

**PVMS OF MEDICAL EQUIPMENT**

<b>Clinical Specialty</b>	Cardiac Surgery
<b>Generic Name</b>	<b>Hypo Hyper Thermia Unit</b>
<b>Clinical Purpose</b>	Hypo Hyper Thermia unit is used for temperature control (Hot & Cold) of patient during cardiac surgery.

**TECHNICAL SPECIFICATIONS**

The Hyper hypothermia unit designed to supply temperature controlled water to oxygenator heat exchangers and cooling blankets.

The feed water temperature selected on a temperature controller in the range 5-40 °C

One/ Two external circuits can be connected each with its own flow control

The flow is maintained by a built in pump

The temperature control is obtained by a three way motor valve

Selecting water from a cooling or a heating vessel as required,

In the cooling vessel a temperature of +2 °C is constantly maintained by a refrigeration system

Heating vessel contains an electrical heater which is automatically switched, as and when required.

Hermetically sealed compressor ½ HP.

Temperature accuracy: +/-0.5 deg/ C.

Initial cooling capacity 2100 kj/h (500 Kcal/h)

Continuous cooling cap 2800 kj/h (670 Kcal/h)

Circulating system: Pump

Flow capacity (Total) 10-16 liters/min

**Accessories:**

System should be complete with all standard accessories

Optional (if any):

Blankets

*J. H.S.*