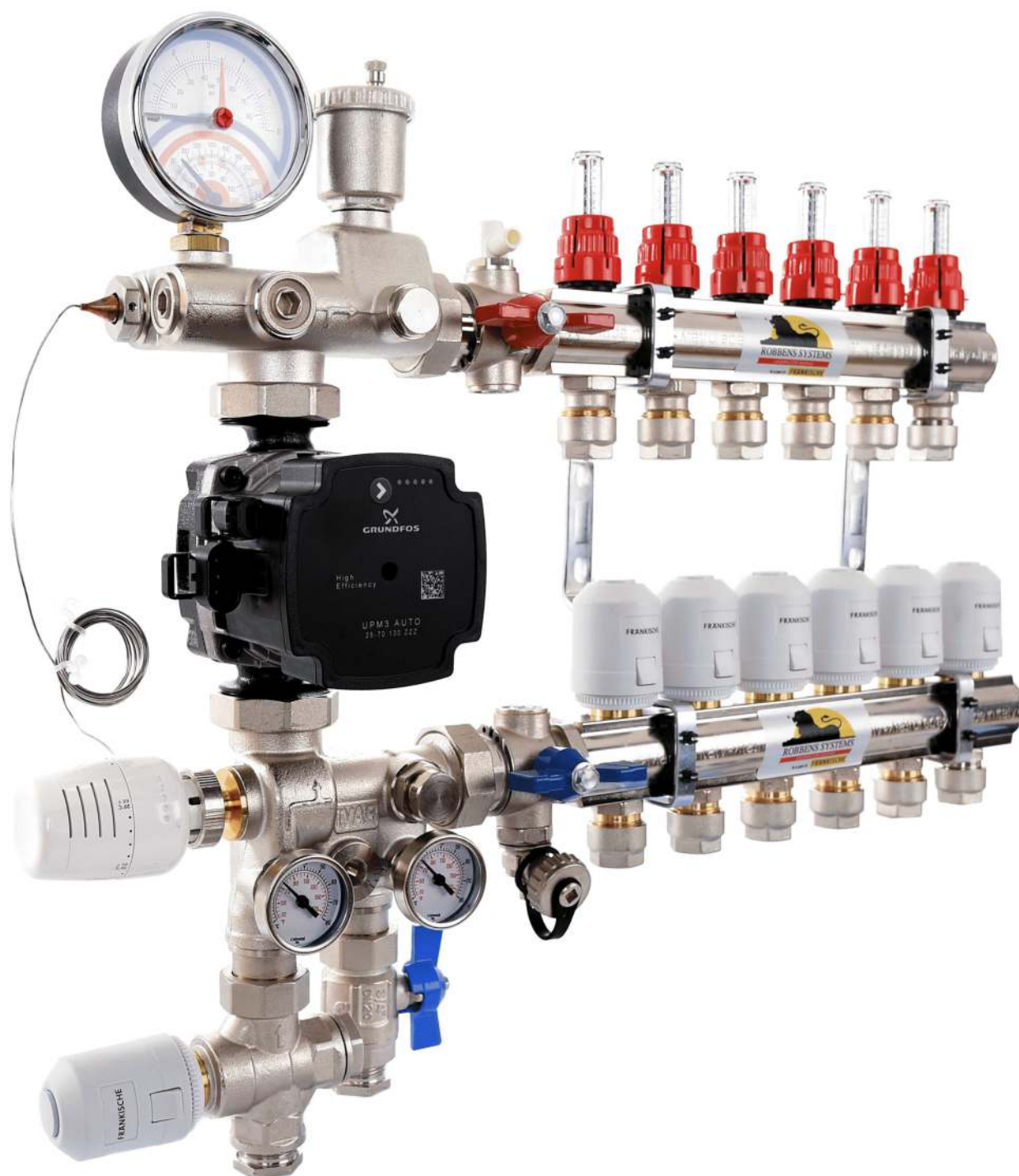


Manifolds

premium manifolds for boilers and heat pumps

The heart of every underfloor heating system is the manifold. All the pipework is brought back to this central distribution point, which is called the manifold. The main flow and returns are connected to the heat source for the building.



Manifolds

premium manifolds for boilers and heat pumps

Multi-zone manifolds provide automatic zoning of your building in conjunction with a thermostat in each room. They come supplied with water temperature blending units and have an electronic actuator on each loop, designed to turn water flow on and off. This is controlled by the room thermostat.

Single-zone manifolds (without actuators) are used where only one room needs to be heated and controlled by a single thermostat, a single zone manifold is used. The entire manifold is either on or off, and this is controlled by one main actuator, connected to the thermostat.

Boiler manifolds

Underfloor heating requires water at a much lower temperature than boilers supply - therefore the manifold must mix this hot water with cooler water. This is done by the mixing unit, which recycles water which has already been around the underfloor heating pipes.

The temperature is set on a thermostatic head connected to the mixing unit. Temperature gauges show the actual water temperature on both the supply and return valves.

Heat pump manifolds

Heat pumps supply water at a much lower temperature than boilers - usually this does not require any mixing to reduce the temperature. Robbins use a distribution manifold for heat pumps, which is designed to fit this situation.

Our distribution manifold includes a balancing valve which ensure a high flow back to the heat pump - essential for correct operation and maximum efficiency.

- **Factory assembled manifolds**
- **Mounted onto 15mm melamine faced exterior grade plywood**
- **Grundfos modulating pumps with all boiler manifolds**
- **Pressure differential valve on all heat pump manifolds**
- **Nickel plated solid brass construction**
- **Auto air vents, pressure and temperature gauges**
- **Filling points with hosepipe connections**