



Versatemp Air-conditioning and Heat Pump Products



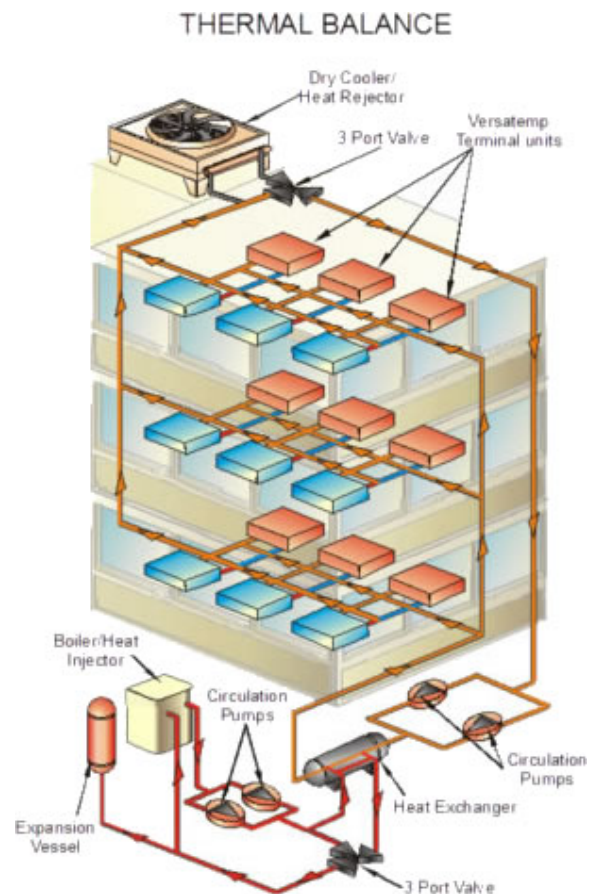
Versatemp is the well established brand name for water source heat pumps. The Versatemp system has been produced since 1964 and sold world wide, achieving many awards for design and efficiency. Our range of reverse cycle water to air heat pumps is well suited to **hotels, offices** and **retail units** alike.

The Concept of Versatemp

The **Versatemp** reverse cycle heat pump system works on a simple, reliable and proven principle. Designed for ease of installation and maintenance, a discreet, un-insulated two pipe water loop interconnects each area or room's Versatemp terminal units and the building's heat injection and rejection plant.

The water loop is kept within a generous operating temperature band (20-40 degrees centigrade) throughout the year, with the terminal units either taking heat from the water loop or rejecting heat into the water loop.

Only when the demand for energy exceeds that already in the water loop, does the heat injector or rejector operate – either to provide or dissipate the energy balance. As the heat injector and rejector never operate together they do not compete against each other, thereby conserving energy. This provides the building with **year-round, simultaneous heating and cooling**, the system achieves a thermal balance for much of its operation, thus **enabling dramatic energy savings** to be realised, particularly in mid-season. In the UK this can be typically 60% of the year.





The Application of Versatemp

Versatemp is ideal for both new and refurbishment projects where space is at a premium, and flexibility is a top priority. As building requirements change terminal units can be easily relocated or upgraded often with no down time on the remaining plant.

Refurbishment: Versatemp is often the only viable solution for refurbishment projects when dealing with the limited slab to slab heights associated with older buildings. Where the design is limited by existing structures or strict conservation restraints, the system is able to meet the demands of a modern working environment, whilst preserving the features of older buildings.

New Build: The system is the ultimate choice for many new buildings, particularly those of a speculative nature where the internal partitioning will vary according to the ultimate occupier's needs.

Hotels: A popular choice for Europe's premier hotels, the Versatemp system does not waste energy heating and cooling unoccupied hotel rooms. Extremely quiet in operation, Versatemp terminal units respond rapidly and independently to achieve the comfort level required, and allow hotel guests control of their room environment.

Business Parks and Retail Developments: The Versatemp system provides the landlord with an easy solution when apportioning heating and cooling costs in a multi-tenanted development. The system allows the tenant to pay direct for his energy costs in proportion to his usage and load. Forward provisioning in the sizing of pipe work enables the future prospective tenant's the ability to add terminal units as required eliminating the need for unsightly split condensing units around the site perimeter.

The Terminal Units

The comprehensive **Versatemp** terminal unit range comprises units for floor, wall, under-floor and ceiling void. Extra quiet wall mounted units are available from 1.5kW up to 4.0kW. All units contain rotary or scroll compressors for high energy efficiency ratios and quiet operation.

Wall or floor units can be supplied complete with a stylish one-piece casing, or uncased for an architectural enclosure.

For floor mounting a floor plinth can be supplied, with or without return air grille, and for low window sills a front entry return air option is available.

Ceiling void units are available from 1.5 – 10kW as standard with larger capacity units available for special applications.

All units within the range are compatible with each other, and can be combined for total flexibility within a building.

Wall and Floor mounted units:

VV 1.5 – 4.0kW Standard range
EQV 1.5 – 4.0kW Extra quiet range
VM 1.5 – 2.5kW Refurbishment units

Ceiling Void/Under floor Units:

EVH 1.5 – 10kW Suitable for offices and hotels
Slim EVH 2.0kW Suitable for shallow void spaces
Short EVH 2.5 – 3.5kW Suitable for replacement of obsolete Singer units

New Products:

EVV 1.0 – 4.5kW Available as wall, floor and void mounted units with BMS compatible controls and high efficiency design.



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