

# ***DairyTherm***

*Specialists in hot water systems for Dairy Farms*



***Reduce electricity usage and reduce carbon emissions while saving money***

# ***DairyTherm***

## ***How Can We Help You?***

We understand that keeping costs down is essential to the success of your business.

We also understand that electricity consumption for water heating is a major cost to your business.

DairyTherm can provide you with a solution that can give you huge savings on your water heating costs, while also reducing your carbon emissions, with no capital outlay and where the cost of the system is paid for by the savings made.



***60 Point Rotary***

***Sound too good  
to be true?***

***Read on...***

# **DairyTherm**

## **The Problem...**

### **Electricity Prices**

*Electricity prices have risen 54% at the beginning of April with a further 80% in September.*

*Let Dairytherm reduce your electricity consumption and in doing so your electricity bill, whilst reducing your Carbon Footprint.*

### **Consumption of electricity on Dairy Farms**

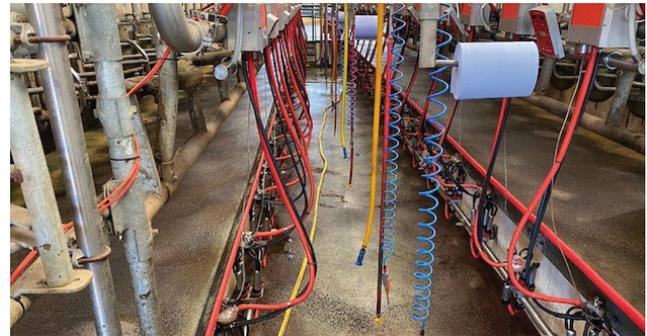
Dairy farms have two major costs of electricity; the heating of hot water and the cooling of milk.

***Water heating is our speciality.***

### **Carbon Emissions**

Farms were targeted recently by various groups about their carbon emissions, and this topic is becoming increasingly important to everyone.

Reducing your carbon footprint, while saving money is the way forward.



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## ***The Solution...***

### ***Aero-Thermal Hot Water System.***

We need to find ways of harnessing the energy that is all around us and inexhaustible in supply, without impacting the environment or costing a fortune.

The DairyTherm Aero-Thermal System does just that.

The system collects and recovers units of energy from the ambient atmosphere and using compression technology, increases their temperature to around 96 deg C. This heat is then transferred to your water, resulting in a hot water temperature of up to **90 deg C.**

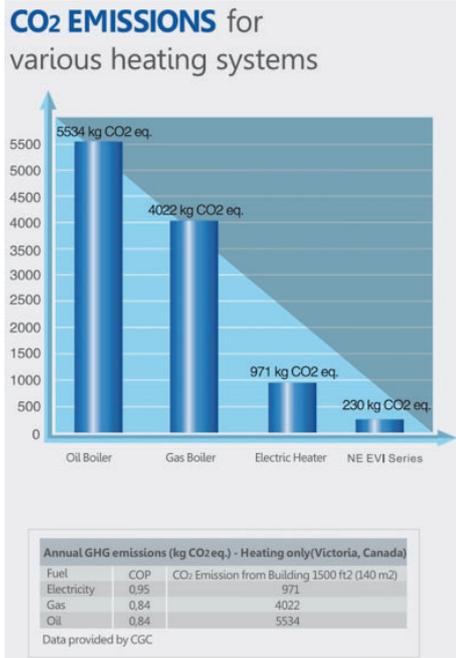
The Co-efficient of Performance (COP) of this system can be up to 3.4 times greater than existing water heating systems.

In layman's terms, COP equates to the number of units of energy IN to produce the number of units of energy OUT. A COP of 3.4 means for every single unit of energy put in, 3.4 units of energy are produced. The higher the COP, the less energy is being used, less carbon is being produced and the higher the savings achieved.



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## The Benefits of the Aero-Thermal Hot Water System



Co<sub>2</sub> Comparison Chart.

- Natural
- Non-Polluting
- Renewable
- Highly Efficient
- Eco-Friendly
- Reduction of CO<sub>2</sub> emissions
- Reduction of electricity consumption
- Money Saving
- Self financing

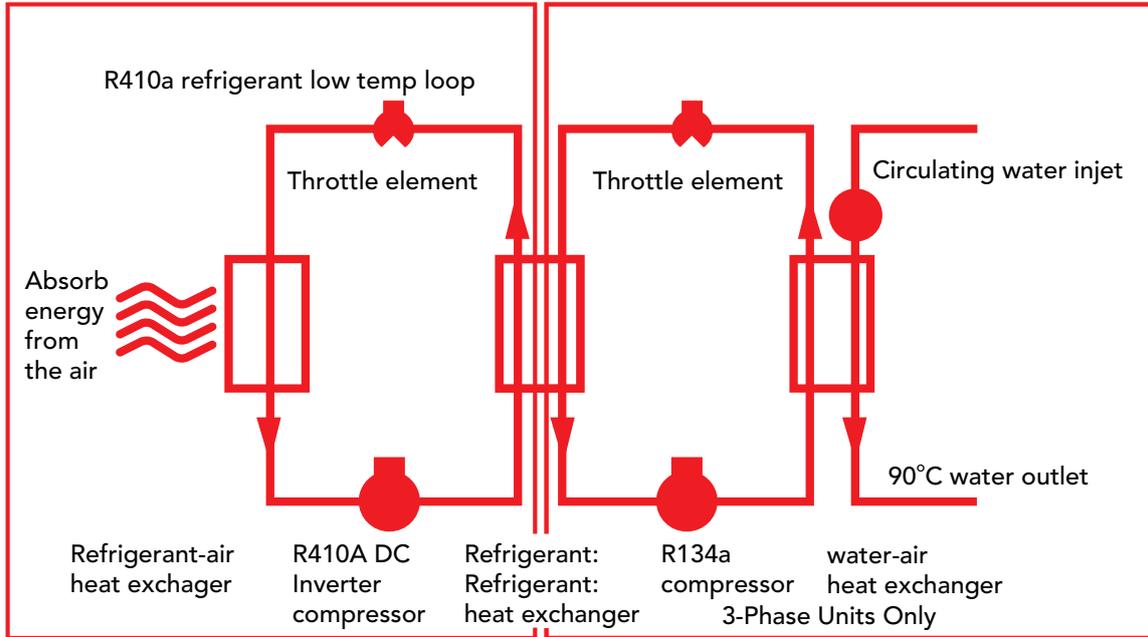
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## **Waste not, want not.**

Many dairy farms have various forms of heat recovery or other equipment that produces some degree of warm water. The DairyTherm System incorporates this and uses it to further lower costs and increase savings. It is not wasted. However, because this is a changing and incalculable input value, we do not include this value in our quotation of savings, after our free survey and assessment are complete.

## **Typical example of savings when heating 1210 Lts of water per day at an average cost of 34 pence per Kwh.**

	<b>Current System</b>	<b>DairyTherm System</b>
Kwh used 24 hours	114 Kwh	39 Kwh
Kwh used annually	41,610 Kwh	14,235 Kwh
Cost per annum	£14,147	£4,539



# AERO - THERMAL HOT WATER SOLUTION UP TO 90°C

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