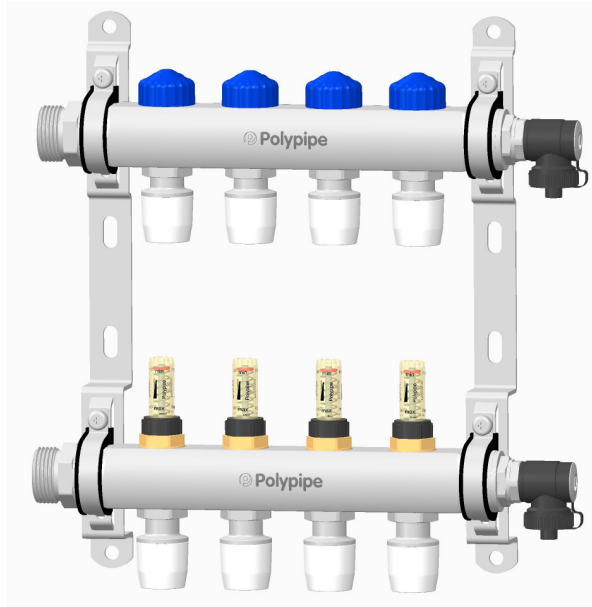


## New Manifold with Automatic flow control



### Overview

Our new manifold features a patented valve which enables automatic flow control, avoiding the risk of oversupplying any rooms and ensuring the system operates with optimum temperature distribution and uses less energy.

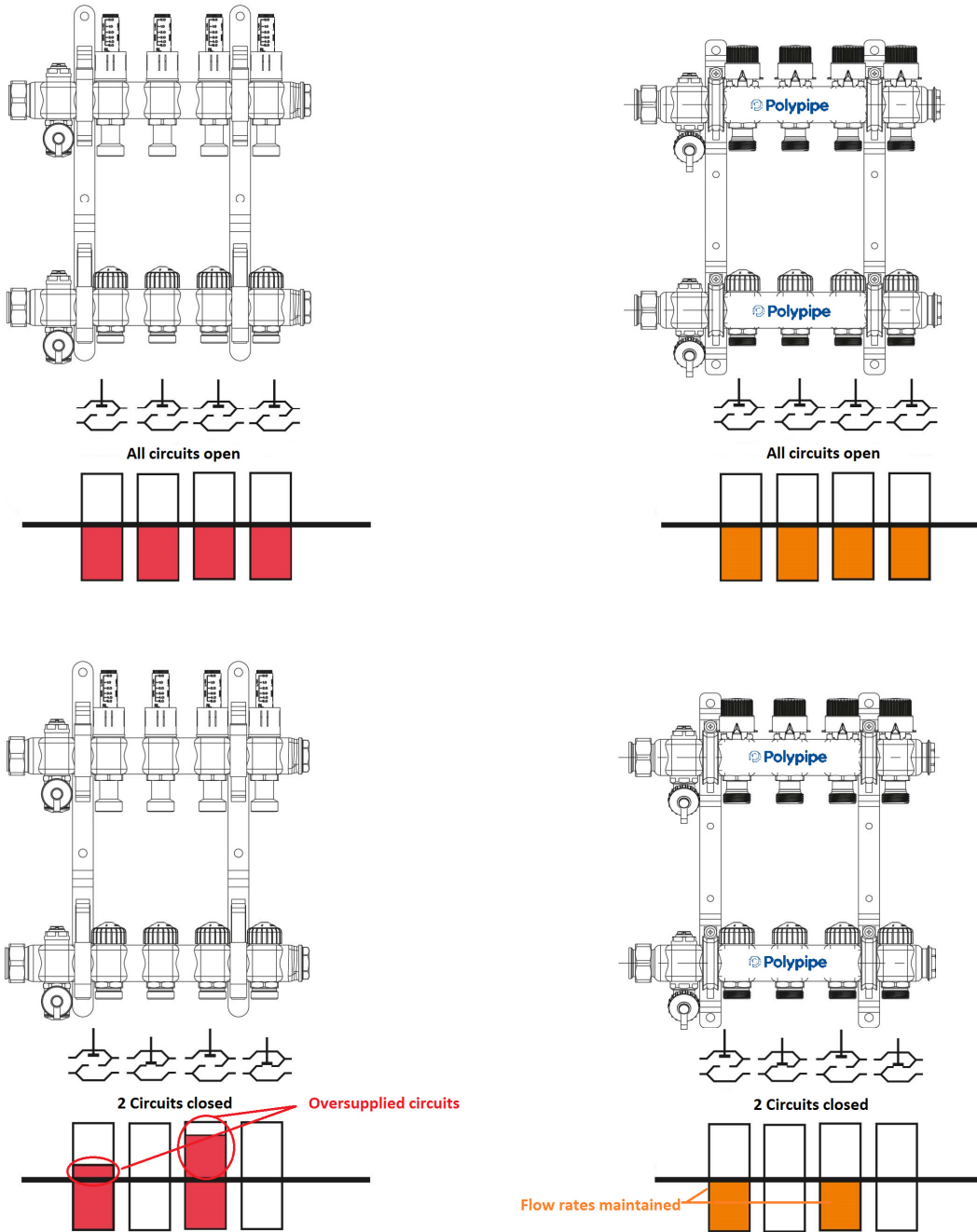
All Underfloor Heating circuits in a system are dependent on each other. Changing the flow in one circuit therefore affects all other circuits so it is necessary to balance out the resulting oversupply in the heating circuits.

In contrast to conventional heating manifolds, which use valves and flow indicators to set the required flow rates when all circuits are running, Our new manifold achieves hydronic balancing automatically with a control cartridge so that the set flow rate is maintained.

Manifold comes complete on brackets with drain / air vents and vent key, also features PolyMax fittings for easy installation and demounting.

# Polypipe

## *Underfloor Heating*




As circuits open and close the valve adjusts itself to ensure the set flow rate is maintained in each individual circuit, standard manifolds do not have this and as circuits open and close flow rates will move from the optimum set rate and oversupply some rooms.

# Polypipe

## *Underfloor Heating*

### Advantages

- Automatic hydronic balancing saving time at installation, flow rate is simply set by turning the valve with the supplied key
- Control cartridge ensures a constant flow rate
- Flow rate easily adapted to given heating loads and is calculated as part of the free design service
- No excessive surface temperatures
- Optimum temperature distribution
- Energy saving as system operates to the design
- Uniform heat output for increased comfort

|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  |     | 4   |     |     | 10  |     |     |     |     | 20  |     |     |     |     | 30  |
| <b>l/h</b>  | 30  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 |
| <b>l/m</b>  | 0.5 | 0.7 | 1.0 | 1.4 | 1.7 | 2.0 | 2.4 | 2.7 | 3.1 | 3.4 | 3.7 | 4.1 | 4.4 | 4.8 | 5.1 |

