Servicing Requirements (heating appliances)

The heating appliances at the heart of your system, requires regular maintenance.

For all Heat IQ supplied appliances the warranty is for 12 Months from date of purchase Warranty is extended by a further 12 months up to the maximum term, each time the appliance is serviced

If servicing is not carried out within each 12 months Plus a 28 day grace period the appliance warranty is terminated at this point.

The following requirements apply.

Gas Boilers

Gas boilers should be serviced by a competent gas engineer annually; this should be a visual inspection within the boilers inner heat exchanger casing. Particular attention should be made to ensure there are no leaks, particularly around the automatic air vents typically found on the pump housing and at the head of the internal heat exchanger. **Importantly** 1/ Run a combustion analysis check using a calibrated Analyser to ensure the appliance is operating as the parameters in the manual. 2/ The flue should be inspected and any external obstruction to the terminal, removed. 3/The condensate trap should be removed and cleaned. 4/ the system inhibitor level should be checked using an inhibitor test and topped up if required. System pressure should be set to 1 to 1.5 Bar *We recommend an inspection camera is used to view inside the burner chamber and if required the heat exchanger should be cleaned*

Flue Gas analysis readings should be recorded on or with the servicing invoice

Approximate servicing time 1Hr

Diesel boilers

The burner should be removed, inspected and the blast tube cleaned. (The nozzle must be replaced with a new item of the correct size and suitable for diesel, we carry these in stock) The main flue baffle plates within the blast chamber should be removed, cleaned and re fitted. The spring like baffles in the upper condensing chamber and chamber tubes must also be thoroughly cleaned. The condensate trap should be removed and cleaned. **Importantly** The burner should be re calibrated using a smoke test gun, an oil pressure gauge, and calibrated flue gas analyser. The system inhibitor level should be checked using an inhibitor test and topped up if required. The oil tank and or burner Diesel filters should be cleaned. And the fire valve operation checked.

Flue Gas analysis readings should be recorded on or with the servicing invoice

Approximate servicing time 2 Hrs

Air to Water Heat Pumps

The evaporator should be cleaned of all debris using a soft brush or air-line. Casings as appropriate removed and the compressor and heat exchanger/s inspected for leaks. In harsh climates silicone spay should be applied to the copper brazed connections and any other vulnerable areas within the case. Any inlet filters on the system side should be cleaned out. The system should be tested and inhibitor topped up as required and system pressure set *between 1 and 1.5 Bar. The outer case should be sprayed with silicone lubricant spray and polished over all of the cabinet.* The HP should be run and the heating differential input to output noted at 5 mins from start noted and left with the machine for future comparison Approximate service time 1 Hr – 1.5 in harsh environment cases

Note relating to all heating appliances

In all cases: NTC temperature sensors – Thermistors – and flow switch sensors are considered infrequent service items covered for only one year and parts only in the appliance warranties - though we do not recommend service replacement at each service