

Complete Water Management

Many manufacturing companies use chilled water to cool production equipment. This is a critical process and disruption to this can have severe consequences.

To aid companies in preparation for unplanned shortfalls and chiller breakdowns, **ICS** with our manufacturing company **Tricool Thermal** can manage water flow from any chiller and re-direct water flow to any 1, 2 or 3 processes.

Water Flow Management

Working closely with a CT Scanner manufacturer **ICS** have designed an application specific water changeover panel designed for both automatic management of water flow and manual control.

The manual version allows the operator to open or close off any line allowing chilled water to be re-directed from a connected water chiller to any scanner unit.

Automatic versions can be set up in a number of configurations for example a system may be set up for a x2 scanner and x2 chiller arrangement. The water changeover panel is connected electrically to the chillers, should a fault occur, a signal is sent from the chiller to re-direct water flow keeping both scanners in operation causing minimal disruption to the production or process.

A signal is also sent to the operator to schedule maintenance on the unit to resolve the issue.

Minimal Disruption

For both the manual and automatic versions disruption to the process is minimised as the water flow is split to serve multiple processes while repairs are carried out or replacement chillers sourced.

While water flow is split processes can not run at full power but this set up will enable continued operation.



Typical arrangement of an automatic changeover panel shown above



Typical arrangement of an open framed manual changeover panel shown above



Connection pipework for the manual changeover panel with a protective safety step

Key Benefits

The key benefits of water flow management are to accommodate the likelihood of a chiller malfunction and have a procedure in place to support the process using chilled water from another system while repairs are actioned.

Project Support

Working with **ICS** on projects such as these offers the added benefit of project support and installation.

For the CT Scanner example previously mentioned ICS supplied and fitted the flow and return pipework managing all pipework placement, isolation valves, flexible connections, stainless steel pipework thermal insulation and electrical work, as well as complete pressure testing and support frames to take the additional weight of the changeover panel.

Nationwide Support

ICS offer complete nationwide support and service operations to resolve all of your temperature requirements.

Please call us free on **0800 169 3861** for an emergency visit or to find out more.

Alternatively please call us on one of the local numbers below.

