



TRIANCO
BRINGING HEAT TO LIFE

Aztec Electric Heating Solutions



With the increasing desire to combat climate change, the UK is moving to electric energy to heat homes and businesses.

Trianco has evolved the Electric Aztec Range to support this change and meet demand.

What is SAP?

The Standard Assessment Procedure (SAP) is the UK government's recommended method system for measuring the energy rating of residential dwellings. The first version was published in 1995, and was replaced by newer versions in 1998, 2001, 2005, 2009 and 2012. An updated version (SAP10) is imminent.

What will change with SAP10?

Since the last SAP update in 2012, there's been a huge clean up on electricity generation. Wind and solar farms are more common place, so much so that the average CO2 factor from the UK's electricity grid has halved in just six years.

We're spending more time out of our homes and therefore using less energy to heat them. Wifi and App controlled heating systems are becoming a more popular way to remotely manage heating and energy use in the home.

Changes to the electricity related CO2 emissions in SAP10 are significant – reducing from 519g CO2/kWh to 233g CO2/kWh, only slightly higher than mains gas (210g). Currently SAP2012 assumes any electricity used in the dwelling produces 2.4 times the CO2 emissions of mains gas – this is because it uses an outdated carbon factor which does not reflect the energy mix of the UK grid.

In the UK, there are over 4m households without access to mains gas; over 2m households use electricity for heating. As the electricity grid becomes greener with increased use of renewables, it is inevitable that electric heating will become the cleanest heat source, enabling the move towards zero carbon.

Once more, developments with District heating systems will see a big drop in SAP performance as a holistic approach to the system is taken. Currently heat losses DHNs are assumed from 5-20%, SAP10 assumes 50% heat losses without evidence to prove otherwise.

From 2025, gas boilers cannot be used in new build development meaning the future of electric heat has never been brighter.



Aztec electric boilers have powered thousands of homes across the UK over the years and remain one of the most popular ranges available in the Trianco portfolio of heating products.

Designed with precision and engineered to perfection, the range is produced to a superb standard. Aztec is the preferred choice for many households that have no mains gas supply or are seeking an alternative to fuels such as oil or LPG.

Aztec boilers have minimum noise levels and efficiencies of 99.8%, they can work effectively alongside renewable technology and provide ample supply to radiators, just like any other conventional boiler.

Typical Applications



Family Homes



Holiday Homes & Caravans



Apartments & Flats

ERP approved

All Aztec electric boilers and the Easyfit cylinder are ERP approved. ERP is an 'Energy related products' regulation, designed to label products that meet the criteria put in place to meet European emission and carbon reduction targets for 2020.

Aztec Mini Combi

Our new Aztec Mini Combi is ideal for compact projects such as apartments, cabins and garden rooms. There is no need for extensive pipework or flues to outside walls and it is fully controlled via a combined room thermostat/programmer which can be managed via an app on a mobile device.

Designed for installation in a utility room or larder cupboard or will sit alongside kitchen wall cabinets.

The Aztec Mini Combi gives immediate hot water supply, removing the need for an additional cylinder where space is at a premium. The Mini Combi is fully controllable via

supplied digital wireless programmer or via the internet using an app - on iOS devices search for 'My Smart Thermostat' in Apple Store for Android devices search for 'My Smart Thermostat' in Google Play.

Aztec Mini Combi features:

- Complete with low energy pump, expansion vessel, automatic air vent and pressure gauge
- State of the art bespoke PCB
- Controlled via app
- Digital display
- Compact for easy installation into small spaces
- No flue or fuel supply tank required
- No noxious gases
- Easy to install
- 99.8% efficient
- Virtually maintenance free
- External temperature control
- Low water pressure warning
- Resettable thermal safety cut-out
- Compatible with solar power
- Comprehensive 2 year guarantee



Fully controllable via supplied digital programmer - control your heating from anywhere!



Dimensions & Specification

Model	Output kW (Heating)	Output kW (Water)	Depth (mm)	Width (mm)	Height (mm)	Weight (Kg)
Aztec Mini Combi	8	12	230	360	580	2
Aztec Mini Combi	10	12	230	360	580	25
Aztec Mini Combi	12	12	230	360	580	25

Energy Consumption



Aztec System

Our new Aztec System is a neat all in one, fit and forget electric boiler that packs in all the components required to create a full heating system - 8kW or 12kW output.

Perfectly engineered, the unit incorporates ERP pump, auto air vent, 7ltr expansion vessel and pressure gauge. Ideal to easily fit alongside a direct cylinder

The Aztec system simplifies the install and removes the need for additional or unnecessary external plumbing or pipework.

The system is fully controllable via supplied digital programmer or via the internet using an app - on iOS devices search for 'My Smart Thermostat' in Apple Store for Android devices search for 'My Smart Thermostat' in Google Play.

Aztec System features:

- Complete with pump, expansion vessel automatic air vent and pressure gauge
- State of the art bespoke PCB
- Fully modulating - up to 6kW
- Can be installed almost anywhere
- Comes with wireless programmer
- Automatic bypass
- External temperature control
- No flue or fuel supply tank required
- No noxious gases
- Easy to install, simple to wire
- Virtually maintenance free
- 99.8% efficient
- Replaceable elements
- Self diagnostic checking
- Soft switching to preserve element life and prevent interference
- Resettable thermal safety cut-out
- Compatible with solar power
- Comprehensive 2 year guarantee



Fully controllable via supplied digital programmer - control your heating from anywhere!



Dimensions & Specification

Model	Output kW	Depth (mm)	Width (mm)	Height (mm)	Weight (Kg)
Aztec Mini System	8	50	255	395	20
Aztec Mini System	12	255	255	395	20

Energy Consumption



Aztec Classic

Available in outputs of 2kW-12kW the Aztec Classic has furnished thousands of homes across the UK over the last decade.

Its compact, wall mounted and slim vertical design (only 165mm wide) is specifically aimed at small spaces and can even be sited in a small airing cupboard alongside a

cylinder. It can be installed in any type of property i.e. house, flat, mobile home or apartment and is particularly popular in retrofit and new build situations.

Aztec Classic features:

- Slim design
- State of the art bespoke PCB
- Fully modulating
- Can be installed almost anywhere
- Outputs up to 12kW
- External temperature control
- No flue or fuel supply tank required
- No noxious gases
- Easy to install
- Virtually maintenance free
- 99.8% efficient
- Replaceable elements
- Self diagnostic checking
- Soft switching to preserve element life and prevent interference
- Resettable thermal safety cut-out
- Compatible with solar power
- Comprehensive 2 year guarantee



Dimensions & Specification

Model	Output kW	Depth (mm)	Width (mm)	Height (mm)	Weight (Kg)	Water Content (L)
Aztec-2	2	165	143	550	7.0	1.0
Aztec-6	6	165	143	820	8.1	2.1
Aztec-9	9	165	143	1080	10.6	3.2
Aztec-11	11	165	143	1080	10.6	3.2
Aztec-12	12	165	143	1080	10.6	3.2

Energy Consumption



Aztec Instant Water Heater

Our Aztec Instant Hot Water Heaters are a simple solution when hot water is required but only a cold water supply and electricity is available.

Our small compact units with touch screen control combine 'state-of-the-art' looks with performance, available in 8 and 12kw versions. Endless constant hot water has never been easier to obtain.

Aztec Instant Water Heater features:

- Instant electric water heater
- On-demand hot water - never runs out
- Reduces water heating costs by as much as 50%
- Compact design saves space
- Unique gloss front cover, water splash proof and corrosion resistant
- Direct temperature setting, automatic thermostat, constant hot water, automatic memory function avoids repeated operation
- LED widescreen touch display screen for setting the temperature and outlet temperature. Power consumption and water consumption display
- Auto-detection fault codes displayed on screen



Dimensions & Specification

Model	Output kW	Depth (mm)	Width (mm)	Height (mm)	Weight (Kg)	Water Content (L)
Aztec Water Heater	8	50	255	395	4	0.5
Aztec Water Heater	12	50	255	395	4	0.5

Energy Consumption



Aztec Instant Hot Water Tap

Our instant hot water tap provides clean boiling hot or cold water on demand through a superior filtration system.

Regular hot water: The ceramic mixing valve for hot and cold water allows smooth adjustment to desired temperature with durable long life performance.

Boiling water: Features adjustable temperature settings, from 75°C - 99°C, to suit your beverage or cooking needs. The tank can deliver a generous 120 filtered hot cups (130ml cup size) per hour.

Regular cold water: Regular mains water is supplied unfiltered through the tap's ceramic mixing valve.

Filtered water: The superior filtration system (WRAS & NSF approved) provides you with best tasting, safe water for your enjoyment. With the simple touch of the control button, the blue LED illuminates and dispenses filtered water.

Aztec Instant Hot Water Tap features:

- Two year back-to-base Warranty
- Superior ergonomic design with advanced control features for ease of use
- Save time, energy and space in the kitchen with this efficient and compact designed system
- Boiling hot water is always available on demand, from simple touch of a button, so waiting for the kettle or pot to boil is a thing of the past
- Enjoy cleaner, safer, better tasting water for all your drinking needs from a glass of water to a mug of tea or coffee
- Filter Independently tested and certified for design and performance by NSF International and WRAS. NSF42 - CTO & Class 1 Particulate, NSF 53 - Lead, Asbestos and Cyst
- Child Safety Lock on Boiling water dispensing, for your safety at home
- Re-usable cartridge-based system results in significant reduction in carbon footprint and cost
- Hygienic, sealed cartridge prevents contamination at all times
- Valved Filter head allows rapid, dry change of replacement cartridges
- 2.5L Tank CE & WRAS approved
- Suitable for D.I.Y. installation



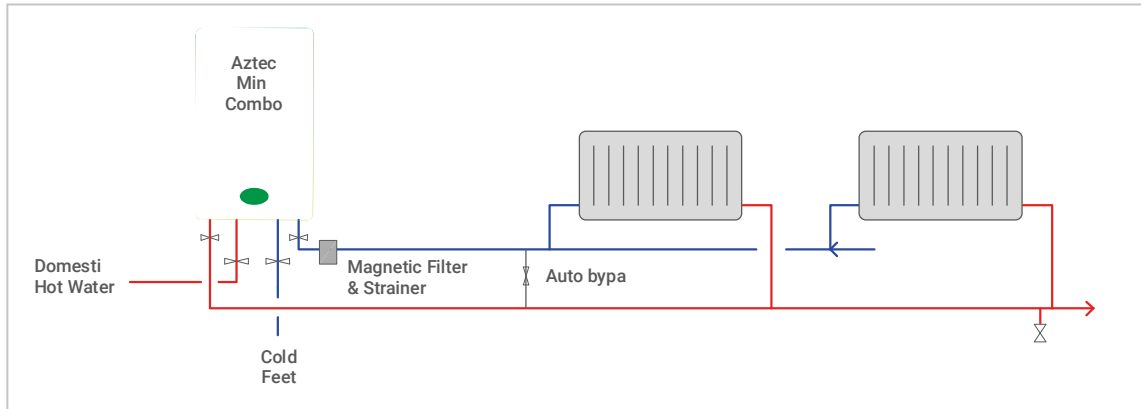
Dimensions & Specification

Model	Output kW (Heating)	Water Content	Depth (mm)	Width (mm)	Height (mm)	Weight (Kg)
Instant Tap	1.5kW	2.4	190	190	270	27.4

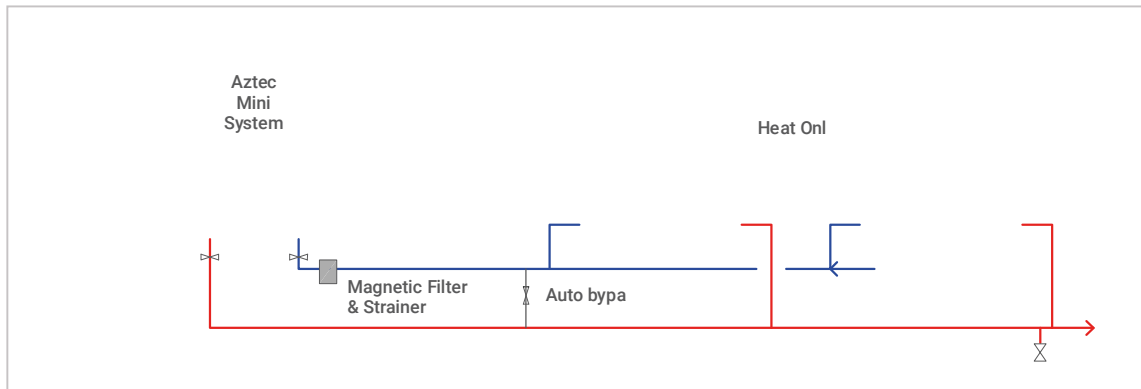
Typical system layouts

The ranges versatility is demonstrated further by the way several units can be linked together to give a greater output, depending on the power supply available.

Aztec Combi



System – Heat Only – alded Sys m







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