

Dairy Hygiene conference January 2024



INTRODUCTION TO HYBRID ECO GEYSER



Company Est. 2017



CLEAN

low carbon

**Hybrid
Eco
Geyser**

GREEN

Our Mission:

To provide sufficient hot water to fulfil all TEAGASC hygiene protocols for effective sterilization of bulk milk tank and milking machines in the absence of chlorine based detergents (which are now banned)

Our Product Range

DG1

DG2

DG3

Add-On
Systems



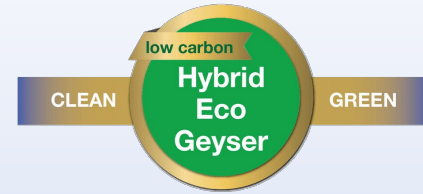
Temperature Assurance System
Rapid Delivery System

Our Philosophy

- Dairy Geyser is fully concentrated on the hygiene needs of a rapidly evolving dairy sector.
- We take our lead from the most up to date scientific knowledge available

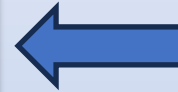


Current Hygiene Protocols



Current Protocols

- Hot wash with 9L of hot water per unit
- Heat water to 75-80°C
- dump water at end of circulation at 50 deg +
- Pre-rinse with warm water hugely advantageous



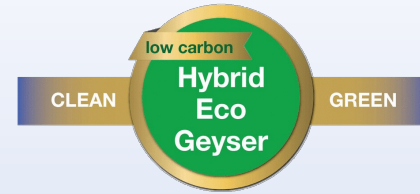
Dairy Geyser was designed to reach and exceed these protocols.



Traditional electric batch system cannot by their design deliver on these protocols

Benefits

- | | |
|---|--|
| <ul style="list-style-type: none">• Instant continual from ambient to 80°C• Now most eco friendly method for heating water to high temperatures• Essential to use high temperature water with chlorine free detergent | <ul style="list-style-type: none">• Easy installation and fast service• We guarantee 48 hour service and installation by a local plumber• Can be used for disease control ed cryptosporidium and yones disease |
|---|--|



Costs & Savings

**DG2 – Up to
50% Claim Back**

Cost €3650 + VAT

TAMS Grant = - €1350

VAT Reclaim = - €840

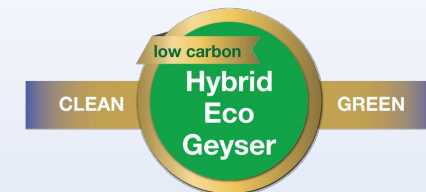
(Vat Registered)

Net Cost: €2299

SAVINGS!!!

**SAVE UP TO 75%
OF YOUR ANNUAL
WATER HEATING
COST**

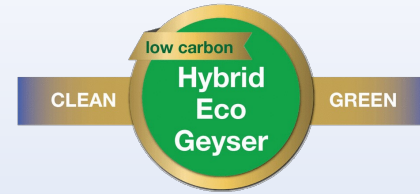
Green Credentials



**Dairy Geyser can now be 100% fuelled by HVO
(hydro-treated vegetable oil)**

What is HVO?

1. Low Carbon Biofuel from renewable and sustainable raw materials
2. Does not release any new carbon to the atmosphere
3. Stable for 10 years
4. High flashpoint making it extremely safe
5. Available in bulk countrywide
6. Completely biodegradable
7. No Modification to boiler needed



Hybrid Energy Fusion



Hybrid Energy Fusion

Design Compatible with Heat Recovery Systems or Solar Panels in the Future

Save up to 85% of your Hot Water Costs

And:

Reduce Emissions by 95% (when used with HVO and the above systems)



Dairy Industry in the Future

- Demand for healthier food produce
- Ireland exports the vast majority of its dairy produce
- Higher added value products

Dairy Geyser in the Future

- Hybrid eco geyser powered by HVO
 - Greenest method for heating large quantities of hot water to high temperatures.
- Methane gas boiler
 - Ready for use when methane infrastructure is economically viable
- Rapid download system
 - An add-on for larger dairy configurations of the future

We now welcome any questions on this presentation.

Thank you for your interest in Dairy Geyser!



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Dairy Geyser