

FORECOURT—LEICESTER



SPAR Petrol Forecourt Install HEAT RECOVERY SYSTEM to provide FREE HOT WATER for Costa and Subway

A SPAR petrol forecourt in Leicester has installed a DK Heat Recovery system connected to a Daikin CVP system. The system provides all the hot water needs for the busy SUBWAY and COSTA outlets in addition to the rest and staff facilities.

The system the smallest one DK Heat supplies has a 50 litre storage capacity with a 3kW internal heat exchanger which is capable of recharging the tank every 50 minutes. The heat exchanger is double twin wall design which ensures that even in a failure situation that the refrigerant and water can never come into contact with one another. This is a legal requirement under EN1717 for any business handling food

The system is simplicity itself, maintenance free, having no moving parts it is highly efficient due to the innovative design of the heat exchangers that can remove up to 100% of the energy produced by the refrigeration plant.

The system was fitted with an optional heat meter that monitors the real time hot water usage giving SPAR accurate details of the cost savings the system is delivering



The annual energy saving for providing the 384,000 litre of free hot water is over **18,600 kWh**

The annual cost saving is over **£2000** per annum giving a payback of under two years.

SPAR can now also boast a reduction in its carbon footprint of **10 tonnes of carbon a year**

