

CASE STUDY

SMAX Hot Water Heat Pump

Powerscourt Distillery and Visitor Centre

Client Objective:

Powerscourt Distillery and Visitor Centre is a working Whiskey Distillery producing the award winning Fercullen Whiskey. As part of the sustainability requirements for the project the client wanted to reduce waste and costs and also utilise the heat created by the production process.

Solution:

Kronoterm SMAX – Commercial Hot Water Heat Pump

The SMAX hot water heat pump was an easy choice for the client as it is a very straight forward installation with instant benefits. The SMAX is a hot water heat pump which heats 450L of water to 55 DegC as standard. (Temperatures of 80 DegC are available from this unit.) This provides over 550L of useable hot water form one tank so is perfect for commercial and leisure applications.

Although not used in Powerscourt the SMAX also comes with a 22kW heating coil which can be heated by an external heat source such as a Gas/Oil Boiler to cater for periods of high demand.

Low costs but highly sustainable.

The SMAX is extremely efficient with a COP of 390% using the ambient air that contains heat from the whiskey production process. This means very low energy use, running costs and Carbon emissions. Built by Kronoterm, a specialist heat pump manufacturer, the SMAX is a premium product which makes



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|  <p>EASY INSTALLATION</p> |  <p>SAVING UP TO 70% HEATING COSTS</p> |  <p>REMOTE MANAGEMENT</p> |  <p>MAX VOLUME</p> |
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