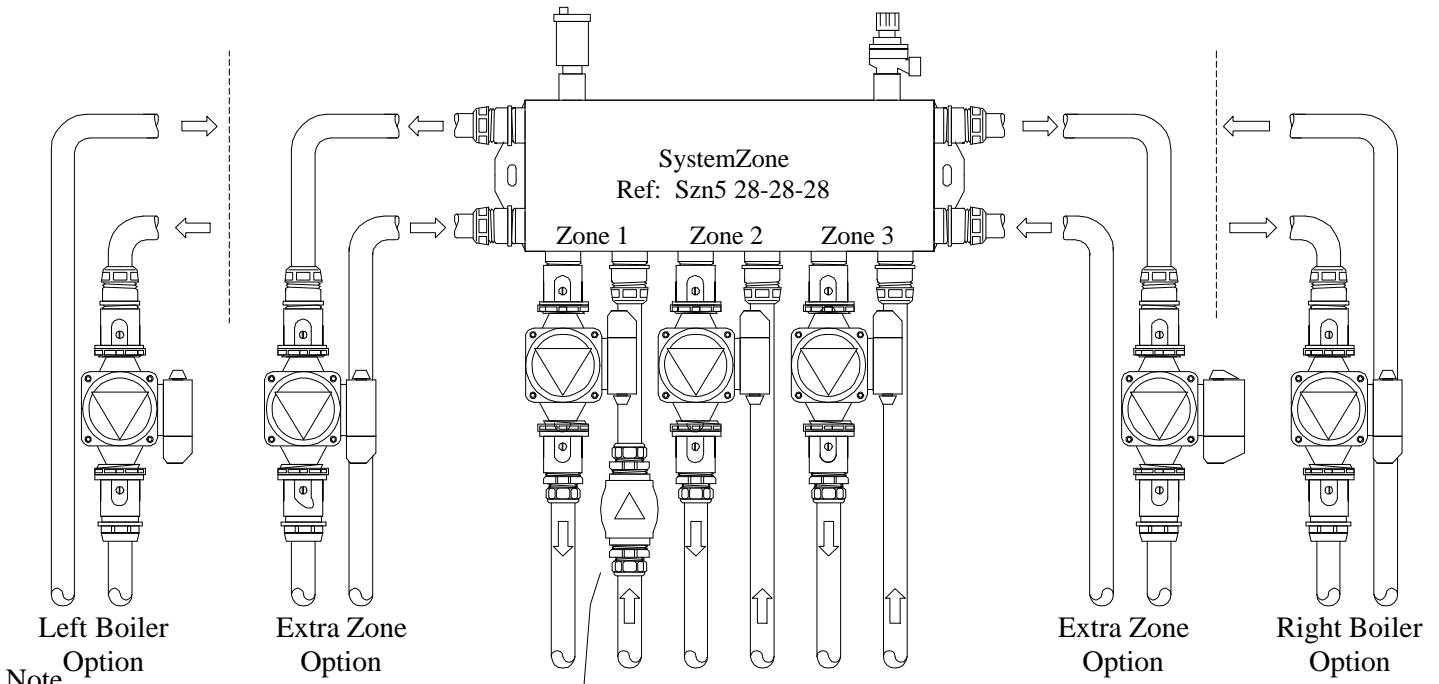


# SystemZone Method 1

## Optional Configurations with Boiler at Side Connections

Single boilers may be connected to either set of side ports or two boilers may be connected in tandem. If a second boiler is not to be used, then, if required, the side ports may be used to create an additional zone. In that event, the flow & returns on the additional side zone change direction, as shown by the arrows below.



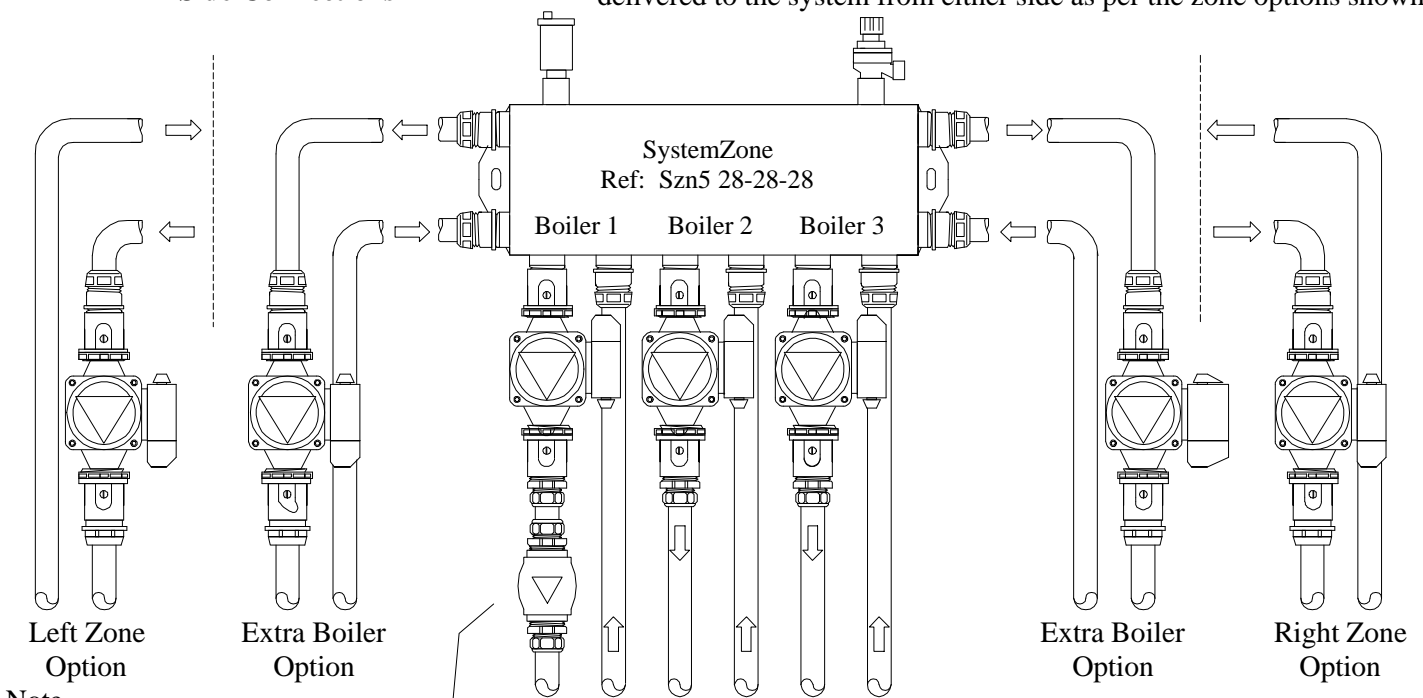
**Note**

Non-return valves are required on each zone only when that zone is to be piped to a higher level than the SystemZone. In that situation, a non-return valve must be fitted on the return connection of the circuit. This will prevent the creation of a gravity fed, thermo-syphoning 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.

# SystemZone Method 2

## Optional Configurations with Zones at Side Connections

If a second zone is not to be used, then the side ports may be used to allow an additional boiler. In that event the flow & returns on the side change direction, as shown by the arrows below. The heat is then delivered to the system from either side as per the zone options shown.



**Note**

Non-return valves are not required where boilers' outputs are simply combined to create one large zone output. Should the situation occur where a number of the boilers are to be eliminated from the circuit, due for instance, to modulating control call, then non-return valves should be located in *front* of the pumps on the return to the boilers, to prevent inadvertent heat movement through the out-of-circuit boilers.

Due to product development, certain design elements and specifications may change on an ongoing basis