



**TRIANCO**

## **Aztec Instant Water Heater**



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# **INSTALLATION AND OPERATION INSTRUCTIONS**

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**Please read these instructions carefully before installing  
and operating this appliance**

**TO BE RETAINED BY HOUSEHOLDER**

## **CONTENTS**

<b>Health and Safety</b>	<b>3</b>
<b>Pre-Install Notes</b>	<b>4</b>
<b>After Sales Service</b>	<b>4</b>
<b>Safety Notes</b>	<b>5</b>
<b>User Instructions</b>	<b>6</b>
<b>Fault Finding</b>	<b>6</b>
<b>Installation</b>	<b>7</b>
<b>Technical Details</b>	<b>8</b>

# HEALTH AND SAFETY

## INFORMATION FOR THE USER, INSTALLER AND SERVICE ENGINEER

Under the Consumer Protection Act 1987 and the Health and Safety at Work Act 1974, it is a requirement to provide information on substances hazardous to health (COSHH Regulations 1998).

TR Engineering takes every reasonable care to ensure that its products are designed and constructed to meet these safety requirements when the products are properly installed and used. To fulfil the requirements, products are comprehensively tested and examined before despatch.

When working on the appliance, it is the responsibility of the user or engineer to ensure that personal protective clothing or equipment appropriate to parts that could be considered hazardous or harmful is worn.

This appliance may contain some of the items below:

### Insulation and Seals

Glass rope, mineral wool, insulation pads, ceramic fibre and glass insulation.

When handling, avoid inhalation and contact with eyes. These may be harmful and cause irritation to the skin, eyes, nose or throat. Use disposable gloves, facemasks and eye protection.

After handling, wash hands and other exposed areas. When disposing of materials, limit dust and the risk of inhalation by using water spray. Ensure materials are securely wrapped.

Seek urgent medical attention if inhaled or ingested. Exposure to eyes and skin should be followed by immediate cleansing of the affected areas and medical attention if necessary.

### Glues, Sealants and Paints

The glues, sealants and paints used present no known hazards when the appliance is used in the manner for which it is intended.

<b>Notes:</b>	
Electrical safety checks should be carried out by a competent person.	
Installation Engineers Signature	_____
Company Name (if applicable)	_____
Company Address	_____ _____ _____
Company Tel. No.	_____

**Please read these instructions fully before installing this appliance.  
If in doubt seek expert advice**

**These instructions should be kept in a place close to the appliance for easy reference.**

## IMPORTANT PRE-INSTALLATION NOTES

Before installation, it is imperative that the following guidelines are heeded to ensure the trouble-free and efficient operation of the boiler:

### Siting

**The water heater should not be installed in a shower compartment or bathroom.**

When siting the boiler, consider the potential requirement for future access to the cold-water inlet. The supplied in line filter should be cleaned either on an annual basis or when a reduction in water flow is noticed.

**The cold supply should have an isolation valve close to the appliance.**

### Power Supply and Wiring

The power supply to the premises must meet the minimum requirements of the unit being installed, with special attention paid to the supply current, cable size, and RCD recommendation. The supply voltage to the appliance must never drop below **207 Volts**.

To keep the casing clean, switch 'OFF' the water heater at the electrical supply, and simply wipe with a damp cloth. DO NOT use abrasive cleaning fluids as this may damage the stove enamel paintwork.

## TR ENGINEERING LTD CUSTOMER AFTER SALES SERVICE INFORMATION

### What to do in the event of an appliance fault or breakdown:

**Step 1:** Always contact your installer in the first instance, who must thoroughly check all his work PRIOR to contacting TR Engineering LTD.

**Step 2:** If your appliance has developed an in-warranty fault your installer should contact TR Engineering LTD for assistance from site.

We offer a Return-to-Base Warranty, please contact the service department for more details.

**PLEASE NOTE: UNAUTHORISED INVOICES FOR ATTENDANCE AND REPAIR WORK CARRIED OUT ON THIS APPLIANCE BY ANY THIRD PARTY WILL NOT BE ACCEPTED BY TR ENGINEERING LTD**

### SERVICE CENTRE AND TECHNICAL SUPPORT

Tel: 0114 257 2300 Fax: 0114 257 1419

Hours of Business  
Monday to Thursday 8.30am - 5pm  
Friday 8.30am - 2.30pm

# IMPORTANT SAFETY NOTES

## INTRODUCTION

The Aztec Instant Water Heater is a wall mounted instantaneous electric water heater. Once the water heater is switched on it is fully controlled by an automatic management system which monitors the safety and running functions. Designed to provide instantaneous hot water. The water heater produces hot water by passing water over electric heating elements housed in an insulated heat exchanger.

The boilers incorporate inverter constant temperature technology which automatically adjusts output to match demand.

**Read these instructions before installing your boiler.**

The electrical wiring must comply with the latest edition of the Electrical Wiring Regulations BS 7671.

1. Always switch OFF the electrical supply before working on the hot water system.
2. If any part of the water heater is modified, then the warranty will be invalidated.
3. This appliance must be earthed

We recommend that you keep these instructions in a place near your appliance for easy reference.

**The Trianco Aztec Instant Water Heater has been designed to conform to European Directive/Standards EN60335-1:2002 +A15:2011, EN60335-2-35:2002 inc Amd 1, EN55014-1:2006 +A1:2009, EN55014-2:1997 +A2:2008.**

**THE PERSON(S) WHO INSTALLS THIS APPLIANCE, SERVICES OR CARRIES OUT ANY REMEDIAL WORK, I.E. ELECTRICAL FAULT FINDING, MUST HAVE SUITABLE ENGINEERING QUALIFICATIONS.**

**WARNING: DO NOT SWITCH ON THIS APPLIANCE IF THERE IS ANY POSSIBILITY THAT THE WATER MAY BE FROZEN.**

**THE INSTALLATION OF THIS APPLIANCE MUST MEET THE REQUIREMENTS OF THE CURRENT ISSUE FOR ELECTRICAL INSTALLATIONS IEE WIRING.**

# INSTRUCTIONS

The Trianco Aztec Instant Water Heater has been designed and constructed to give years of trouble-free service and these instructions are provided to assist you in obtaining the best performance with the least trouble and cost.

The water heater is fully automatic in operation and requires little attention other than the setting of the hot water temperature.

Do not use the appliance if there is any possibility of the water supply being frozen.

Make sure the inlet valve is turned on before turning on the main power supply.

When the power supply is turned on the water heater will display the water temperature and sound an audible tone.

Once the heater detects flow the heater will heat to the set temperature.

It might be necessary to descale any outlets from time to time if a reduction in water flow is noticed.

## Functions and Display

Press  after the water inlet valve is turned on.

Use  and  to set the outlet water to the desired temperature.

# FAULT FINDING

Problem	Possible Cause	Corrective Action
LED Displays E1	Over Temperature Protection	Automatic reset
LED Displays E2	System current leakage value is too high.	Contact your engineer
LED Displays E3	Water temperature sensor failure	Contact your engineer
Water Too Hot	A: Too high temperature set B: Water flow to low	A: Set a lower temperature B: Increase flow
Water Too Cold	A: Low temperature set B: Water flow too high	A: Set a higher temperature B: Reduce water flow
Decreased outlet flow	Inlet strainer clogged	Clean inlet strainer

**Do not attempt to repair the heater, contact Trianco for assistance.**

The water heater does not require any regular maintenance however the water inlet has a built-in filter which should be cleaned when a reduction in water flow is noticed.

# INSTALLATION

## INSTALLATION

Installation of the water heater must comply with the following British Standards and Regulations:

Current I.E.E. Regulations  
Local water undertaking By-laws.

### Health and Safety at Work Act

The installer should be aware of his responsibilities under the Act and provide where necessary, appropriate protection for persons carrying out the installation. In the interests of safety, a competent engineer should install the boiler and all wiring must be carried out in accordance with current IEE regulations.

### IMPORTANT

**ALL ELECTRICAL WORK MUST BE CARRIED OUT BY A QUALIFIED ELECTRICAL ENGINEER TO CURRENT IEE WIRING REGULATIONS.**

**NOT TO BE INSTALLED IN A SHOWER COMPARTMENT OR BATHROOM.**

**DO NOT INSTALL IN AREAS WHERE THERE IS A RISK OF FREEZING.**

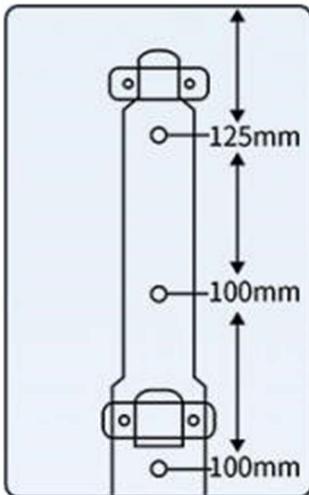
It is advised the water heater is located as close to the outlet as possible to avoid long draw offs and heat loss.

The appliance must be permanently connected to the electrical supply through an isolating switch with a contact separation of no less than 3mm in all poles.

Isolate electrical and water supply before installation.

**The appliance must be earthed.**

### Wall Mounting



Attach the wall bracket to a suitable wall able to hold the weight of the water heater when filled with water.

Be careful to avoid concealed electrical cables and water pipes.

Once the bracket is secure slide the water heater on to the bracket.

The water heater should be mounted horizontally with the inlet and outlet connections at the bottom of the heater.

### Pipe Work Connection

Before connecting the pipe work, it is important to flush the pipes to remove any debris and flux residue.

**The inlet supply pipe work MUST incorporate an isolation valve and inline anti scale device.**

It might be necessary to obtain the best performance from the heater to restrict the flow rate at the outlet or fit a flow control valve on the inlet pipe to the heater.

## TECHNICAL DETAILS

<b>Power</b>	<b>8KW</b>	<b>12KW</b>
<b>Phase</b>	<b>1</b>	
<b>Voltage</b>	<b>220V-240V ,50Hz/60Hz</b>	
<b>Current(A)</b>	<b>36.4</b>	<b>54.6</b>
<b>Circuit Breaker Requirement(A)</b>	<b>≥40</b>	<b>≥60</b>
<b>Minimum Cable Size</b>	<b>6m m<sup>2</sup></b>	<b>10m m<sup>2</sup></b>
<b>Temperature Range</b>	<b>30°C-55°C</b>	
<b>Water Pressure</b>	<b>0.02-0.6Mpa</b>	
<b>Overheat Protection</b>	<b>60°C</b>	
<b>Thermal cut-off</b>	<b>90°C</b>	
<b>Pipe Connection</b>	<b>G 1/2 "</b>	
<b>IP Rating</b>	<b>IPX4</b>	
<b>Safety level</b>	<b>IPX25</b>	



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