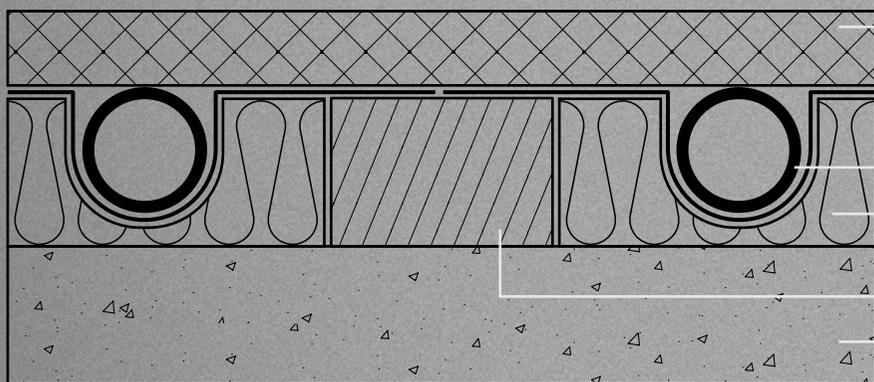




# UNDERFLOOR HEATING SYSTEMS SPECIFICATIONS



- Engineered timber board
- Aluminium diffusion plate
- PEX pipe
- Grooved EPS insulation
- Batten
- Sub floor

## SPECIFICATION

Base™ BATTEN PLATED SYSTEM to incorporate 16mm PEX pipe. Pipe to be installed to aluminium diffusion plate and pre-grooved rigid EPS insulation panel. Battens to be fixed to sub floor in accordance with pipe layout design.

# BATTEN PLATED EPS SYSTEM

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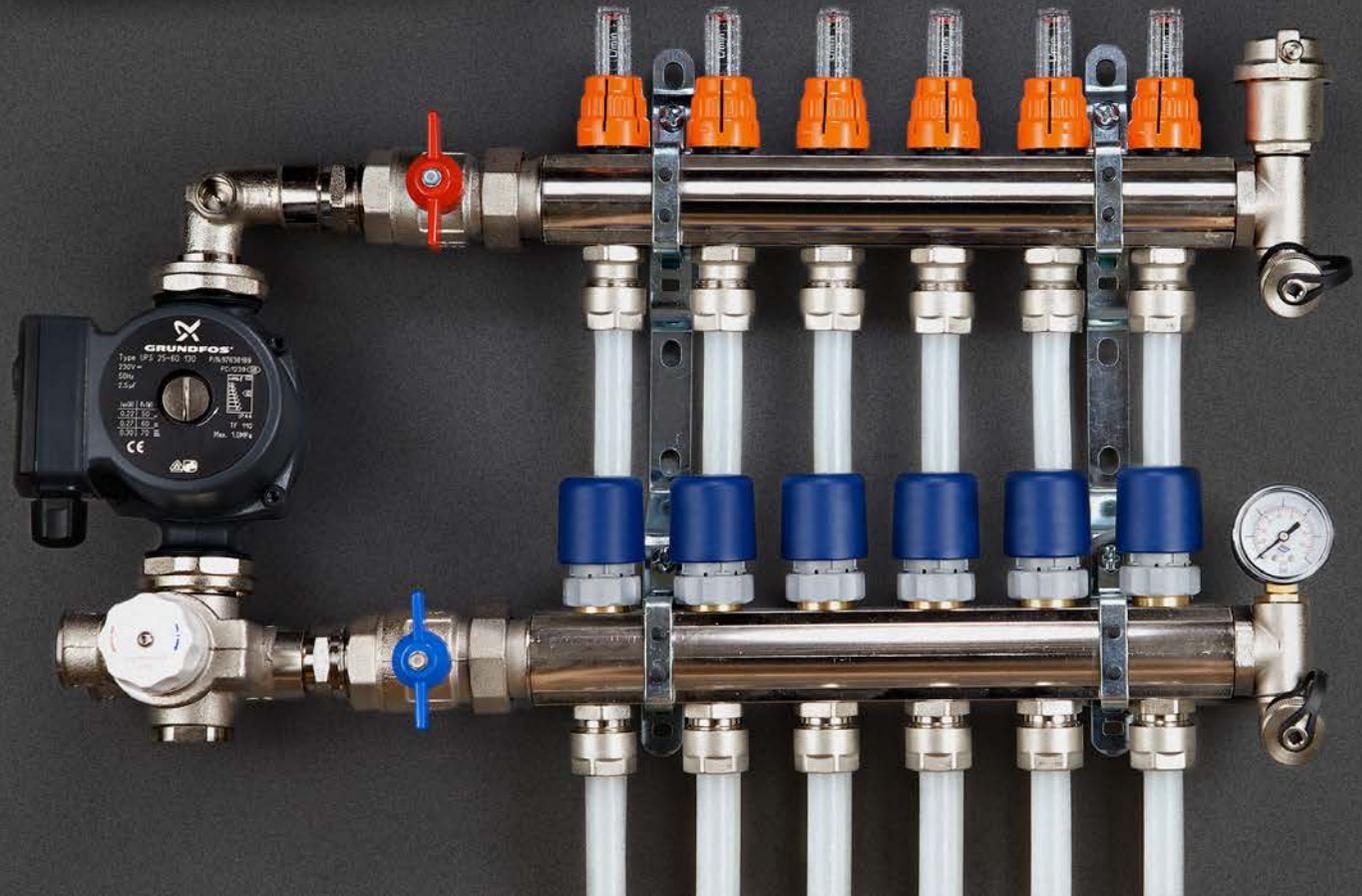
## SYSTEM

- » Base™ BATTEN PLATED EPS SYSTEM specifically designed to fit directly to sub-floor construction
- » 1200mm x 350mm x 25mm pre-grooved EPS insulation installs directly between fixed battens spaced equally to sub floor
- » Aluminium heat diffusion plate fits directly into pre-grooved EPS panel offering a low system build up of only 30.5mm
- » Pipework is tightly encased within aluminium heat diffusion plate ensuring even heat distribution across the floor area with EPS panel to counter downward heat loss
- » Aluminium heat diffusion plates offer high heat conductivity and quick system response
- » Aluminium heat diffusion plate 1000mm x 390mm x 0.5mm to incorporate 16mm PEX pipe

## SYSTEM INSTALL

1. EPS insulation panel installed directly on to subfloor between battens according to system design. (Insulation specification in accordance with required thermal performance and current building regulations. Rigid EPS panel available from 25mm depth)
2. Aluminium heat diffusion plate to be fixed directly into pre-grooved EPS insulation panel.
3. 16mm PEX pipe to be installed directly into heat diffusion plate channels in continuous lengths from distribution manifold spaced according to underfloor heating design
4. EPS insulation panel to be routed as required allowing pipe installation in accordance with design layout.
5. Pipework to be pressure tested and remain under pressure





# MANIFOLDS AND CONTROLS

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## Base™ PEX PIPE

BaseUFH PEX-a is a high performance multilayer pipe that is both flexible and extremely resilient. Constructed from a superior cross linked polyethylene, our pipe benefits from a much higher resistance to both heat and pressure compared to other forms of PEX pipe, resulting in much greater strength and durability.

- » 100% impermeable oxygen diffusion barrier
- » Operational temperature up to 95°C
- » Retains shape for ease of installation
- » Maintenance free.
- » Meets EN ISO 15875-1:2004  
EN 1264-: 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 slimline series of thermostats offer an extensive range of control options, to include touch-screen, wireless, 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.





Base UFH Ltd | 39-41 Brunel Road, Bedford, Beds, MK41 9TJ | [info@baseufh.co.uk](mailto:info@baseufh.co.uk) | [www.baseufh.co.uk](http://www.baseufh.co.uk) | 01234 358168