SystemZone

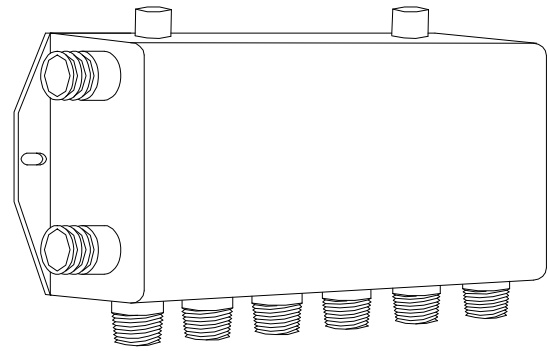**Fluid Collection and
Distribution Manifold**
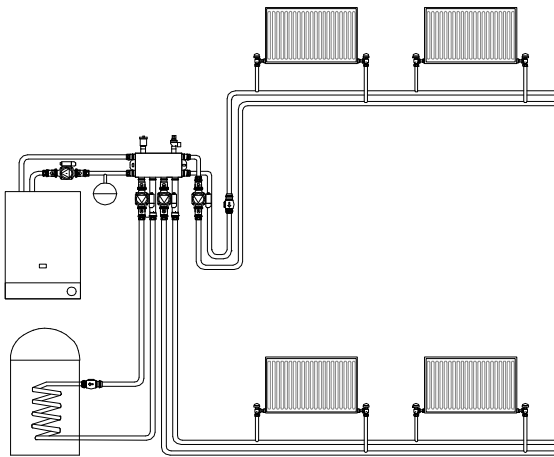
Residential applications

Simple configuration for a residential dwelling constructed by the volume builder

The layout on the left is typical for a normal sized family house or apartment with one boiler, two central heating zones (bedrooms and living areas) and a hot water zone.

Zoned time and temperature controls are now a legal requirement in most European countries and are required by clients who look for comfort at an economical price.

SystemZone simplifies the installation for the builder and also reduces the material and labour cost. System functionality is assured and call-backs reduced or eliminated.
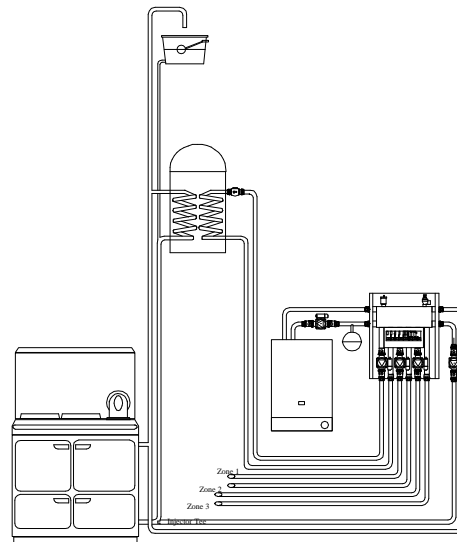
Sealed heating system with cooker and boiler

SystemZone is suitable for sealed or open systems and can deal with any combination of heat sources.

In the illustration on the right, an oil, gas or solid fuel cooker is interconnected with a wall-hung boiler in a simple way. With a solid fuel cooker, a gravity fed circuit (as shown) is necessary to provide a heat leak to the hot water cylinder. In this case, the cooker also has a secondary pumped circuit through through an injector tee at the cooker's return. This provides heat via the SystemZone for the general requirements of the house.

It is easy to add ground source or solar heat to the system at any stage

Mixed system heating applications for the larger residence

SystemLink can be used to combine many different sorts of heating equipment in a very simple fashion.

The installation on the left shows how a SystemZone unit may be used to combine the required output for under floor heating, fan convectors, radiators and a domestic hot water cylinder.

The heat comes from two boilers that operate individually or in tandem as required. Neither boiler interferes with the other while operating or at rest.

Each section can have separate time and ambient temperature control as required.