

Permission to print:	Yes
Category	Heater Cooler unit
Near Miss or Accident	Accident
Type of incident:	Equipment
Knowledge Error	Yes
Rule Error	Yes
Skill Error	No
Violation	No

Description: A heater cooler unit was serviced by Biomed. Upon return to service, CPB was initiated with a patient. Everything was "OK" according to our checklist. Upon commencement of cold cardioplegia, it was noted that temperature increased to 40. After several procedures to purge the water lines (first suspect airlock) the CPS (Cardioplegia System) system started to cool. The temperature of less than 16 could not be achieved. The machine failure was diagnosed and unit replaced during case.

Contributing factors: The circuit board wiring within the heater cooler unit was reversed by Biomed by accident. Therefore, the cold circuit was displayed as warm and the warm circuit as cold.

Corrective action: The machine malfunction was diagnosed and unit replaced immediately.

Preventative action plan: To ensure a Pre-CPB hands on test (i.e touch CPS unit) to see if it is cold.

Manufacturer advised:	Yes
Discussed with team:	Yes
Ext Authority Advised	No
Hospital incident filed:	No
Patient outcome variance	Nil