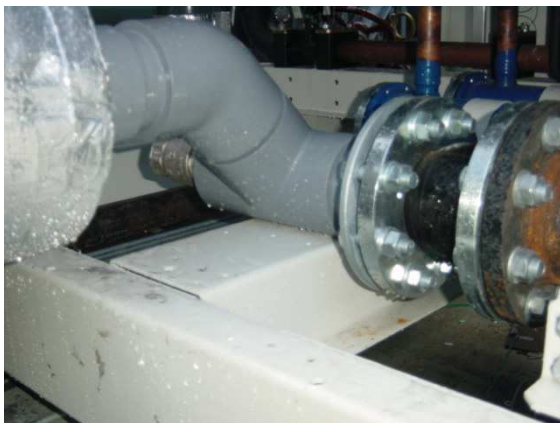


DESIGN POOR PRACTICE – Clearance around CHW brackets

Poor design of the pipework system around brackets and unistrut framework on a Chilled Water system means that clearance for the insulation is insufficient and unless the insulation thickness can be applied to the manufacturers specification, a vapour seal cannot be achieved and the system will continuously cause condensation “sweating” and corrosion.



- However good the workmanship, any attempt to create a vapour seal around the pipework / fitting is futile and a cold bridge forms causing condensation & therefore corrosion will occur.
- The efficiency of the Chiller Unit will be affected (causing energy loss) as the chiller will be over compensating for the lost “cold” around the affected area.
- The cold bridge allows moisture into the vapour-sealed system and can cause extensive corrosion requiring remedial / replacement works.
- If Design Engineers were to liaise with the insulation contractor at early design stage, these issues could be designed out and increase the efficiency of plant and reduce issues on-site which cost time & money.

For Further Information Contact

Jason Riddell of Green Contract Services on 01270 760379