

## 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 manufacture'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 2

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 4

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 6

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 8

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



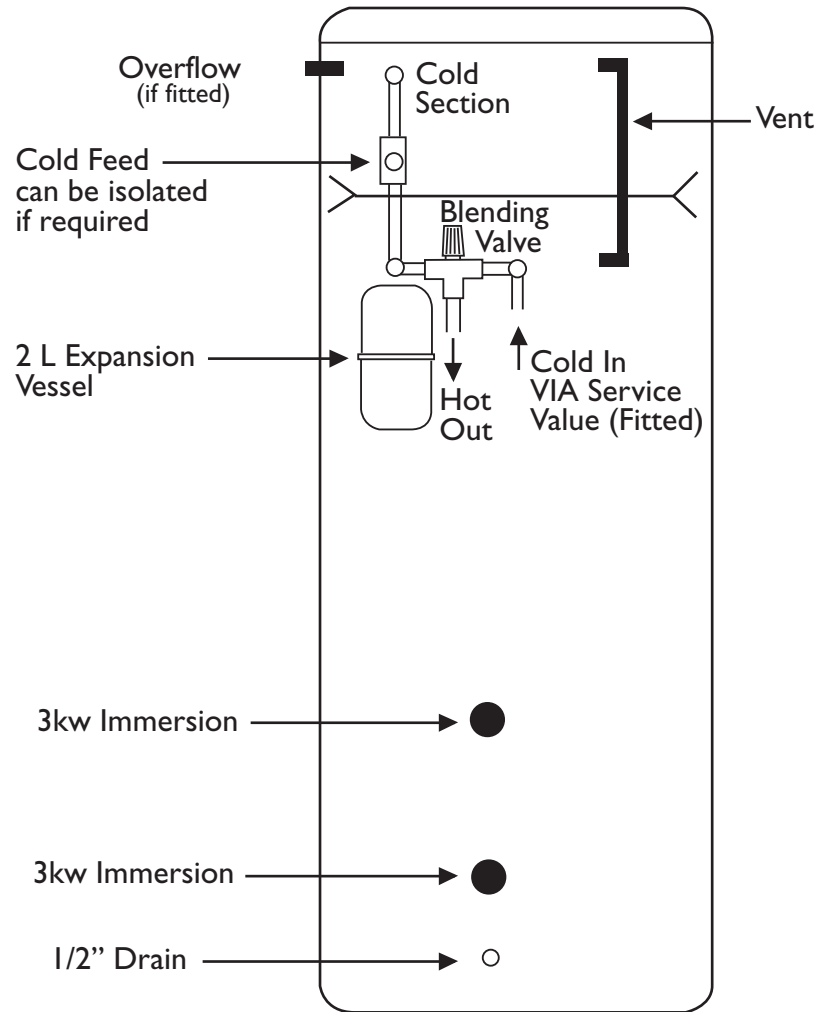
# INSTALLATION AND USER GUIDE

# ADVANCE ELECTRIC THERMAL STORE ETS 160

**ADVANCE APPLIANCES LTD**

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

## SCHEMATIC



## 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 Installation

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

Has a check been done for electrical safety? Yes  No

## 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 0005
Control Thermostat for above (high temp)	AA 0006
Blending valve	AA 0002
Expansion vessel 2 litre	AA 0001

Only use authorised replacement components.

## 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 for single tariff or low load preferences, please connect only the bottom heater. This is a hot water only thermal store.

Mains pressure hot water is provided safely at 20 litres per minute provided an adequate service is connected to the unit. This enables power showering without a pump and fast bath filling.

The unit can be fitted and left unconnected to the filling point if it is not possible to fit an overflow.

## 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.

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

160 litre unit for single standard bath and shower

## 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.

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.

If the cold service to the ballcock in the cold section is turned off or disconnected it will not be necessary to fit an overflow, make sure that the cold section has a 50mm depth of water.

If the overflow is connected it must be 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 75° C There is a thermal cut out on the thermostat. This may trip from time to time and need to be re-set. Use only approved replacements.

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. As they are well insulated this is the most economical way of running the unit. It is important that the store temperature is maintained.

It is critical that the water level is checked if the unit doesn't have the cold service connected to the ballcock. About 50 mm depth in the cold section is required.