

## NRG Zone - System Schematic -24

### Note:

The patented principle of the NRG Zone manifold isolates the lowest temperature water returning from zones and directs it back to condensing boilers to promote maximum condensation.

At the same time it allows any unused heat from the boilers to have a direct bypass back to the Solid Fuel appliance to minimise condensation in the Solid Fuel appliance. This is beneficial since condensation can lead to corrosion in the appliance.

In this way each boiler's efficiency is uniquely maximised with a positive affect on both running costs and heat-up time.



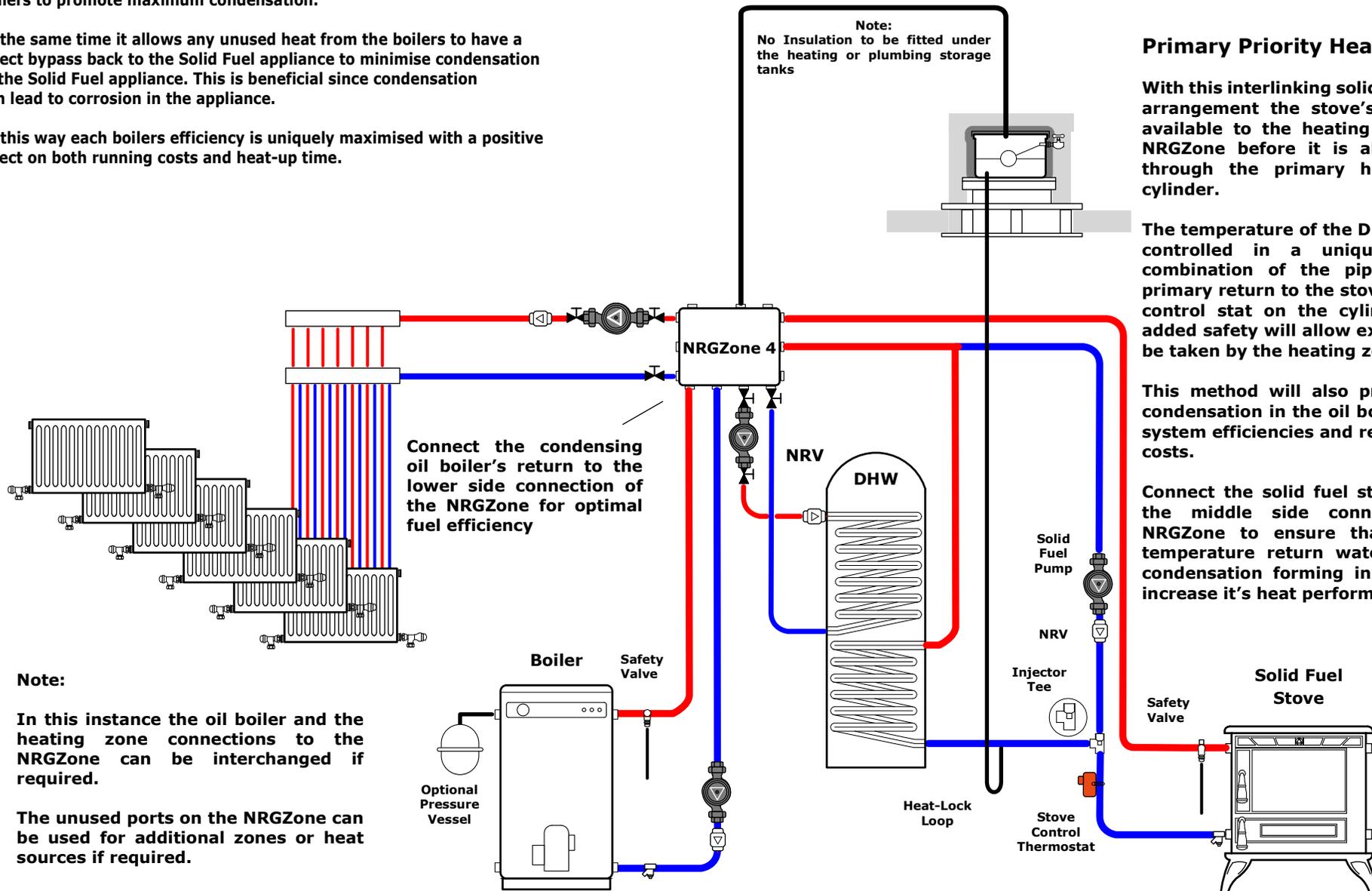
### Primary Priority Heating Method

With this interlinking solid fuel pipe-work arrangement the stove's heat is made available to the heating circuits in the NRGZone before it is allowed to pass through the primary heat leak DHW cylinder.

The temperature of the DHW can then be controlled in a unique way by a combination of the pipe stat on the primary return to the stove and the DHW control stat on the cylinder which for added safety will allow excessive heat to be taken by the heating zones.

This method will also promote optimal condensation in the oil boiler, increasing system efficiencies and reducing running costs.

Connect the solid fuel stove's return to the middle side connection of the NRGZone to ensure that the highest temperature return water will prevent condensation forming in the stove and increase its heat performance



### Note:

In this instance the oil boiler and the heating zone connections to the NRGZone can be interchanged if required.

The unused ports on the NRGZone can be used for additional zones or heat sources if required.