

The Residence

Kershaw Drive

Lancaster, Lancashire

pure water
ENVIRONMENTAL SERVICES LTD

Project overview

The Residence formally known as Lancaster Moor Hospital was originally built in 1882 and closed its doors in 2000.

In 2014 the grade II listed building was converted into luxury apartments.

When the conversion started a sectional tank was installed within the basement of this building which served all the boosted cold water to the apartments.

Purewater Environmental Services Ltd were asked by Aquatronic Group Management Ltd replace the end-of-life GRP sectional water storage tank.



Removal

Water storage requirements

The existing water storage tank had a nominal capacity of 20,000 litres and after long discussions with site it was deemed that they could not reduce the storage capacity of the tank, meaning Purewater Environmental Services Ltd needed to replace the existing tank with one of the same capacity.



Tank 1

Case Study

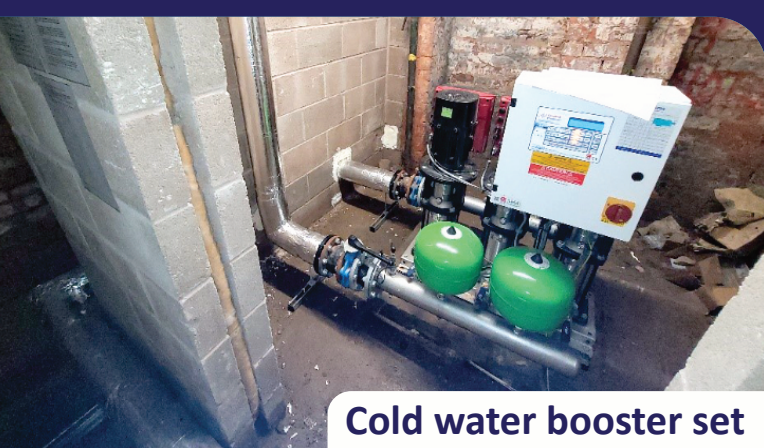


Tank 2

Project timescale

From the first initial site visit to the week of stripping out the old end of life tank, to installing 2 new GRP Sectional water storage tanks, this project was completed within 2 months.

Insulated pipework



Cold water booster set

Challenges and obstacles

Due to the apartments being fully occupied Purewater Environmental Services Ltd had to provide a solution which maintained a constant water supply for the duration of the works.

Purewater Environmental Services Ltd decided to install the first PW.2.5x2x2m tank in a vacant room adjacent to the booster set, once installed this tank was piped up to the mains connection and outlet to the booster set, cleaned and disinfected and placed online.

This then enabled us to isolate the existing tank, drain down, disconnect and remove the old sectional tank then replace it with a second PW.2.5x2x2m tank.

Once the second tank was installed it was connected up to the mains and the outlet joined onto the outlet pipework to create a manifold into the booster set, clean and disinfected and placed online.

All new pipework was foil insulated and labelled correctly.

Products Installed

2 No GRP Sectional water storage tanks

IFB (Internally flanged base)

2 No PW.2.5x2x2m high

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Key partners

Aquatronic Group Management Ltd

Purewater Storage Ltd