PHOENIX X36
Hemodialysis System
Flexible HD and Easy to Use — A System Built for Clinicians
PHOENIX X36
The PHOENIX Hemodialysis System

The PHOENIX X36 Hemodialysis Delivery System is intended to be used to provide high-flux and low-flux hemodialysis, hemofiltration, and ultrafiltration on patients weighing 15 kg or more. With features such as real-time Kt/V monitoring through the DIASCAN Monitoring System, compensated blood flow, full-color touch screen, and sodium and UF profiling, the PHOENIX X36 Hemodialysis System is designed to help provide effective hemodialysis therapy.

**Multiple automatic features**
- Machine safety tests at the beginning of each treatment
- Safety tests performed every morning
- Calibration of the UF system performed during treatment
- Testing of the DIACLEAR Ultrafilter Membrane

**Clinical tools designed to assist patient monitoring**

**Compensated Blood Flow**
- Actual blood flow compensated for the negative arterial pressure
- An accuracy of +/-10% of blood flow to pump speed*

**DIASCAN Monitoring System**
- Ionic Clearance and Plasma Conductivity measured during the treatment
- Forecast Kt/V delivers information on status during treatment
- Ability to compare previous patient treatments to assess dialysis efficacy
- Potential blood circuit issues can be monitored by comparing Ionic Clearance and blood flow
- Automatically calibrated every day

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* In double needle mode, if the pressure before the pump, given by the pressure in the arterial chamber of the cartridge, is higher than -150 mmHg.
BICART Cartridge
• Online preparation of sodium bicarbonate solution
• BICART Cartridges come in 2 sizes
• BICART Cartridges can be reused within 24 hours

Cartridge Blood Set
• Non-invasive system
• Compact bloodline
• Low extracorporeal blood volume: 103 mL
• Sterilized by gamma radiation

WHO Device - Waste Handling Option
• Functionally integrated into the Cartridge Blood Set
• Priming fluids go directly to the drain
• No priming bucket required

IT Connectivity
• Standard Ethernet network connection
• Connects to electronic medical record
• Integrates with patient prescription downloads with the EXALIS Dialysis Management Tool
Baxter Global Services (BGS) is a nationwide service provider for all Baxter products.

BGS has a strong tradition of providing exceptional service to our customers by helping them comply with local, state, and federal guidelines in respect to maintenance of medical devices. BGS certified field service reps are strategically located throughout the country to quickly respond to your service needs. Every PHOENIX X36 Hemodialysis System comes with a standard 12-month warranty, but to help maximize the product’s life and reduce down time, BGS offers a variety of service options to meet your needs.

**Gold Partnership**

It’s a comprehensive program that keeps your product maintained to current manufacturer’s specifications. Using computerized scheduled maintenance, original manufacturer’s parts, and geographically placed certified technicians with certified test equipment, your machine performance is maintained at a fixed cost. This program provides:

- Solutions at a fixed cost
- Reduced downtime of machines
- No unforeseen equipment repair costs

**Includes:**

- Parts, labor, and travel
- One preventative maintenance per year per product
- Regulatory documentation
- Manufacturer’s parts
- 4-hour call response
- Most repairs completed within 24-72 hours

**Silver Partnership**

This is a multi-level contract-based program. The program uses the customer’s Baxter Certified staff to provide first look and minor repairs with the support of Baxter’s technical phone team. Our BGS staff provides additional on-site support for more advanced issues and preventative maintenance.

**Includes:**

- Parts, labor, and travel
- One preventative maintenance per year per product
- Regulatory documentation
- Manufacturer’s parts
- 4-hour call response
- Most repairs completed within 24-72 hours

**Bronze Partnership**

The Bronze Partnership focuses on the annual preventative maintenance needed for machines each year and is designed to assist the clinic with overall operational effectiveness.

**Includes:**

- One preventative maintenance per year per product
- Regulatory documentation
# PHOENIX X36 Hemodialysis System Specifications

## Physical Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>56.7 in without IV pole</td>
</tr>
<tr>
<td>Width</td>
<td>24 in</td>
</tr>
<tr>
<td>Depth of base</td>
<td>27.9 in</td>
</tr>
<tr>
<td>Footprint</td>
<td>671.3 in²</td>
</tr>
<tr>
<td>Footprint with back shelf</td>
<td>879.3 in²</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>264.5 lb (120 kg)</td>
</tr>
</tbody>
</table>

## Electrical Power Supply Requirements

115 V ±10%, 60 Hz, 16 A (12 A without heat disinfection) or 230/240 V ±10%, 50/60 Hz, 10 A

## Water Supply Requirements

Refer to both local and AAMI standards for water quality
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure</td>
<td>14.5 to 87 psig (100 to 600 kPa)</td>
</tr>
<tr>
<td>Flow</td>
<td>1.1 L/min</td>
</tr>
<tr>
<td>Temperature</td>
<td>50°F to 90°F (10°C to 32.2°C)</td>
</tr>
</tbody>
</table>

## Drain

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum height above floor level</td>
<td>39.4 in (1 m)</td>
</tr>
<tr>
<td>Maximum distance to drain</td>
<td>118.1 in (3 m)</td>
</tr>
<tr>
<td>Flow</td>
<td>1.1 L/min maximum</td>
</tr>
<tr>
<td>Temperature</td>
<td>203°F max (+95°C max)</td>
</tr>
</tbody>
</table>

## Blood Handling

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood Flow</td>
<td>10 to 530 mL/min</td>
</tr>
<tr>
<td>Non-invasive pressure monitoring</td>
<td></td>
</tr>
<tr>
<td>Single Needle option available</td>
<td></td>
</tr>
<tr>
<td>Heparin pump 0.0/0.5 to 10.0 mL/h linear infusion rates; delivery also by automatic or manual bolus</td>
<td></td>
</tr>
<tr>
<td>Can accommodate 10, 20, and 30 mL syringes</td>
<td></td>
</tr>
<tr>
<td>Ultrasonic Air Bubble Detector can detect bubbles as small as 20 μL</td>
<td></td>
</tr>
<tr>
<td>Blood Leak Detector: infrared light detector</td>
<td></td>
</tr>
</tbody>
</table>

## Ultrafiltration Rate

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>0.0 to 4.0 kg/h</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±2%</td>
</tr>
<tr>
<td>Maximum Total</td>
<td>30 kg, to be obtained in a linear treatment time of up to 8 hours</td>
</tr>
<tr>
<td>Programmable Target Weight Loss</td>
<td></td>
</tr>
</tbody>
</table>

## Included Features

- Arterial and Venous Pressure Monitoring
- Color Touch Screen
- DIASCAN Monitoring System
- Compensated Blood Flow
- UF and Sodium Profiling
- Blood Pressure Monitoring
- BICART Cartridge Holder
- DIACLEAR Ultrafilter Holder
- Central Concentrate Connection
- pH Probe
- Ethernet Port Standard

## Options

- Battery Backup Kit
- Single Needle
Rx Only. For safe and proper use of the device mentioned herein, please refer to the Instructions for Use or Operator’s Manual

References