

LPG



Smarter Energy Solutions

Greyabbey
Dairy Farm

Wherever you are



“Since installing Flogas water heating our milking routine has been transformed. On-demand access to instant hot water means washing milk lines, feeding calves and preparing colostrum is much easier. Thanks Flogas!”

Kenneth Angus





Greyabbey Dairy Farm

The Challenge

Kenneth Angus, a farmer based in Greyabbey on the Ards Peninsula is a 5th Generation farmer who moved into dairy farming back in November 2014. With 100 milking cows currently on the farm, Kenneth uses large volumes of hot water to wash down the milking parlour & storage tank twice a day. A reliable hot water supply is vital for the effective cleaning of milk lines and storage tanks as well as controlling the Total Bacteria Count (TBC) of the milk produced, but Kenneth struggled to get the hot water to the correct temperature when heating the water with electric, thus affecting his TBC count.

The Flogas Solution

Having seen our advertisement about hot water solutions for dairy farmers, Kenneth contacted Flogas to arrange a farm visit with local Flogas area sales executive, Craig Johnston. During the farm survey, it was discovered that the mains water pressure would not be strong enough to supply the LPG water heater. However, along with Gas Safe Registered installer Cathal McShane of CMS Gas Services, a suitable solution was outlined to Kenneth that would resolve this problem and allow him to benefit from the cost savings associated with the Flogas hot water solution.

Alongside the installation of a Greenspring Water heater from Worcester Bosch which was installed & piped to a Flogas LPG tank, a water storage tank with a pump was also



installed to resolve the water pressure issue. The water storage tank had time to fill with a sufficient volume of water from the mains water supply between washes, and when required this was automatically pumped to the water heater with enough pressure to allow it to operate effectively.

The new heating system provides on demand hot water at whatever temperature is required, determined by an easy to use temperature controller that allows the water to be heated from anywhere between 37°C to 84°C. The water heater is designed to heat up to a maximum of 84°C, effectively killing any bacteria. Kenneth has seen a vast improvement in his TBC count over the period and is hoping to reduce his washdowns from twice daily to once daily.

While one heater can produce up to 140 litres of hot water in 10 minutes, the Greenspring Water heater can be installed in multiple cascades of up to 12 units to deliver higher volumes of hot water where required.



Want to find out more?

If your current system is not providing you with the level of service you require and contributing to high bills, call Flogas for your free on-site survey and quotation for a new system tailored to your Dairy Farm. We will analyse your existing energy costs and outline the savings and benefits you'll enjoy by converting to Flogas LPG.

“We were delighted to provide Kenneth with a tailored energy solution that both solved the water pressure issue while simultaneously delivering consistently hot water for his farming requirements. Kenneth has seen his lowest TBC reading to date following the installation of the new Flogas system, testament to the effectiveness of using LPG to heat hot water on the farm”

Craig Johnston



Results

On demand hot water FAST – up to **140 litres of hot water** at 84°C in ten minutes.

Increased control over water temperatures – from 37°C to 84°C via a controller.

Increased efficiency and significantly **reduced running costs.**

No hot water storage costs throughout the day and night.

Reduced carbon footprint and full control of the amount of hot water that is used.



Contact Flogas for a free farm visit

To quote the savings that will be made (Energy Survey)
To carry out a tank location assessment
To draw up a proposal and pricing

Flogas Dublin

Building 2, 3rd & 4th
Floor,

**The Green,
Dublin Airport
Central,
Dublin Airport,
Swords,
Co. Dublin,
K67 E2H3**

t 041 9831041

e info@flogas.ie

w flogas.ie/dairy

Flogas Belfast

Airport Road West
Belfast Harbour Estate
Belfast BT3 9ED
Northern Ireland

t 028 90732611

e dairy@flogasni.com

w flogasni.com/dairy



FlogasIreland