### Hemodialysis System Features

#### Advanced Technical Support & Maintenance Mode (TSM)
- Allows technician to test internal components
- May reduce troubleshooting and preventive maintenance time
- Provides Service History Information
- Graphical display provides overview of sub-system components
- Configuration screen allows technician to set default treatment values and modes

#### Advancement in Technology
- Convenient circuit board placement
- Access to internal components
- Dual control system designed to provide redundancy and security
- Heat exchanger and heating system for improved power efficiency

#### Technical Data

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical size of machine</td>
<td>60 in. H x 20 in. W x 25 in. D</td>
</tr>
<tr>
<td>Dialysate Temperature Range</td>
<td>33 - 40°C</td>
</tr>
<tr>
<td>Conductivity Range</td>
<td>12.5 - 16 mS/cm</td>
</tr>
<tr>
<td>Dialysate Flow Range</td>
<td>300 - 800 ml/hr</td>
</tr>
<tr>
<td>Ultrafiltration Range</td>
<td>0 - 4,000 ml/hr</td>
</tr>
<tr>
<td>Extracorporeal Circuit Blood Flow Range</td>
<td>50 - 600 ml/min</td>
</tr>
<tr>
<td>Venous Pressure Range</td>
<td>-400 - +400 mmHg</td>
</tr>
<tr>
<td>Pressures</td>
<td>Pre- or Post-pump monitoring</td>
</tr>
<tr>
<td>Arterial Pulsation</td>
<td>-400 - +900 mmHg</td>
</tr>
</tbody>
</table>

#### Disinfection Cycles
- Chemical, Thermal, Decalcification, Citric/Thermal Cycles with programmable dwell times and user-definable short programs. Concentrate wands are loaded into machine and disinfected during the selected cycle.

#### Interface Characteristics
- High Resolution (2048 x 768) Touch Screen with off screen Hard Keys.
- On-screen HELP Functions
- Automatic Dialyzer Rinsing Program
- On-line Trending Graphs
- On-line Technical Data

#### Defining Features
- User-definable Profiles for UF, Na, Bicarb, Dialysate Flow, Temperature, and Heparin Parameters can all be profiled.
- Tuition: 38 Pre-set Profiles
- Temperature: Linear, Exponential
- Dialysate Flow: User-definable, Linear, Exponential
- Conductivity: User-definable, Linear, Exponential
- Blood Flow: 50 - 600 ml/min
- Venous Pressure: -400 - +400 mmHg
- Ultrafiltration: 0 - 4,000 ml/hr
- Temperature: 33 - 40°C
- Arterial Pressure: Pre- or Post-pump monitoring

#### Event Timers
- An individualized event, such as a time to give patient medication, can be programmed to sound a reminder alarm during treatment.

#### Call History of Trend Data
- Graphical representation of different parameters of therapy course. Can hold up to 20 previous treatments.

#### List of Stored Adimea™ Curves
- Stores data for up to 12 therapies with the patient card reader, and up to 50 therapies with auto on/off timer. Can hold up to 20 previous treatments.

#### Profiling Capability
- Stores data for up to 12 therapies without the patient card reader.

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#### Auto On and Off
- Dialysis can be programmed to automatically turn on and start pre-programmed selections such as the disinfection cycle mode and start preparation mode for therapy.

#### Technical Overview
- An overview of machine’s sensors, measuring devices, and valves is available in real-time. This allows the technician to troubleshoot possible machine issues while the problem is actually occurring. This screen is designed to allow for effective phone support.

#### Icon Based Machine Operation
- Stand by Mode
  - Stops dialysate flow at the end of preparation to prevent waste of water and concentrates. Particularly useful when a patient is not immediately ready for treatment.
- Technical Overview
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Diacap® Ultra Filter produces highly pure dialysate to reduce the risk of contaminated dialysis fluid and its associated complications. Diacap® Ultra is the recommended dialysate filter for use on the Dialog machine.

Automatic Blood Pressure Measurement (ABPM)

The ABPM in the Dialog system can measure blood pressure during inflation which may add to a patient’s comfort during therapy.

Quieter Machine

The Dialog+ Hemodialysis System is equipped in the following way to help reduce sound emissions:

- Pumps are mounted on rubber brackets.
- Machine fan does not cycle during treatment; only during disinfection cycles.

Reducing sound emission provides a more quiet environment for both the patient and the dialysis staff during treatment.

Patient care begins with Dialog+®