

Technical Bulletin

Installation: MC400 flow sensor

FLOW SENSORS FOR PLATE HEAT EXCHANGERS

When using the MC400 cascade sequence controller in conjunction with the Condens 7000 WP, the wet sensor 7-735-600-657 must be used. This sensor ensures accurate temperatures are detected by the MC400 in the system water. This eliminates any temperature transfer issues associated with sensor pockets or direct contact with the pipe work.

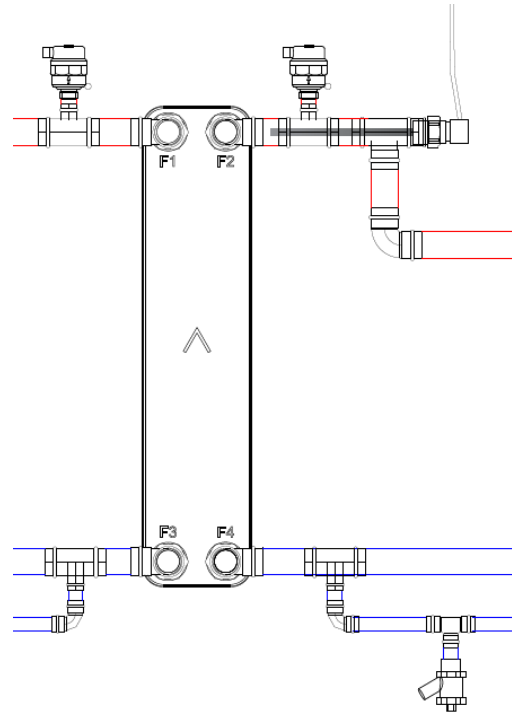
Cascades of Condens 7000 WP boilers can be used either with Low Loss Headers (LLH) or plate heat exchangers (PHE) and both options can be used with the MC400 sequence controller.



When using the MC400 with a PHE, the wet sensor will need an appropriate pipework arrangement to allow the sensor to be inserted at the correct position.

The example below shows how this can be achieved using standard pipe fittings. The sensor must be positioned to sense the flow out of the PHE to the system.

The sensor kit comes with optional spacer fittings which can be used to adjust the penetration length of the sensor into the pipe. The spacer fittings have a standard ½" BSP tapered thread and the sensor itself is 200mm long.



- ▶ Always use the wet sensor 7-735-600-657 with the Condens 7000 WP boiler cascades
- ▶ Ensure the sensor tip is positioned in the flow as shown
- ▶ Always position the sensor in the flow out of the PHE

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