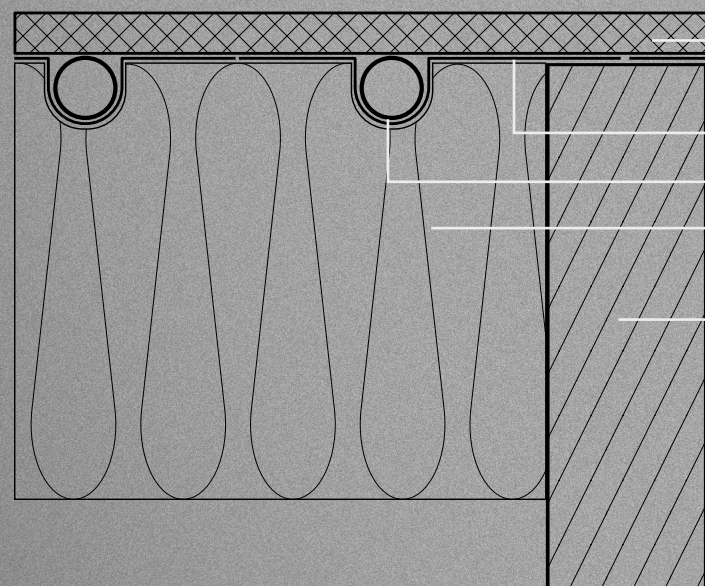




# UNDERFLOOR HEATING SYSTEMS SPECIFICATIONS





Engineered timber board

Aluminium diffusion plate

Oxygen barrier pipe

Quilted insulation

Joist

## SPECIFICATION

Base™ PLATED SYSTEM to incorporate 16mm oxygen barrier pipe. Pipe to be installed to aluminium plate between joists in accordance with pipe layout design.



# PLATED SYSTEM

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## SYSTEM

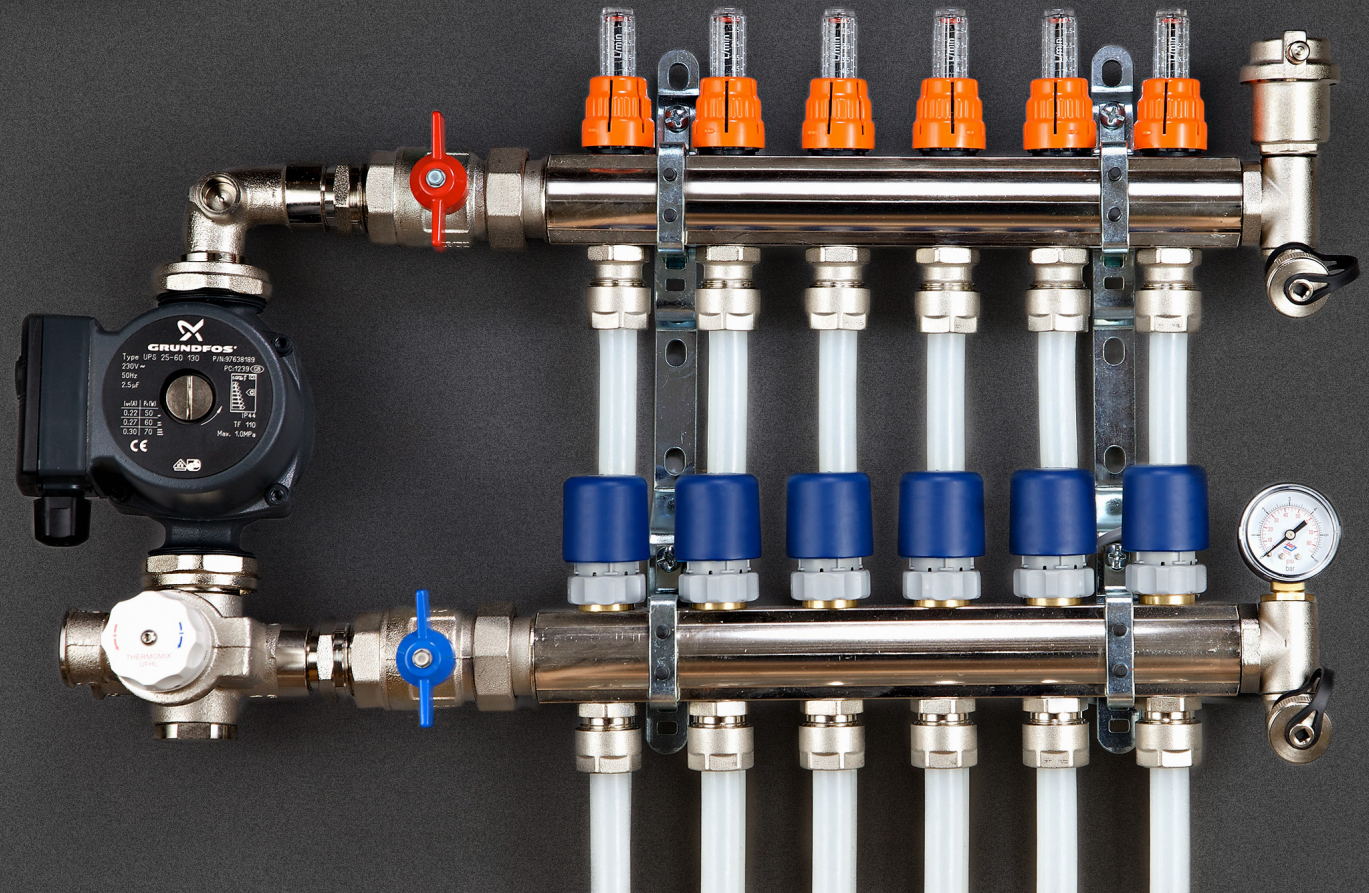
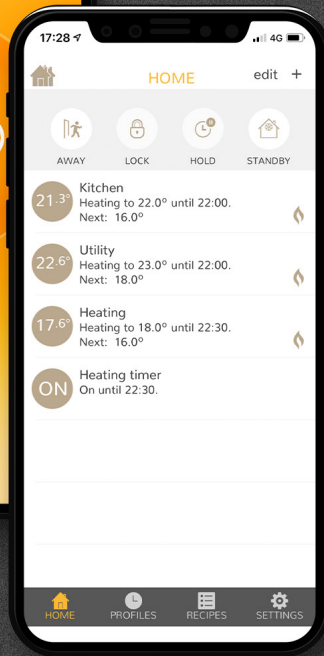
- » Base™ PLATED SYSTEM specifically designed for use within a joisted floor construction
- » Installs directly between joists finishing flush with top of joist
- » Aluminium heat diffusion plate only adding an additional 0.5mm to floor build up
- » Pipework is tightly encased within aluminium heat diffusion plate ensuring even heat distribution across the floor area
- » Aluminium heat diffusion plates offer high heat conductivity and quick system response
- » Aluminium heat diffusion plate 1000mm x 390mm x 0.6mm 10/50 commercial grade aluminium to incorporate 16mm oxygen barrier pipe

## SYSTEM INSTALL

1. Compressible Rockwool type insulation (minimum 200mm) required between joists pushed tightly to the underside of the aluminium heat diffusion plate. Insulation in accordance with required thermal performance and current building regulations
2. Aluminium heat diffusion plate to be fixed flush with top of joist
3. 16mm oxygen barrier pipe to be installed directly into heat diffusion plate channels in continuous lengths from distribution manifold spaced according to underfloor heating design
4. Joists to be notched in accordance with building regulations. Pipe to be fixed to joists using nail clips
5. Pipework to be pressure tested and remain under pressure









# MANIFOLDS AND CONTROLS

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## Base™ Oxygen Barrier Pipe

BaseUFH Oxygen Barrier pipes are high performance multilayer pipes that are both flexible and extremely resilient. Constructed from a superior cross linked polyethylene, our pipes benefit from a much higher resistance to both heat and pressure compared to other forms of oxygen barrier pipes, resulting in much greater strength and durability.

- » 100% impermeable oxygen barrier
- » Operational temperature up to 90°C
- » Retains shape for ease of installation
- » Maintenance free.
- » Meets EN ISO 15875-1:2004  
EN 1264-4: 2001 standards.

## SYSTEM CONTROLS

Our comprehensive range of innovative system controls offer the ultimate in both stylish, discreet design, coupled with intuitive, user friendly operation.

Our hardwired and wireless thermostats offer an extensive range of control options, to include touch-screen, wifi, networked and via mobile app (Apple and Android platforms)



## MANIFOLDS

Our precision engineered Base™ Nickel plated manifold offers complete system control through the utilisation of adjustable flow gauges, mixing valve and 'A' rated pump. The distribution of low temperature warm water is precisely regulated to each individual zone of the underfloor heating system.

