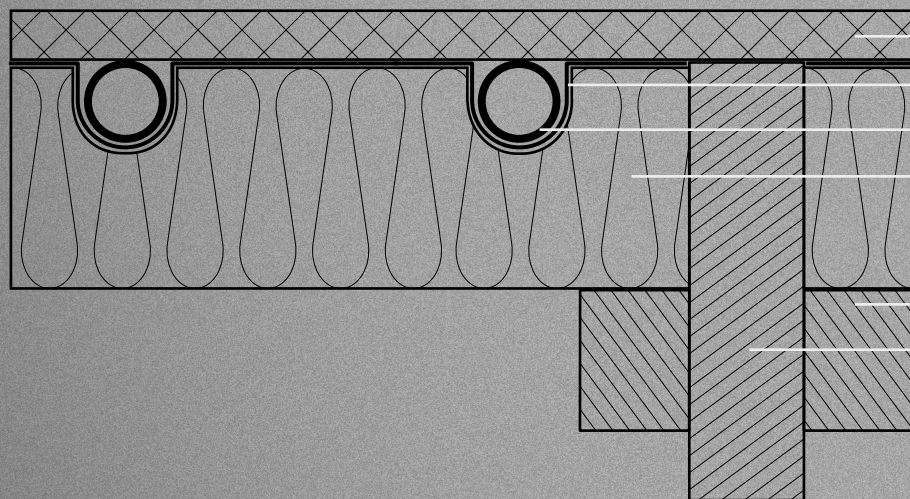




UNDERFLOOR HEATING SYSTEMS SPECIFICATIONS



- Finished floor
- Alumium diffusion plate
- Oxygen barrier pipe
- 50mm pre-grooved EPS insulation
- Support framework
- Joist

SPECIFICATION

Base™ JOISTED PLATED EPS SYSTEM 2 to incorporate 16mm oxygen barrier pipe. Pipe to be installed to aluminium plate within 50mm pre-grooved rigid EPS insulation panel. Installation between joists in accordance with pipe layout design.

JOISTED PLATED EPS SYSTEM 2

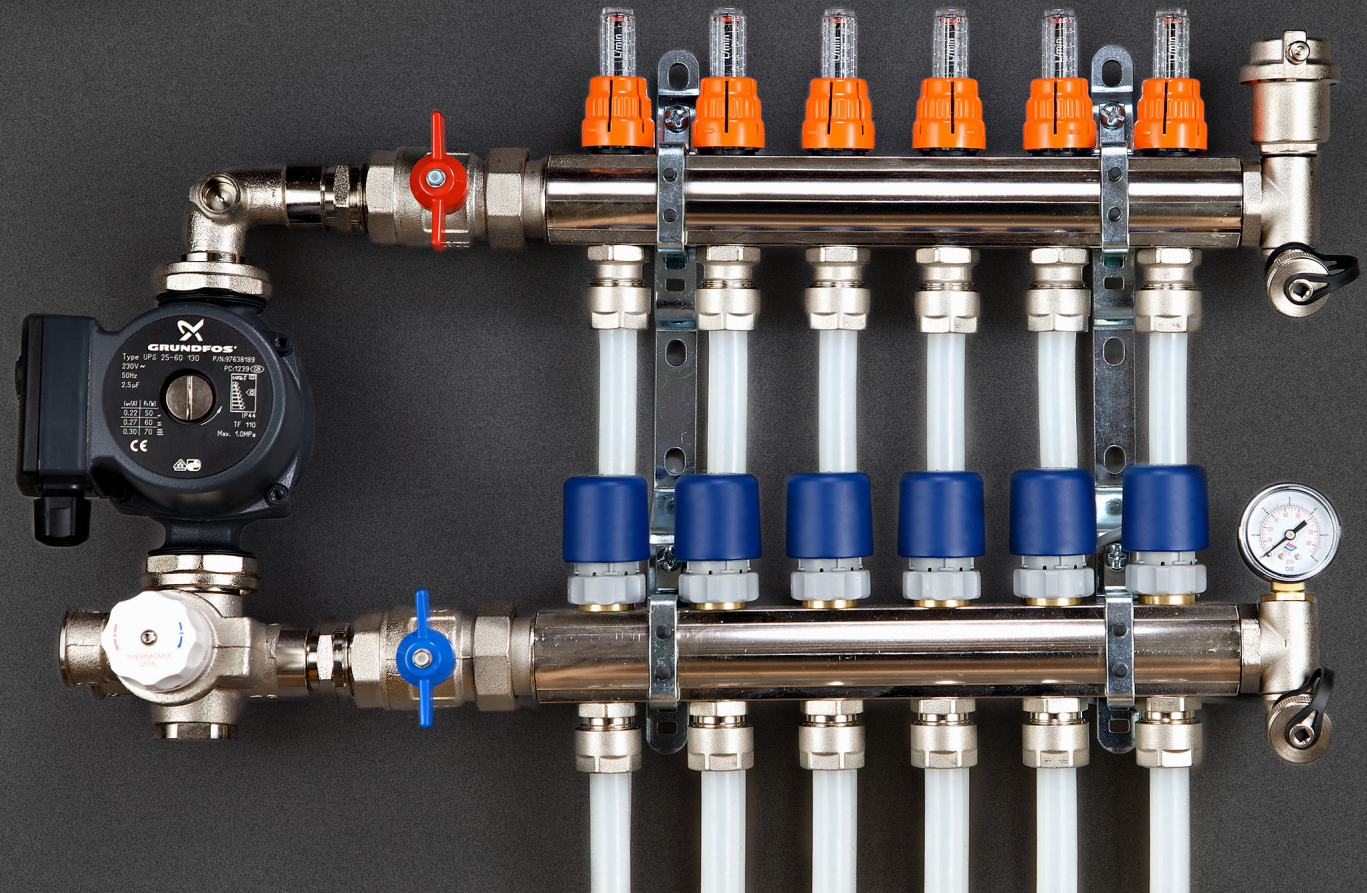
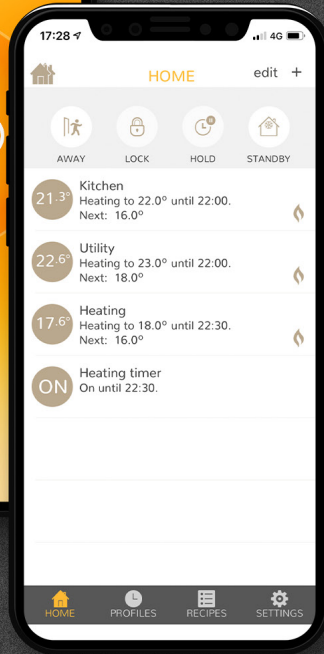
SYSTEM

- » Base™ 50mm JOISTED PLATED EPS SYSTEM 2 specifically designed for use within a joisted floor construction
- » Installs directly between joists on to supporting battens finishing flush with top of joist
- » Aluminium heat diffusion plate tightly compressed into a 50mm rigid EPS insulation panel
- » Aluminium diffusion plate only adding additional 0.5mm to overall 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 rapid system response
- » Aluminium heat diffusion plate 1000mm x 390mm x 0.5mm to incorporate 16mm x 2mm oxygen barrier pipe

SYSTEM INSTALL

1. 50mm rigid EPS insulation panel installed tightly between joists to receive aluminium heat diffusion plate. 50mm rigid EPS insulation panel to be installed to supporting battens (by others)
2. Aluminium heat diffusion plate to be inserted into 50mm pre-grooved EPS panel to finish flush with top of joist
3. 16mm oxygen barrier pipe to be installed directly in to channel of heat diffusion plate in continuous lengths from distribution manifold in accordance with underfloor heating design
4. Joists to be notched in accordance with design and building specification. Pipe to be fixed to notched joist using nail clips
5. Pipework to be pressure tested and remain under pressure





MANIFOLDS AND CONTROLS

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.

