



South West Refrigeration

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Heat Reclaim

“The Green Machine”

At South West Refrigeration, we have more than thirty years experience of heat reclaim from refrigeration plant. We have now designed a more sophisticated system which is both efficient and cost effective.

On the modern Dairy farm, the size of the refrigeration equipment and the volume of cooling that is required is considerable. In addition, the amount of water needed for plant wash, bulk tank wash and other requirements has increased over the years in both volume and cost. By combining both these aspects, South West Refrigeration can offer the Dairy farmer considerable savings.

How much will it save? - The average dairy farm, milking 100 - 150 cows, will save approximately 10,000 to 15,000kw per year. The more water that is used, the greater the savings will be.

How does it work? - Cold water is circulated through a brazed plate heat exchanger from storage tanks. The heat extracted from the milk via the refrigeration plant is then transferred into the water. This is stored at approximately 50-65 degrees in insulated tanks, and then plumbed to existing heaters.

Will it affect my refrigeration? - No, it will improve it in the summer and the pressure control will ensure efficient cooling in the winter.

How else can I use the heat? South West Refrigeration has seen an opportunity to use the hot water for more than just the Dairy. We currently run a number of office heating systems with our existing “Moo Power” Technology - Coming soon to the market. Please ring for more details.

Are there any running costs? - Only a circulation pump from the storage tanks to the heat exchangers.

What is the payback time? - Between 2-4 years. At an average of £0.10p per kw the savings will be between £1320 - £4500 per annum. This will depend on the size of the units, the running times and the water requirement.

The system designed by experts, installed by professionals at a realistic price to suit your budget.

HEAT RECLAIM SYSTEM

