

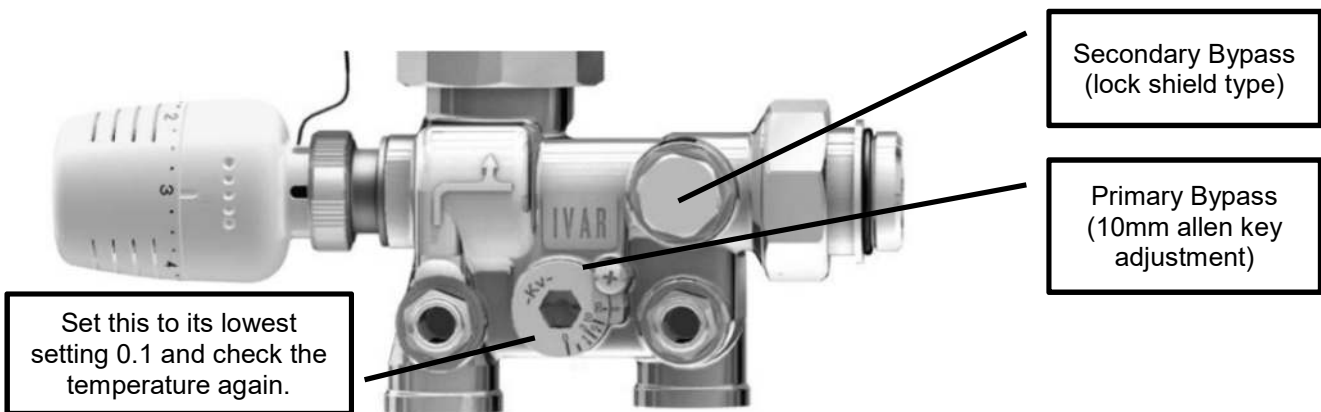
Robbens Premium & Standard manifold Trouble shooting

Temperature overshoot / No temperature control

Occasionally the water temperature within these manifolds can overshoot what's set on the water temperature control. If this happens it will happen during installation and can be easily rectified with a few tweaks to the manifold.

The cause of it is generally due to excessive pump pressure on the supply water to the manifold. The manifold is sent out from Robbens setup to allow some of the supply water to bypass back down the return before the blending unit. This helps in most installations reduce pressure on the thermostatic head and preventing vibration noise through the valve as it shuts. However, if the pump pressure is too much then the hot water entering the manifold can be forced back through the return and through the blending unit the wrong way. If this is the case, please follow the instructions below to rectify the issue.

- On the front of the manifold set the primary (KV) adjustment bypass to its lowest setting (0.1).
- If any noise then comes from the thermostatic head then make an adjustment at the boiler on the pressure differential bypass that should be fitted there until the noise stops.
- Check the water temperature to see if this has fixed the problem.



If the above adjustment did not fix the situation then please check the following:

- Ensure the secondary bypass is open by at least three turns by removing the cap and internal grub screw.
- Then using a 5mm allen key fully close the valve (clockwise) and then reopen it (anticlockwise) three full turns.
- You can then replace the grub screw and cap.
- Remove the thermostatic head but not the sensor probe above the pump.
- Manually fit a hand wheel to the newly exposed valves standard M30 thread and screw the valve tightly closed.
- Check the water temperature again.
- If the temperature drops then refit the thermostatic head and ensure this time that the head is tightly fitted and screwed down correctly. A pair of water pump pliers is good for this but ensure you do not tighten it so much you break the collar.
- Check the water temperature again.
- If the temperature is still to high then you may need to try a replacement thermostatic head and sensor (CON0143). Ensure you get the same temperature range head as you have already to save having to drain down the system.

If you are still experiencing problems after this then you can try adjusting the secondary bypass to increase or decrease the mixing of returning water through manifold using a 5mm allen key. In an extreme scenario where the above doesn't work your system may have been in some time and you could also try replacing the entire blending valve insert itself which can be purchased via our website www.underfloorheating.co.uk and search for the part VAP0039.