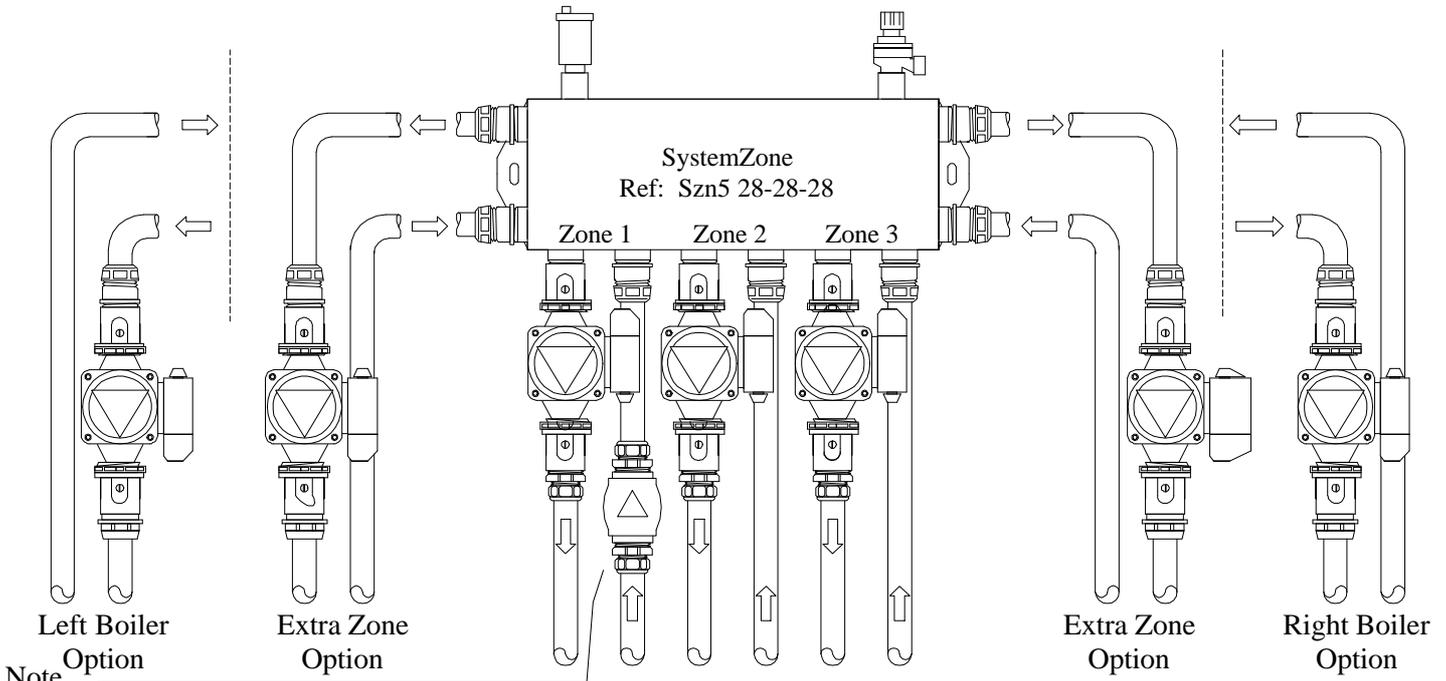


SystemZone Method 1

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.



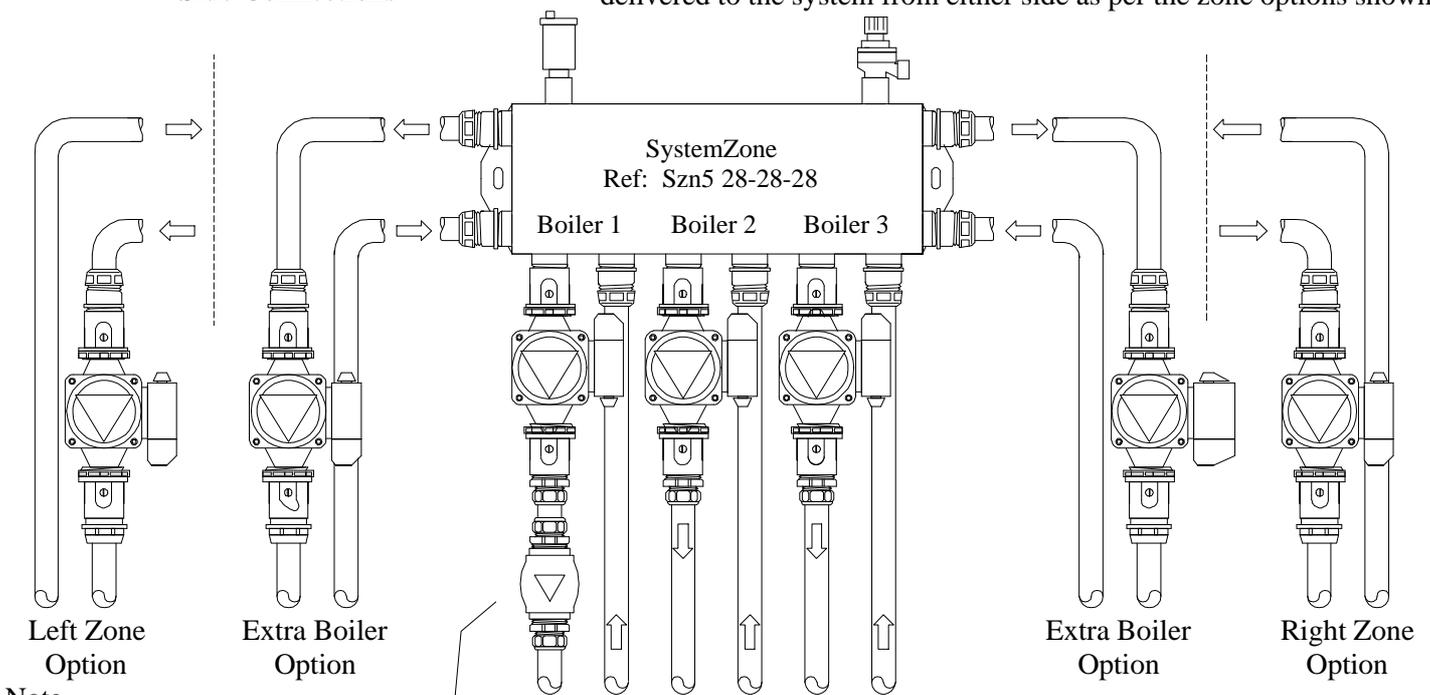
Note

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