

# Still relying on steam to get up to temperature?

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*Tricool Thermal can be relied upon to provide the best solution that meets our requirements*

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*MD, Food Industry OEM*



## There is another way...

Tricool Thermal's temperature controllers range from **9-96kW**, offer temperatures up to **350°C** and could deliver increased production, efficiency and product quality over existing steam boilers.

These thermal fluid systems are incredibly precise yet still offer highly flexible temperatures and excellent reliability, potentially reducing your ongoing costs.

For more information call us free on **0800 977 5709** or visit our website [www.tricool.com](http://www.tricool.com).



**tricoolthermal**

HEATING & COOLING

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# Why use Tricool Thermoregulators instead of steam?

## Precise, Cost Effective Temperatures

We know manufactures are pushed to run more efficient processes to tighter quality regulations. Thermoregulators offer highly adaptable options to change temperatures quickly at the push of a button and ensure consistent degree accurate temperatures so the process sits within precise parameters. Our units also offer customers options around preset temperature ramping.

## Heat Efficiency

This does depend on the level of maintenance and insulation used with a steam system but as the temperature control units are small enough to be deployed beside, above or under the process element they are heating, there is much less piping needed, less valves, less risks of leaks and minimal exposure to ambient temperatures. They also usually have low volume tanks, reducing the liquid volume in circulation, resulting in a reduced power input needed for heating.



## Flexibility

As they are small units working along the process, when the production line needs to change you just power down, unplug, move the unit and plug back in, there are no major engineering works to change the piping for the flow of steam, reducing time and money wasted with the whole process down.

## Process Redundancy

Instead of an issue impacting the whole process these small, highly manoeuvrable units can be isolated or quickly swapped, again offering efficiencies for the process if there is an issue.

## Reliability

Our units feature self cleaning solenoid valves, non ferrous internal parts, self diagnostic systems and solid state relays to significantly reduce the amount of wear and tear the units will experience during their lifetime. Add to this a corrosion free construction removing steam abrasion and you can significantly reduce the maintenance costs for your process heating control.



## Environment and Safety

Boiler feed water can be heavily treated prior to use within a steam system so can cause issues when needing discharge or in the case of leaks. Steam also requires high pressure to get high temperatures which needs to be carefully managed, usually with certified boiler staff and costly inspection visits. Thermoregulators operate at much less pressure, need less 'treatment' for their fluid and do not need certified staff to manage them.

## Ease of Use

Designed with the customer in mind, the Tricool Thermal units offer easy operation with simple and clear user interfaces and temperature controls that can produce a range of precise 'degree accurate' temperatures at the touch of a button. Production line staff can easily be trained on operations while the user interface on the control units can guide staff through what they need to do.

## Ongoing Costs

Steam systems are likely to have either been in place for some time (so have no capital costs) or for a new installation could offer a lower initial capital investment BUT ongoing costs including potentially reduced plant insurance premiums, limited maintenance issues, reliability, flexibility and temperature accuracy can often bring overall cost improvements for a customer using thermal fluid over a traditional steam system.

**All these benefits could help manufacturers in industries that traditionally use steam deliver increased production, efficiency and product quality from their processes and** We would welcome the opportunity to discuss any areas of interest that you may have.

Please call us free on 0800 977 5709 or go to our website [www.tricool.com](http://www.tricool.com).