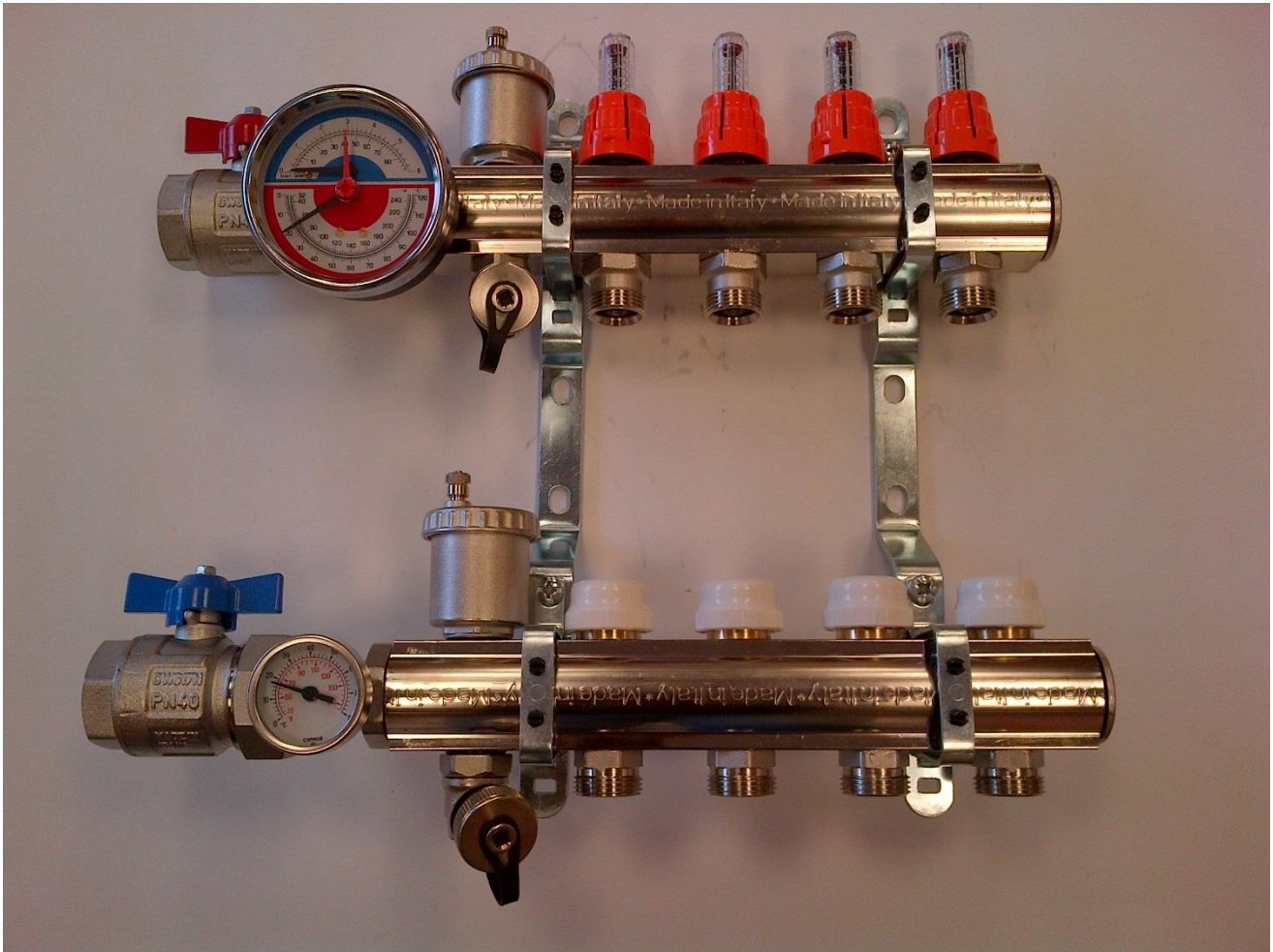


THERMAL SURFACES

Surface Heating & Cooling Specialists

DISTRIBUTION MANIFOLDS

STANDARD NON-MIXING MANIFOLD SET



The Thermal Surfaces standard non-mixing manifold set is manufactured from CW617N nickel plated brass and is very robust. The non-mixing manifold set can have a secondary by-pass incorporated to relieve circulating pressure to the pump supplying hot water to the manifold. The temperature of the water being supplied to the non-mixing manifold set can be controlled by the heating source/boiler or by having a central mixing valve. Typically the hot water being supplied to the manifold should be 35°C to 55°C. The water temperature can also be weather compensated to improve the efficiency of the system and achieve a more stabilised comfortable temperature inside the building. It is more economical to use non-mixing manifold sets for underfloor heating and cooling systems that have multiple manifolds, rather than having a mixing valve and pump on every manifold.

The non-mixing manifold incorporates manifold isolation valves, automatic air vents, pressure gauge, temperature gauges, drain/fill valves and flow indicators/balance valves for each individual circuit.

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THERMAL SURFACES NON-MIXING MANIFOLD

