

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Cardiac Surgery
Generic Name	Hypo Hyper Thermia Unit
Clinical Purpose	Hypo Hyper Thermia unit is used for temperature control (Hot & Cold) of patient during cardiac surgery.
TECHNICAL SPECIFICATIONS	
<p>The Hyper hypothermia unit designed to supply temperature controlled water to oxygenator heat exchangers and cooling blankets.</p> <p>The feed water temperature selected on a temperature controller in the range 5-40 °C</p> <p>One/ Two external circuits can be connected each with its own flow control</p> <p>The flow is maintained by a built in pump</p> <p>The temperature control is obtained by a three way motor valve</p> <p>Selecting water from a cooling or a heating vessel as required,</p> <p>In the cooling vessel a temperature of +2 °C is constantly maintained by a refrigeration system</p> <p>Heating vessel contains an electrical heater which is automatically switched, as and when required.</p> <p>Hermaticall sealed compressor ½ HP.</p> <p>Temperature accuracy: +/-0.5 deg/ C.</p> <p>Initial cooling capacity 2100 kj/h (500 Kcal/h)</p> <p>Continuous cooling cap 2800 kj/h (670 Kcal/h)</p> <p>Circulating system: Pump</p> <p>Flow capacity (Total) 10-16 liters/min</p>	
<p>Accessories:</p> <p>System should be complete with all standard accessories</p>	
<p>Optional (if any):</p> <p>Blankets</p>	

APPROVED PVMS