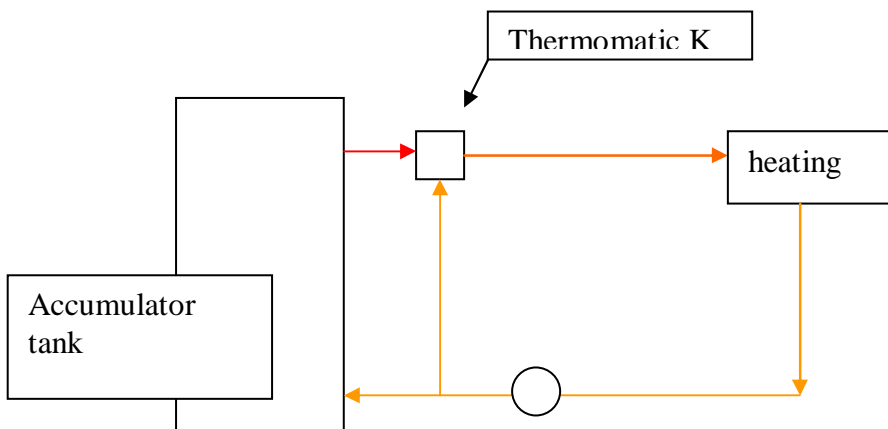


## ACCUMULATOR TANKS

These are necessary for the boiler to operate to optimum efficiency by carrying out the following functions:-

1. To act as a heat store allowing the boiler to run for longer periods whilst filling the tank, these are the conditions that biomass boilers operate best under.
2. It absorbs heat from the boiler when in slumber mode e.g. 25Kw will give off 5 Kw/h and the tank will absorb this even when fully hot.
3. It acts as a buffer between the boiler and the heating system - this allows us to undersize the boiler - so when the heating and/or hot water heating is turned on and is drawing more heat than the boiler can supply the heat stored in the tank can be slowly used up and then replenished later - perhaps overnight.

It is very important to maintain the layering of the hot water inside the tank - 'stratification' this means a distinct layer between very hot and warm water and this is achieved by the Ladder mat when filling the tank, but returning water from the heating system can destroy this, so we always recommend using a blender valve 'THERMOMATIC K', so that water returning to the tank is kept to a minimum.



We can offer you tanks from the following manufacturers:

1. AKVATERM - 500 > 5000ltrs all with extra heat exchangers for domestic hot water or solar heating
2. NEHS - sms tanks , excellent value with or without heat exchangers and domestic hot water storage, sizes from 500 > 5000ltrs. Complete with 100mm soft foam insulation and cover.