

SERVICE INTERVAL RECORD

Service regularly by an approved engineer and record details below

SERVICE 1 Date

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

SERVICE 2 Date

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

SERVICE 3 Date

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

SERVICE 4 Date

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

SERVICE 5 Date

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

SERVICE 6 Date

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

SERVICE 7 Date

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

SERVICE 8 Date

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



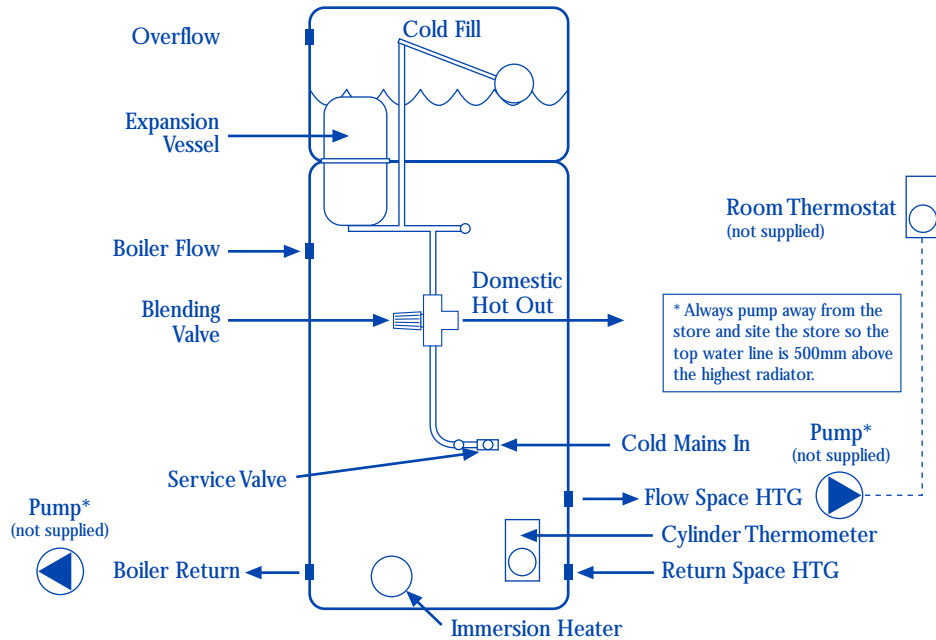
**INSTALLATION AND
USER GUIDE**

**ADVANCE OIL/GAS
THERMAL STORE**

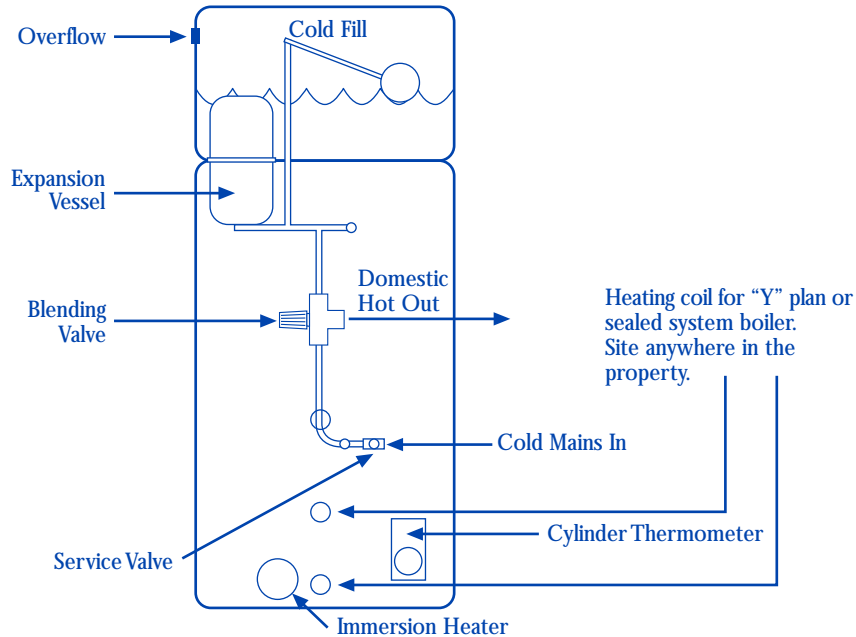
ADVANCE APPLIANCES LTD

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

DIRECT UNIT



INDIRECT UNIT



INTRODUCTION

Advance Thermal Store units for gas/oil or LPG boilers store a bank of hot water at 75 degrees centigrade and utilise an internal, efficient heat exchanger to supply domestic hot water for showering and fast bath filling.

COLD SUPPLY

A minimum of 2 bar pressure through a 22mm pipe is optimum. Below this the performance may be compromised. Test the household supply by turning on mains fed taps to ensure satisfactory flow rates can be achieved. Above 18 litres per minute is the recommended flow. It is the installer's and householder's responsibility to check these before installation.

Fit a 3 bar control valve (not supplied) if pressures are likely to be in excess of this.

NOTE: Mains pressures usually increase from late evening to early morning.

INSTALLING & PROBLEM SOLVING

Only fully pumped systems are suitable.

Ensure the unit is installed on a flat, level surface and that it is accessible for future maintenance and that the floor will support the weight of the unit. The weights are published in the technical data section at the back of this publication.

DIRECT units (single coil) must be fitted ABOVE the top of the radiator circuit. INDIRECT (twin coil) can be fitted anywhere in the property. Units must be in a frost free environment.

Set the thermostat to 75 degrees. Most boilers will achieve this temperature and some may exceed it. Searching between cylinder and boiler thermostats must be avoided. Advice on wiring is given below.

If hardness exceeds 200ppm, use a treatment to soften water. Scale build-up can happen rapidly and reduce flow and efficiency.

Always flush after commissioning but DO NOT USE heavily chlorinated solutions unless you are prepared to thoroughly flush the whole heating system after heat up and cool down.

Use inhibitor in heating systems. For DIRECT models allow for the extra capacity of the store. For INDIRECT models inhibit the store itself.

If flow is poor check incoming water supply and make sure all valves etc. are fully open.

If temperature is poor check thermostat is set at 75 degrees and that the blending valve is set at the appropriate temperature.

Check all controls. Always set boilers to maximum. Always use an appropriate boiler size (see technical data). Modulating boilers may compromise performance by extending recovery times.

The overflow must be metal or solvent weld, at least 22mm in diameter and set in continuous fall.

Continuous dripping may be caused by a high level of water in the cold section, in which case adjust the position of the ball float valve. If it is a faulty valve, replace and re-commission. The lid can easily be removed, unscrew any holding screws and ease off. If the problem persists, shut off cold mains to check integrity of heat exchanger. If this is breached, replace the unit.

SERVICING

This should be done every 18 months to two years. Fill in the form at the back of this publication - you may need it in case of warranty issues.

Service the expansion valve by inflating to 3 bar, check condition of ball and float valve and ensure store is inhibited with a proprietary brand of inhibitor.

WIRING

For indirect units a Y, S or W plan can be used.

For direct units, two pumps are recommended and pump No.1 should be linked to the cylinder stat to control boiler input. Pump No.2 can be connected to the room thermostat to call for space heating. Used with an appropriate manifold the units can be run at lower temperatures for under floor heating but must be upsized for hot water duty using the next size up. The full system must be linked to an appropriate programmer to time on and off periods.

Boilers with pump over-run may deplete store temperatures. Consult the boiler manufacturer for advice on fitting a by-pass to overcome this.

USING THE UNIT

Programme the unit to be on for at least twelve hours per day, especially during periods when there is a hot water demand as this will ensure proper operation.

DO NOT be tempted to reduce the thermostat temperature. Thermal Stores operate at higher temperatures than storage systems and are economical to run at these temperatures.

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.

WARRANTY

CAPACITY	WEIGHT FULL Kg	MINIMUM BOILER SIZE	HGT X DIA mm
140 ltrs	190	40,000 BTU/12KW	1190 x 600
170 ltrs	225	60,000 BTU/18KW	1380 x 600
210 ltrs	270	80,000 BTU/24KW	1630 x 600
250 ltrs	315	100,000 BTU/30KW	1880 x 600

SPARE PARTS

EXPANSION VESSEL	AAEX2POT
BLENDING VALVE	AABV 22
THERMOSTAT	AATS 90
IMMERSION HEATER	AAIH 1.75

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 pressure reducing valve (if fitted) is 3.0 bar static and adjust if necessary.
2. Check flow rates are correct at 18 litres per minute. Clean filter in pressure reducing valve only if required.
3. Check expansion vessel charge is 3.0 bar - inflate as required after decommissioning the cold supply.
4. Check 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

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