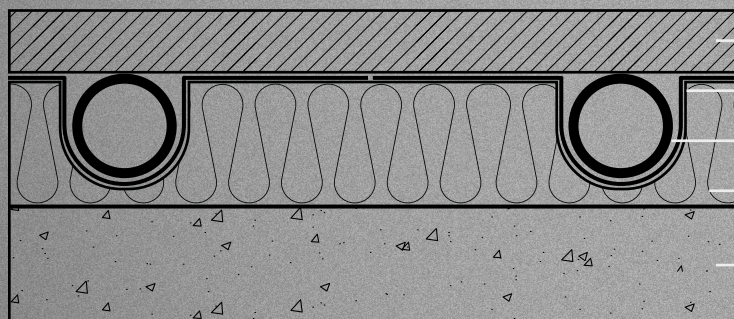




# UNDERFLOOR HEATING SYSTEMS SPECIFICATIONS



- Engineered timber board
- Aluminium diffusion plate
- Oxygen barrier pipe
- Grooved EPS insulation
- Sub floor

## SPECIFICATION

Base™ FLOATING PLATED EPS SYSTEM to incorporate 16mm oxygen barrier pipe to be installed to pre-grooved rigid EPS insulation panel. 0.5mm aluminium heat diffusion plate to be fixed directly into pre-grooved rigid EPS insulation panel. Installation and design in accordance with pipe layout design.

# FLOATING PLATED EPS SYSTEM

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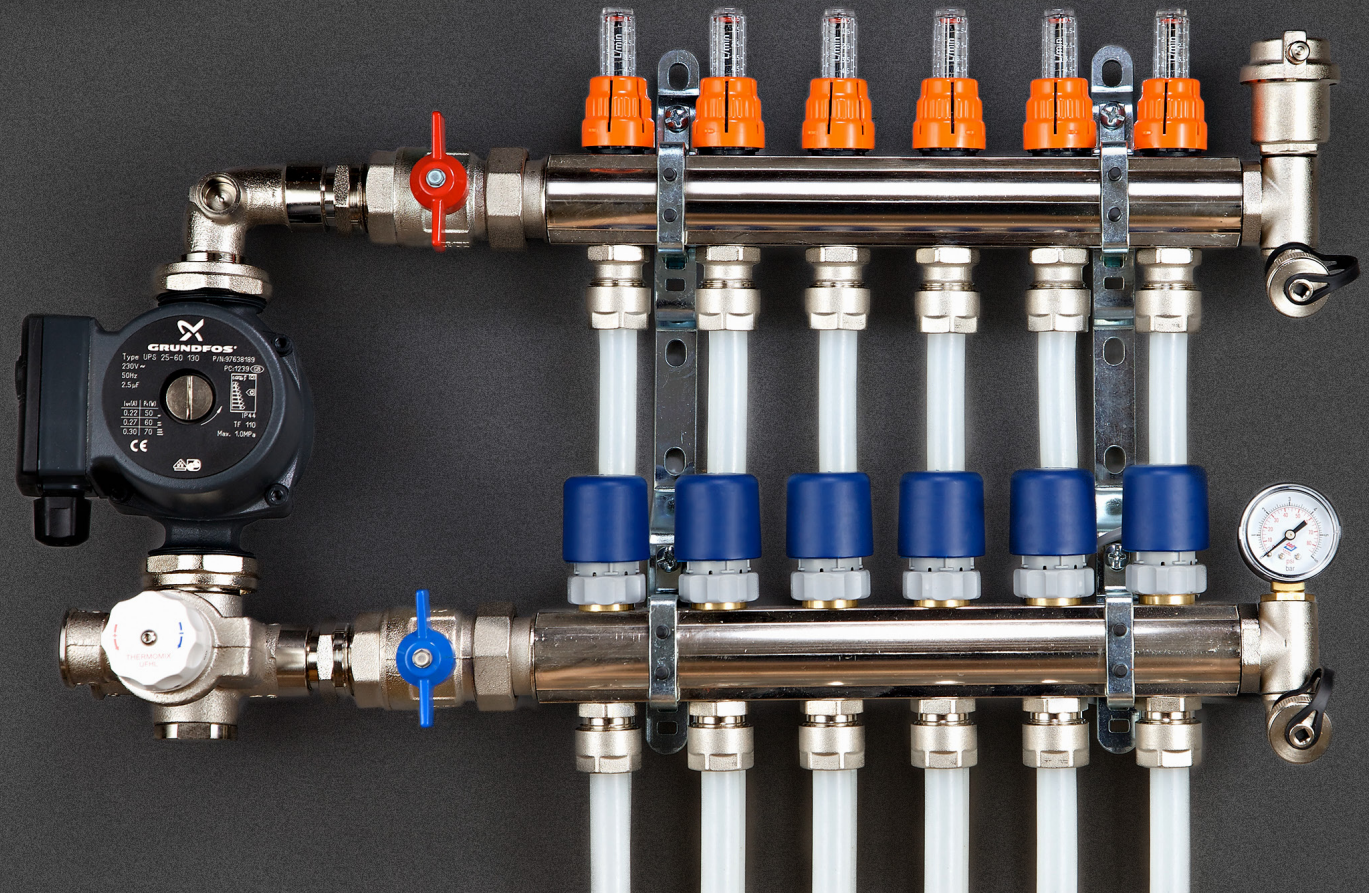
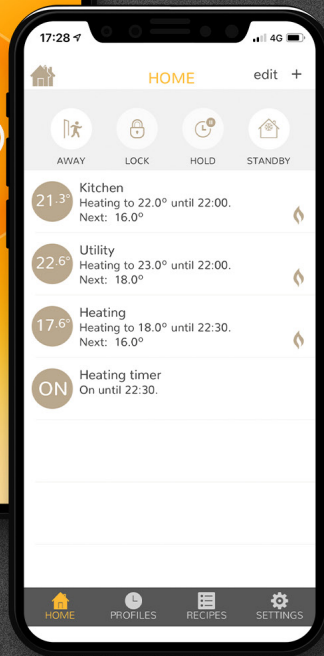
## SYSTEM

- » Base™ FLOATING EPS SYSTEM specifically designed to fit directly on to sub-floor construction
- » Pre-grooved EPS insulation panels offer quick installation with ability to be cut to exact size required in accordance with design
- » Aluminium heat diffusion plate fits directly into pre-grooved EPS panel offering a low system build up from only 25mm
- » 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 10/50 commercial grade aluminium to incorporate 16mm oxygen barrier pipe

## SYSTEM INSTALL

1. EPS insulation panel installed directly on to subfloor 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 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. 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™ 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.

