



Island Farm Robotic Milking

The Challenge

Just outside the village of Kilmuckridge in Co. Wexford lies one of the most innovative and progressive dairy farms in Ireland.

At Island farm, James, Allyson and son Andrew manage a herd of 80 Holstein-Friesians and seek to push the boundaries of what can be achieved in the industry. The farm has come a long way since James' great-grandfather, George Walsh, bought the farm in 1870, and the Walsh family are constantly seeking new and innovative ways to manage the business, most recently with their new robotic milking system.

While the robotic system had automated many aspects of the milking process, the farm desperately lacked an efficient and convenient system to meet the

demand for a consistent supply of hot water. The Walsh family had been using the electricity night rate tariff to heat its immersion tank but it was now taking up to seven hours to do so. It was an increasingly impractical method of cleaning the 6,000 litre milk tank and washing down the milking parlour as well as having enough hot water left over for other necessary cleaning duties.

The Flogas Solution

James then met with Flogas sales executive David Conroy and registered gas installer Mark Murphy to find out the advantages of the Flogas Dairy water heating system. David and Mark then concluded that the installation of a 56kW Andrews FASTflo heater had the potential to produce up to 15 litres of hot water a minute (depending on water pressure at

the farm), powered by a Flogas LPG bulk tank sited nearby. Plus, an **easy to use temperature controller** allowed the water to be heated from anywhere between **37°C to 80°C**.

The instant hot water would then be piped directly into the robotic system, towards the milk storage tank and to a hose for any additional cleaning duties. In addition, the heater's auto-ignition system would enable James to completely eliminate the hot water storage and re-heating costs that were such an issue with his previous system.

Seamless Changeover Process

The farm's robotic system marked new territory for Flogas, so Mark Murphy specified the installation of a single Andrews FASTflo heater with the Flogas bulk tank for an initial trial period that could produce 12L per minute (due to water pressure). It proved so successful that a second heater was installed shortly afterwards, and now the Flogas Dairy heating system can produce **24 litres of controllable hot water per minute**.



David Conroy (Flogas) and 3 generations of dairymen:
Andrew, James and George Walsh

You can also keep up to date with the innovations and exploits of Island Farm by visiting Thatsfarming.com where Andrew Walsh's My Grazing Week has become a must-read article for any farmer looking to stay one step ahead.

**Precise
temperatures
from 37-80 °C**



On demand hot water FAST – **168 litres of hot water** are available in just seven minutes with 2 FASTflo Systems

Increased Control over water temperatures – from **37°C to 80°C** via an easy-to-use wall control

Increased efficiency and significantly **reduced running costs** with no water storage costs throughout the day and night

Reduced Carbon Footprint and full control in a current climate of high waste water charges



“The move to Flogas has definitely benefited the health of our livestock, particularly the calves. It’s great peace of mind to be able to use as much hot water as we need at any time of day.”

James Walsh



Contact Flogas for free site visit

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

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FlogasIreland

LPG

A photograph of two men standing in a dairy farm next to a large, blue and silver robotic milking machine. The man on the left is wearing a dark blue long-sleeved shirt and is smiling. The man on the right is wearing a blue and red jumpsuit and has his arms crossed. The machine is a complex piece of equipment with a blue top and a silver body, featuring a control panel with a screen and various buttons. The background shows the interior of a dairy farm with metal structures and equipment.

Instant Hot Water for Dairy Farms

Island Farm
Robotic Milking

Wherever you are

