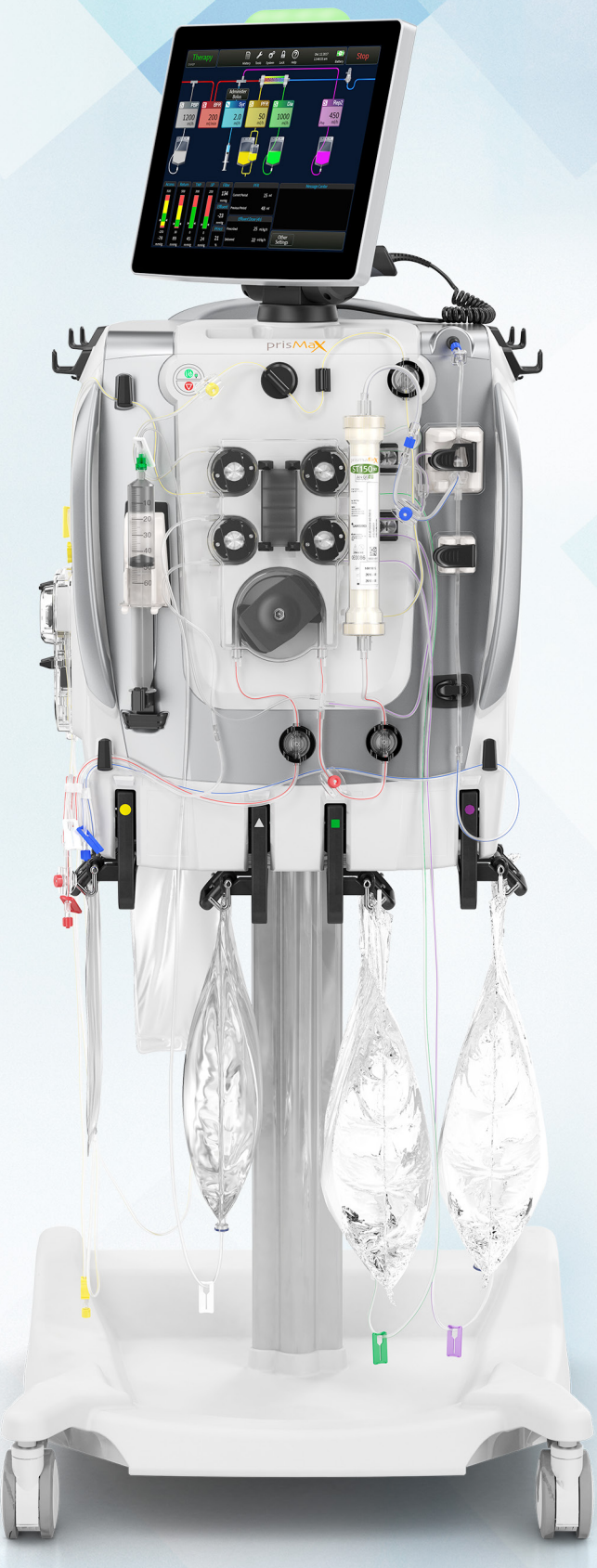
Baxter

PrisMax

ACUTE CARE SYSTEM



PrisMax

MAXIMISING ICU POTENTIAL

The **PrisMax** system builds upon the market-leading **Prismaflex** platform, helping to increase user confidence in delivering CRRT through improved ease of use and user efficiency. It is backed by Baxter's broad acute product portfolio and commitment to the needs of ICU patients and practitioners.

PrisMax Specifications and Features

Physical dimensions

Height: Approximately 140 to 170 cm (55 to 67 in)
Width: Approximately 51 cm (20 in)
Floor space: Approximately 70 x 70 cm (27.5 x 27.5 in)
Weight: Approximately 75 to 80 kg (165 to 176 lb) without fluid bags or disposable set, depending on installed options

Therapy modalities

CRRT: SCUF, CVVH PRE and/or POST, CVVHD, CVVHDF PRE or POST
TPE, HP

Electrical data

Line voltage: 100–240 VAC, 50/60 Hz
Power: 350 VA peak
Average power consumption: Greater than 125 VA (CVVHDF treatment), (When battery is charging) 60 VA nominal operation

Flow rate ranges*

	Flow rate range	Increment
Blood†	10 to 450 ml/min	1 ml/min
Replacement	0 to 8000 ml/h	10 ml/h
Dialysate	0 to 8000 ml/h	10 ml/h
Pre-blood pump (PBP)	0, 10 to 4000 ml/h	2 ml/h
Patient fluid removal	0, 10 to 2000 ml/h maximum	5 ml/h

†Blood flow rate accuracy: ±10% of user-set rate (at 37 °C, nominal blood flow of 450 ml/min or the highest achievable disposable blood flow, access pressure of -200 mmHg, and no PBP flow)

Fluid control

Gravimetric fluid management, based on five scales
Scales range: 0 to 11 kg
Accuracy:
- 0–5200 g: ±7.0 g
- 5200–11000 g: ±14.0 g

Anticoagulation options

Systemic, integrated syringe pump
Regional citrate with integrated calcium pump
Citrate only (for TPE) with external calcium pump
No anticoagulation

Anticoagulation syringe pump

Systemic anticoagulation method:

Syringe size	20 ml	50 ml
Continuous delivery rate range	0, or 0.5 to 5 ml/h	0, or 0.5 to 20 ml/h
Increment	0.1 ml/h	0.1 ml/h
Bolus volume range	0.5 to 5 ml	0.5 to 9.9 ml

Regional Citrate-Calcium syringe pump anticoagulation method:

Syringe size	50 ml
Calcium concentration range	80–1000 mmol/l Increment: 1 mmol/L Default: Defined in System Configuration (no factory default)

The integrated syringe pump, when used for calcium infusion, requires a dedicated calcium line (CA 250) connected to the syringe

* Flow rate ranges, limits and Increments will vary depending on the therapy and set selected.
For safe and proper use of the products mentioned herein, please refer to the appropriate Operators Manual or Instructions for Use.

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Safety systems

Hand-held barcode reader allows to scan patient IDs, as well as the blood and Auto-Effluent Drain Accessory, to ensure they match the selected set and therapy

Integrated alarm management for audible and visual alarm signals with on-screen guidance

Ultrasonic air detector: detects single air bubble >20 µl

Blood leak detector:
Leak >0.35 ml/min at 0.25 Hct, for effluent flow rate below 5500 ml/h
Leak >0.5 ml/min at 0.32 Hct, at highest effluent flow rate

Fluid leak detector: Detects fluids >50 ml

Management of electrostatic charges to avoid ECG interference

Fully charged battery backup enables continuous treatment delivery for at least 30 min

Pressure monitoring:
Access Line pressure: -250 to +450 mmHg, accuracy: ± 15 mmHg
Return Line pressure: -50 to +350 mmHg, accuracy: ± 5 mmHg
Filter pressure: -50 to +450 mmHg, accuracy: ± 15 mmHg
Effluent Line pressure: -350 to +400 mmHg, accuracy: ± 15 mmHg
Absolute Atmospheric pressure: 525 to 795 mmHg, accuracy: ± 20 mmHg

IEC-60601-1 3rd edition with Amendment 1 compliance

Features

Compatible with fully integrated and pre-connected sets that are automatically loaded, primed and tested

Visual confirmation to the user when each component of the set has been correctly installed

Touchscreen: Integral 1024 x 768 16-bit colour LCD monitor provides all relevant treatment data (prescription, flows, pressures)

Adjustable display allows for a better viewing angle and lies flat during transportation

Patient Fluid Removal Catch-up: proprietary software can adjust effluent pump flow rate gradually as needed, to achieve the prescribed patient fluid removal (PFR) to compensate for treatment interruptions (up to 10 minutes per instance)

Profiles (prescription settings) to allow the user to set up the treatment faster

Deaeration chamber avoids blood-air interface when running post-replacement solution

Automated Liquid Level Sensor maintains the deaeration chamber height within optimal range

Small extracorporeal blood volume (58–193 ml, depending on CRRT set in use)

Software-controlled pinch valves allow selection of pre- and/or post-dilution ratio that can be modified during the treatment

Blood Pump Ramp: when enabled, this function slowly increases blood flow rate during the first nine seconds of treatment to achieve the desired settings

Coloured LED lights above the scales for direction during set up, treatment and alarm management

Optional accessories

Auto-Effluent (AE) Drain Accessory alternately fills the auto-effluent bags and empties them into a drain, eliminating the need for manual draining or effluent bag changes during therapy

TherMax blood warmer integrates directly with the **PrisMax** system to deliver high-efficient blood warming for a range of therapies
Electrical data
Supply: 100–240 VAC, 50–60 Hz
Power consumption: <350VA

External connections

Serial ports (three RS-232 ports: service, blood warmer communications, remote alarm/nurse call port 2)
RJ-45 Ethernet port
USB 1.0
Remote alarm (nurse call)

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