

SERVICE INTERVAL RECORD

It is recommended that your heating system is serviced regularly and that your service engineer completes the appropriate Service Interval Record below.

SERVICE PROVIDER

Before completing the appropriate Service Interval Record below, please ensure you have carried out the service as described in the manufacturer's instructions and in compliance with all the relevant codes of practice.

SERVICE 1

Engineers Name
Company Name
Tel No.
ID Serial No.
Comments

Signature

SERVICE 3

Engineers Name
Company Name
Tel No.
ID Serial No.
Comments

Signature

SERVICE 5

Engineers Name
Company Name
Tel No.
ID Serial No.
Comments

Signature

SERVICE 7

Engineers Name
Company Name
Tel No.
ID Serial No.
Comments

Signature

SERVICE 2

Engineers Name
Company Name
Tel No.
ID Serial No.
Comments

Signature

SERVICE 4

Engineers Name
Company Name
Tel No.
ID Serial No.
Comments

Signature

SERVICE 6

Engineers Name
Company Name
Tel No.
ID Serial No.
Comments

Signature

SERVICE 8

Engineers Name
Company Name
Tel No.
ID Serial No.
Comments

Signature

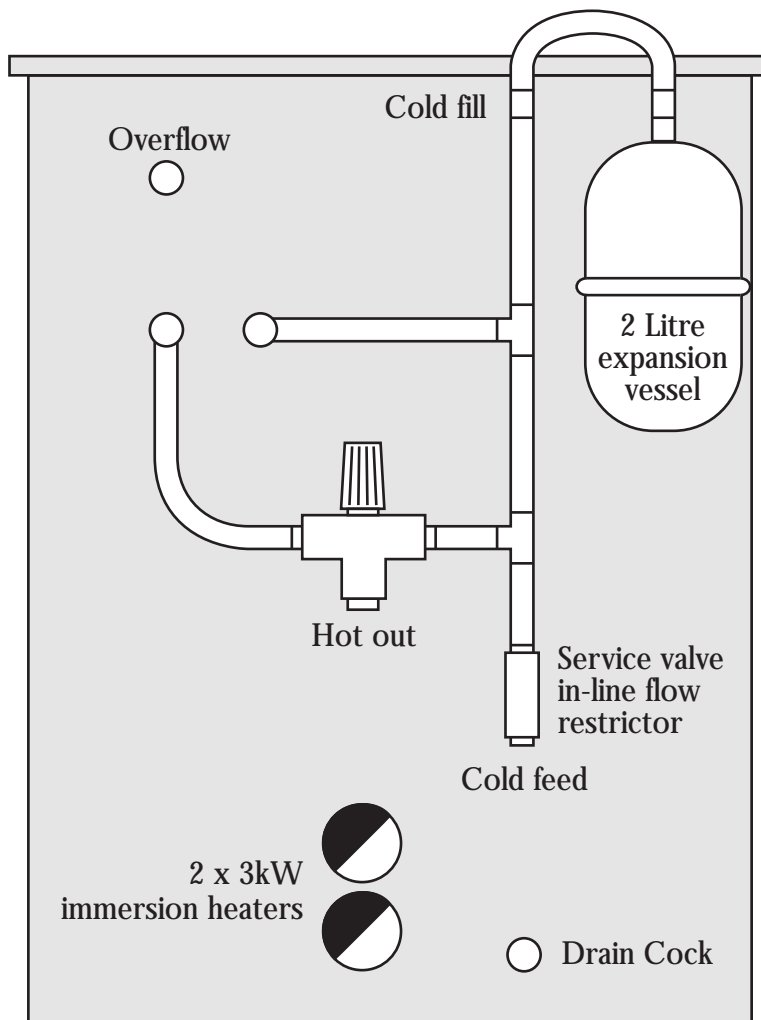


INSTALLATION AND USER GUIDE

ADVANCE ELECTRIC THERMAL STORE

ADVANCE APPLIANCES LTD

PLEASE RETAIN AND ENSURE SERVICE RECORDS
ARE KEPT UP TO DATE.



INTRODUCTION

Advance Electric Thermal Store Systems are perfect for installations where oil or gas is not available or preferred, such as rural dwellings or modern apartments.

No flues are required and the unit is quiet in operation.

Off peak tariffs can be utilised and all units are fitted with two 3kW immersion heaters. The unit is designed to make use of off-peak tariffs. The top heater is for top-up during peak tariff times. If only one immersion heater is used please connect only the bottom heater.

Mains pressure hot water is provided safely at 15 litres per minute provided an adequate service is connected to the unit. This enables power showering without a pump and fast bath filling.

SITING

The unit can be positioned anywhere within the property, even below hot water outlets, on a flat even surface.

Do not site in aggressive environments or areas subject to frost.

A special frame is available for the 150 litre store, freeing up valuable airing cupboard space. If an electric boiler is used, this can be sited here with a sealed system pre-plumbed manifold.

Please note that the unit must be installed in a position where it can be serviced and maintained in the future. 200mm top access should be allowed for. Please also take into account the weight of the unit when full and ensure that the floor can take the load.

PERFORMANCE

150 litre unit for single standard bath and shower

210 litre unit for two bathroom applications

INSTALLATION

The unit must be installed to meet current best practice by a person competent to do so.

Incoming mains of 22mm with a pressure of 2bar or above is recommended for best performance. Lesser pressures/pipe diameters will compromise performance; this must be taken into account as the decision rests with the installer. The unit has a 15litre/minute flow restrictor fitted in the service valve.

Incoming pressures of more than 3 bar must be controlled at 3 bar by a pressure reducing valve (Not supplied).

In hard water areas where concentrations exceed 200ppm a suitable scale reducer must be installed. The choice is left to the installer to suit local conditions.

The lid of the unit is secured at the front by a self tapping screw and located by a peg at the back.

The overflow must be connected in line with current practice. Although solvent weld can be used a metal overflow is preferred. Push fit is not recommended. Discharge must be to a safe point.

COMMISSIONING

ALL JOINTS MUST BE TESTED AS THEY CAN LOOSEN IN TRANSIT.

The blending valve should be set in the range 41°C to 50°C.

The immersion heaters are rated at 3kW each, and should be set at 80 to 85°C.

The expansion vessel is charged at 3 bar and acts as a shock arrestor to prevent water hammer and takes up expansion in the internal heat exchanger.

USING THE UNIT

Thermal store units normally provide years of trouble free life, however they should be serviced periodically. Advance recommends a service at least every two years. The store should be powered for at least 8 hours per day, utilising off-peak tariffs. As they are well insulated this is the most economical way of running the unit. Using hot water during off-peak periods also helps reduce operating costs.

SUPPORT STAND

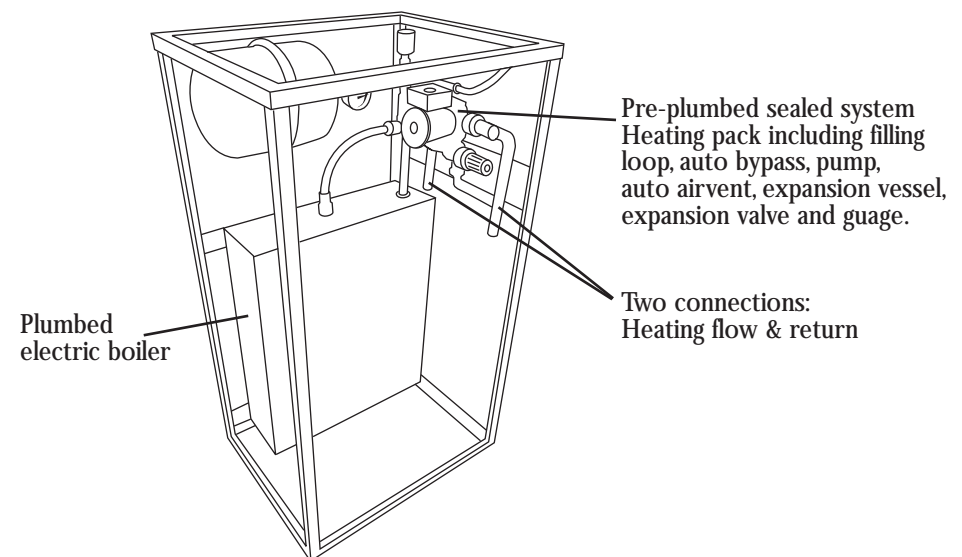
The unit is available with a support stand for a neat and complete electric heating solution.

A pre-plumbed circuit with all controls and safety equipment for a central heating sealed system is mounted on the stand and connected to an electric boiler making installation simple and speedy.

The components fitted are: 8 litre expansion vessel, auto air vent, auto by-pass, 5 metre head pump, expansion relief valve 3 bar, pressure gauge and filling loop.

There are only three plumbing connections.

The boiler comes with a separate installation guide and warranty card.



WARRANTY

Warranty is for five years on the tank against failure due to manufacturing fault, and two years on components supplied and fitted to the heating manifold and thermal store.

Conditions apply, the unit must be serviced at regular intervals and a record of service must be maintained. It must be in a frost free environment and must be used for potable water only. It must be installed and used correctly in accordance with manufacturer's requirements and current best practice. Corrosion and scale are not covered.

Your statutory rights are not affected by the above.

COMPONENT LIST

Component	Reference
3 kw immersion heater	AA 1H3
Thermostat for above (high temp)	AA HLS
Blending valve	AA BV 22
Expansion vessel 2 litre	AA EX2POT
Clip for above	AA CLIP2POT
Copper float	AACF
15 litres/minute flow restrictor	AAFR15
Pressure gauge	AAPG
Heating expansion vessel 8 litre	AAEX8HTG
Pressure relief valve 3 bar	AAEXV3
Auto by pass	AAABP

Only use authorised replacement components.

INSTALLER & COMMISSIONING ENGINEER DETAILS

Customer Details

Name

Address

Tel No.

Installer Details

Name

Address

Tel No.

DATE

REGISTRATION DETAILS

(Where applicable for unvented systems)

REG No.

ID SERIAL No. etc.

Commissioning Engineer Details

Name

Address

Tel No.

DATE

REGISTRATION DETAILS

(Where applicable for unvented systems)

REG No.

ID SERIAL No. etc.

Servicing Requirements

1. Check valve operation of pressure reducing valve (if fitted) is 3.0 bar static - only adjust if necessary.
2. Check flow rates are satisfactory - clean filter in pressure reducing valve only if required. Do not exceed stated flow rates.
3. Check charge in expansion vessel. Should be 3.0 bar - inflate as required after decommissioning the system.
4. Check operation of ball valve float, adjust or replace as required.

Should further assistance or clarification be required contact Advance Advice on 0121 568 8778.

Failure to carry out annual service/maintenance requirements and log proof in service/maintenance records may invalidate warranty.

Appliance Details

Manufacturer

Model

Capacity Litres

Serial No.

General Installaion

Has a check been done for joint tightness and leaks? Yes No

Has a check been done for electrical safety? Yes No