Case Study

The Project:
3 bed farm cottage

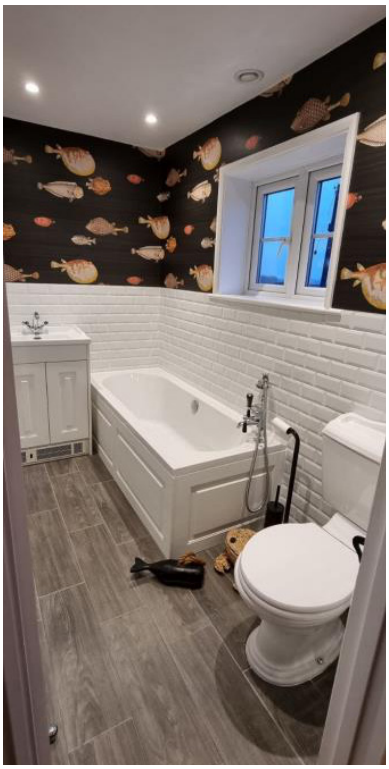
Product Installed:
KPH-1400 LVDC

The Detail:

Existing bathroom had only a towel rail as heating provision and was open to hallway mostly. This struggled to get the bathroom to a comfortable temperature and also took up a lot of space.

The property owner was undergoing a complete redesign of the room. This content is from the owner in his words :

So, after a few years of restoring many rooms in my cottage, it was time to look at the 1st floor bathroom. This was a difficult one and required a bit planning and research, due to the size and available space. One of the main issues was the existing towel/radiator which was far too large for the room and didn't produce much heat !



Previous Heating:
Single Towel Rail central heating type (See Photo below)

The Solution:
Kitchen plinth heater – **KPH-1400 LVDC**

I was looking for a solution that heated the bathroom efficiently but was also sleek in terms of footprint and didn't take up valuable space which I needed to fit in a reasonable 3-piece suit for the family to use.

After a few hours of research online I came across Thermix who manufacturer low voltage plinth heaters. After a few correspondences with them around suitability and dimensions, the plan was coming together.

I had contemplated a plinth heater as it could mount discreetly at the empty space at the bottom of the vanity unit but knew it couldn't be an electric one, or a mains voltage, due to the placement. However, the low voltage unit from Thermix, appeared to tick all the boxes.

I had the old radiator circuit too which would just need a little adjusting re-routing to the back of the vanity unit. Overall, this appeared to be quite a neat and simple solution.

The vanity unit I ordered from Victoria Plumbing had a plinth the perfect size, this meant after studying the dimensions from Thermix I could cut a letterbox type opening, mounting the unit and the front grill would sit perfectly in the space.

The unit arrived promptly and was well packaged and once opened the unit looked well made.

The installation of the unit was simple, once the plinth had been cut and strengthened the unit slotted straight in. I used flexi hoses from the radiator valves which allowed me to easily remove the unit for cleaning etc. In terms of bleeding, the unit has a bleed screw conveniently located on the front which is easily accessible once you remove the front grill. However, mine didn't need bleeding when I run it up.

In terms of running, it's very quiet in operation, you know its on but its acceptable and quiet enough when relaxing in a bath!

I am extremely pleased with the end result; it not only delivers more than enough heat in the bathroom, but its quality and general operation is slick, and it looks the part.

Certainly a whole lot better than the previous towel radiator!

Product Suitability:

With low water content and faster response allows the heater to operate with condensing boilers, Air-source heat pump, Ground source heat pump.

Power supply 230V to DC power supply.

Heat output of 1400 watts @ Normal speed 12v dc (Based on entering water temperature of 75°C).

Max. Operating pressure : 6 bar

Pipe connection size: 15mm

Product Body Dimensions: 370 mm x 205mm x 96mm (L x D x H)

Front Grille Dimensions : 500 mm x 100 mm (W x H)

Minimum clearance of 20mm between top of product and underside of shelving required allow 50mm behind the unit for water pipe connection.

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