

# TOR's / Specifications of Dialysis Machine

|            |                                    | OGDCL Required Specification  |
|------------|------------------------------------|---|
| S.NO<br>01 | Description<br>HEMODIALYSIS SYSTEM | <p><b>Features:</b><br/> <b>Performance (Optional/functional).</b></p> <ul style="list-style-type: none"> <li>• Bicarbonate or acetate dialysis</li> <li>• Single-needle or single-needle click-click</li> <li>• Ultrafiltration and sodium profiles</li> <li>• Isolated ultrafiltration / Barnstorm treatment</li> </ul> <p><b>USER FIENDLY INTERFACE</b></p> <ul style="list-style-type: none"> <li>• Treatment settings data can be stored up to 16 patients eliminating the need to input data every time.</li> <li>• Large graphic display for easy operation.</li> </ul> <p><b>SAFETY</b></p> <ul style="list-style-type: none"> <li>• Cortinuous monitoring of pump and valves at treatment.</li> <li>• Self-test of extra corporeal blood circuit, hydraulic circuit, and CPU system before starting treatment.</li> <li>• Detectors for blood, air bubble and blood tubing lines.</li> </ul> <p><b>EASY MAINTAINENCE</b></p> <ul style="list-style-type: none"> <li>• flow diagram for checking the function of each part of the hydraulic circuit.</li> <li>• Machine and treatment history data.</li> </ul> <p><b>EQUIPMENT SPECIFICATIONS</b></p> <p>Dimensions - height: 137 cm<br/> Width: 48 cm<br/> Depth: 48 cm</p> <p>Weight - Standard system approximately 80kg system with all options Approximately 86 Kg.</p> <p>Power Supply - AC (single phase) 110 V- 15A-6Hz, 220 to 230 v, 63 Hz, 9 A</p> <p>Water Supply - water inlet pressure 1.5-6.0 bar<br/> Temperature: 5 °C to 30 °C.</p> <p>Dialysate flow rate(QD) - Max drain height 1m.<br/> 0-300-500-800 mL/min</p> <p>Dialysis Temperature - Setting Range 35 °C to 39 °C.</p> <p>Dialysis Conductivity - Total Conductivity:<br/> Setting Range: 12.8 to 15.7 mS/cm.<br/> Accuracy <u>+ 0.1</u> mS/cm</p> |

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|--|---|--|
| Disinfection Method  | - | Chemical, Heat, or citric acid/heat.   |
| UF control system  | - | UF rate setting range: 0 ml/H to 4000ml/H.<br>Accuracy: +/- 1%   |
| Blood pump   | - | flow rate setting range: 15 to 600 ml/min in 8mm blood line systems.<br>Accuracy: +/- 10%  |
| Air Detector   | - | by ultrasound transmission, additional optical monitoring Venus clamp.<br>Normal bubbles: 0.02 ml<br>Micro bubbles (blood Air mixture): 0.0003 ml.<br>sensitivity: 0.5 ml blood/min(Hct=25) at max. flow 800 ml/min. |
| Blood leak detector  | - |  |
| <b>MONITORING DISPLAY SPECIFICATIONS (MEASUREMENT RANGE)</b> |   |  |
| Venous Pressure  | - | -60mmHg to +520 mmHg   |
| TMP  | - | -100 to +600mmHg   |
| Dialysis Pressure  | - | -600 to +600 mmHg OR equivalent  |

  
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