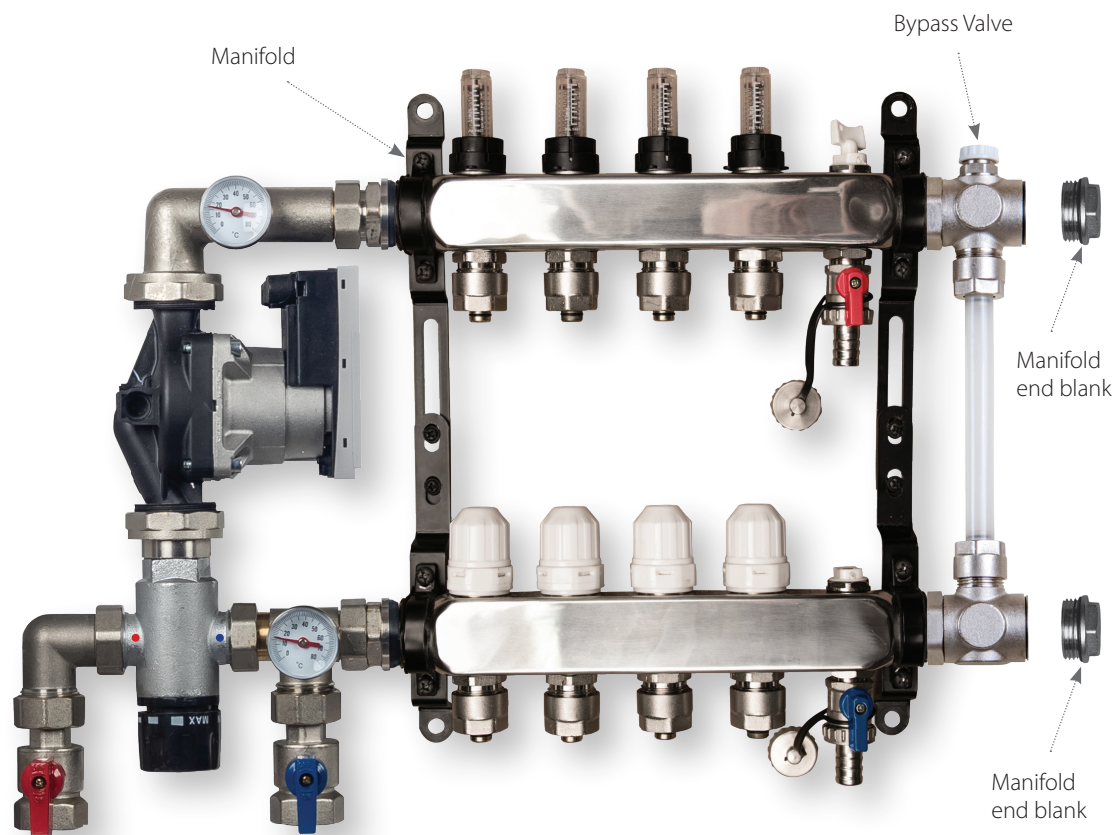


Pic 1.



## Manifold Bypass Assembly

A manifold bypass assembly may be necessary when using electronic controls without a delay.

The bypass will allow the pump to function without the actuators having fully opened. The function of the bypass is to allow a minimum flow to be maintained through the boiler, preventing boilers locking out when minimum flow rates are not achieved due to particularly small areas using short pipe circuits.

**The bypass comes pre-assembled with bypass valve pre-set (2 turns back from shut) and can locate on either the right hand end or left hand of the manifold between the pump and manifold.**

Remove the manifold end blanks from the manifold bars and fit bypass assembly onto bar ends. Replace manifold end blanks into bypass union open ends.

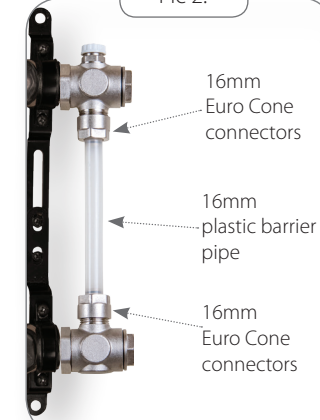
The bypass is ready set for bars at 210mm spacing, for manifolds set wider apart the bypass tube can be removed and replaced with an offcut of 16mm floor heating pipe, using 2x Euro Cone connectors to connect to the bypass valve and lower union (pic 2)

Do not use hemp and paste, overload with PTFE or overtighten, liquid PTFE is preferred.

### PLEASE NOTE:

When fitting a manifold and bypass assembly into a waterproof cabinet, the extra overall length will need to be considered when selecting the cabinet size.

Pic 2.



Free Technical support - 0800 5420 816

# PLEASE READ: Important set-up info

In some cases, if the pump circulation speed and flow meters are not set up properly, the premium mixing valve may whistle. to avoid this, check you have covered the following points during installation.

## MANIFOLD SIZE:

**2-4 ports** - total floor heating pipe length of up to 400 metres, the pump should be set at **no higher than speed 1**

**4-8 ports** - total floor heating pipe length of up to 800 metres, the pump should be set **no higher than speed 2**

**8-12 ports** - total floor heating pipe length of up to 1200 metres, the pump should be set **no higher than speed 3**

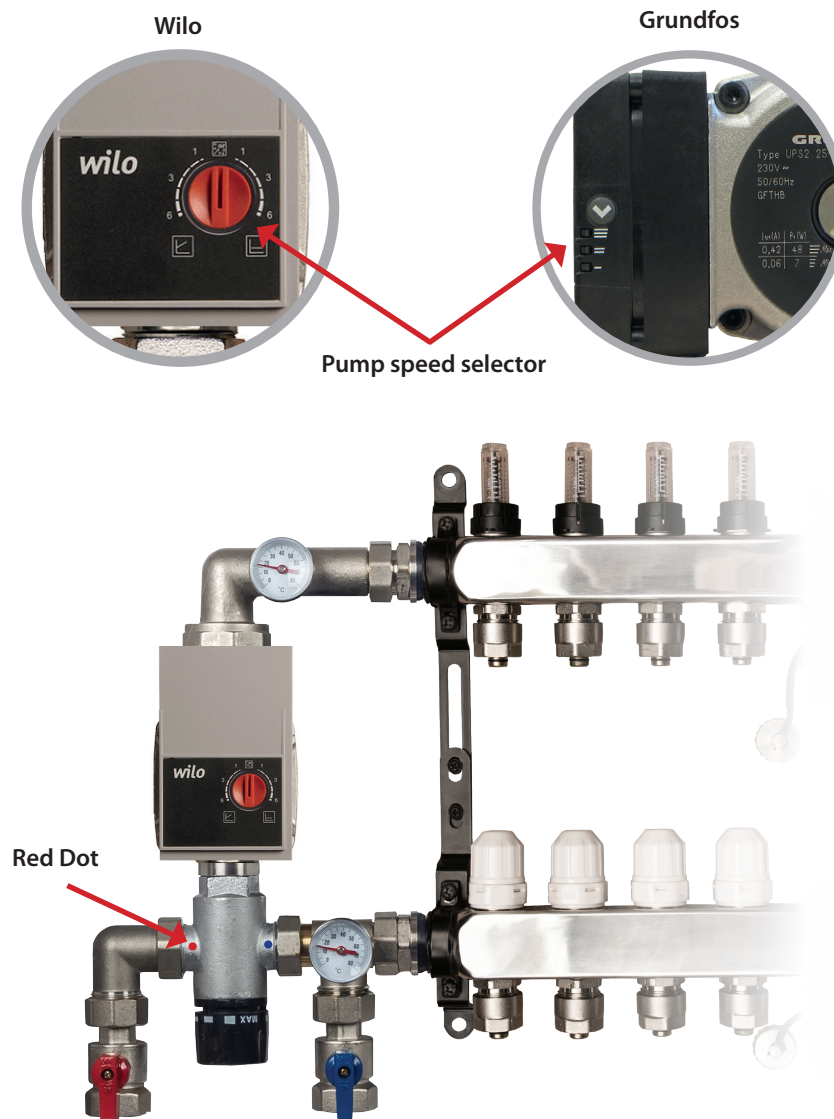
## FLOW RATES:

Each flow meter should be set up to harmonise the flow rate of each loop with the system - please follow the instruction laid out in **Fact Sheet M07 page 6** (downloadable from [www.wundatrade.co.uk/factsheets/](http://www.wundatrade.co.uk/factsheets/)) or see the online video.

## OTHER THINGS TO CHECK:

- Check that the red dot of the mixer valve is connected to the **flow**
- Check that your feed and return pipe sizes meet the requirements of the manifold.
- Make sure your isolation valves are fully open

**Please call tech support should you need any further guidance**



## Your Notes:

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**Tech support opening hours are subject to change - please visit our website for the latest information**