



Chilled Water Stainless Steel Low Loss Headers

As part of a R22 chiller replacement programme, the existing chilled water infrastructure was also upgraded in part, including the incorporation of low loss headers.

Stainless steel headers were installed in lieu of mild steel with typical sizes of 450mm diameter and 600mm diameter.



The main benefits of using 3mm thin wall grade 304 stainless steel are the material and labour cost savings, lighter in weight and the speed of installation time, compared to mild steel.

In addition to the use of this thin wall stainless steel, the headers were also pre-fabricated off site in an established fabrication shop specialising in stainless steel. These were assembled and pressure tested prior to delivery to site for installation.

Typically the cost savings associated with this were approximately between 15 – 20% cheaper than mild steel equivalent.

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DBP00165