

Energy efficient, high quality, affordable systems using heat pump technology. We provide innovative, sustainable, long lasting energy solutions for your home, farm and business.

Dairy Hot Water Systems & Hot Water Cylinders



The energy efficient way of heating your water in the dairy shed.

- **Saving over 50% of water heating**
- **High quality, eco friendly & long lasting**
- **Custom designed, perfect set-up for every farm**
- **Compatible with solar hot water heating option**

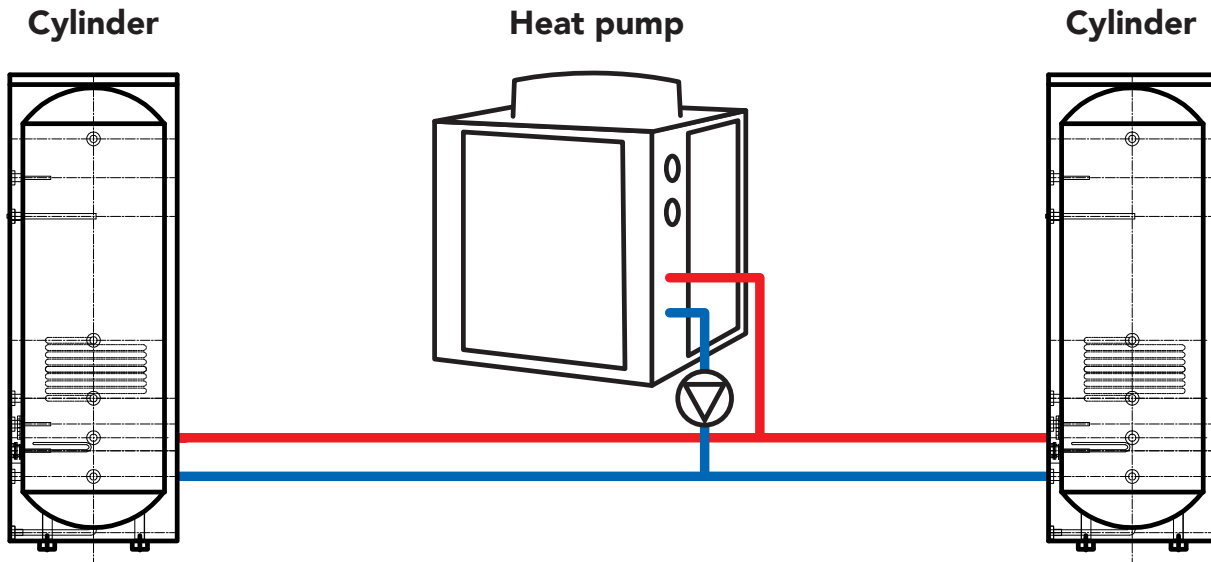
Phone 0800 125 225 or visit www.calitec.nz

Heat pump dairy hot water

Water heating accounts for a great deal of the dairy shed's energy use.

On average the daily hot water consumption in a dairy shed is between 300 to 900 litres. For 900 litres the annual energy cost is about \$8,000. Heat pump hot water can bring that cost down by at least 50%! With ever increasing energy prices it is well worth investing in an energy efficient and economical system as an alternative to electric or gas.

The Calitec high-temperature heat pump hot water system is a mono-block system with the heat exchanger built inside the stainless steel case. This system heats up the water by circulation pipes to and from your water cylinder. Heat pump technology is reliable in all New Zealand's weather conditions (-10 to 45 °C).



The system is compatible with solar hot water heating options. One heat pump unit can heat up multiple cylinders.

Heat pump compressor:

- Heats up to 80 °C, adjustable between 40 to 80 °C.
- Highly efficient. Average energy savings over 50%.
- High quality: robust stainless steel case, stainless steel heat exchanger (titanium heat exchanger on request), Copeland compressor, R134a refrigerant.
- Warranty: 5 years.

Dairy hot water cylinder:

- Custom designed for your farm.
- Capacity range: 300 – 400 – 500 litres. Other sizes on request.
- Made of 1.5 mm duplex stainless steel (2205) inner tank, 50 mm polyurethane foam insulation (75 mm on request) and a 0.5 mm stainless steel (304) outer shell.
- Built-in 2x3kW standard electric heater with thermostat for back-up heating.
- 22mm inside coil for solar hot water options.
- Sight glass options.
- Suitable for most water standards and conditions.
- Warranty: 15 years on inner tank, 1 year on electric heaters.

Warranty:

All Calitec systems and cylinders must be installed by qualified installers in accordance with all relevant building codes and NZ standards. Check out our T&C and Warranty.



Phone 0800 125 225 or visit www.calitec.nz

