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, CVWH PRE and/or POST, CVWHD, CWVHDF 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 (CVWHD treatment), (When battery is charging) 60 VA nominal operation

### Flow rate ranges*

<table>
<thead>
<tr>
<th>Flow rate range</th>
<th>Increment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood</td>
<td>10 to 450 ml/min</td>
</tr>
<tr>
<td>Replacement</td>
<td>0 to 8000 ml/h</td>
</tr>
<tr>
<td>Dialysate</td>
<td>0 to 8000 ml/h</td>
</tr>
<tr>
<td>Pre-blood pump (PBP)</td>
<td>0, 10 to 4000 ml/h</td>
</tr>
<tr>
<td>Patient fluid removal</td>
<td>0, 10 to 2000 ml/h</td>
</tr>
</tbody>
</table>

* 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
  - Increment: 0.1 ml/h
  - Bolus volume range: 0.5 to 5 ml

### Regional Citrate-Calcium syringe pump anticoagulation method:
- Syringe size: 50 ml
- Calcium concentration range: 80–1000 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 >90 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 (PFRR) 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)