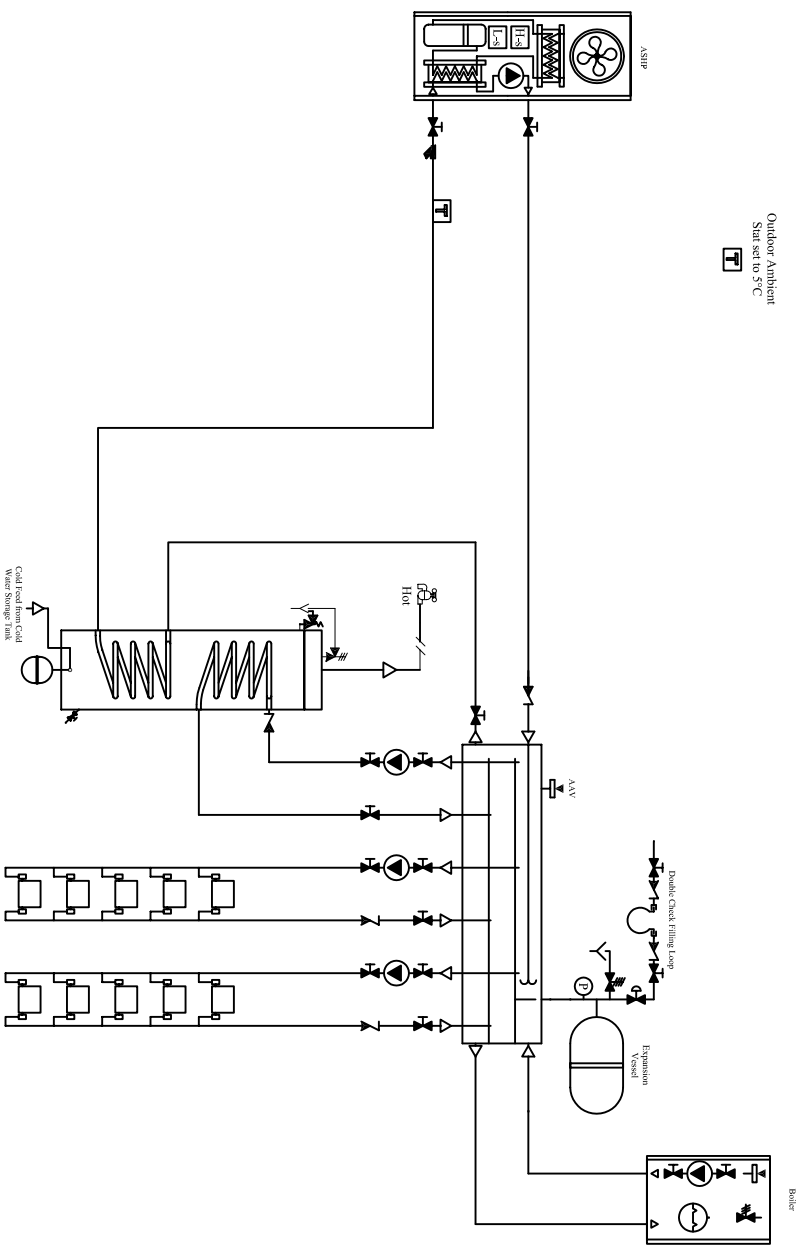














### Note

Non-return valves are required on Sysstem-ht's outboard zone flow pipe-work only when the zone is piped at a higher level than the Sysstem-ht. In that situation, a non-return valve must be positioned in front of the zone pump. This will prevent the creation of a gravity fed, thermo-siphoning loop, which would cause continued supply of heated water to the radiators in that zone, even when the zone's pump is no longer required and has been switched off.



Temperature Mixing Valve

- |                                                                                   |                           |
|-----------------------------------------------------------------------------------|---------------------------|
|  | Temperature Relief Valve  |
|  | Pressure Regulating Valve |
|  | Flow Regulating Valve     |
|  | Pressure Reducing Valve   |

- |                                                                                   |                        |                                                                                   |                     |
|-----------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|---------------------|
|  | Strainer               |  | Direction Arrow     |
|  | DW Pressurisation Pump |  | Hi-Pressure Switch  |
|  | Drain Cock             |  | Hi-Pressure Switch  |
|  | Circulating Pump       |  | Low Pressure Switch |

Example-System Zone 5, Air Heat Pump, Gas Boiler,  
Domestic Hot Water Cylinder, 2 Radiator Zones  
Ref. Crystal Air

**SystemLink**  
C2 South City Business Centre,  
Tallaght, Dublin 24  
Tel: 00-353-(0)1 4031200  
Fax: 00-353-(0)1 4137777  
e-mail: [info@c2systemlink.ie](mailto:info@c2systemlink.ie)

Date: 11-01-2012