

## CPS

The innovative solution for water systems with various temperature levels



The construction sector is moving towards buildings at almost zero energy levels, with increasingly strict regulations in terms of reduced consumption and the use of renewable energy sources. In the domestic sector, many buildings require the simultaneous availability of both heating and cooling in many rooms for a significant part of the year.

Aermec presents the CPS - the new solution that revolutionizes heating/cooling units and responds to the latest market demands.

### Compact and Efficient Solution

CPS combines the efficiency of the multi-purpose air-water 4-pipe version with the performance of extra high temperature WWB heat pumps, all in one machine. The result of this combination is the compact new multi-purpose unit that guarantees cooling, heating at various temperature levels, and domestic hot water for residential and industrial applications. CPS produces water up to 163°F, using mainly free heating to meet cooling requests.



### High-Performance Combination

The efficiency of the NRP air to water multi-purpose unit takes advantage of free-heating for the simultaneous production of hot and cold air. With partial usage of the heat recovered by the multipurpose unit, the WWB heat pump can increase the temperature for DHW production, using thermal loads simultaneously especially during summer months.

### Respect for the Environment

Like all Aermec solutions, the priority of CPS is to be environmentally friendly. To meet the design needs of the system in fact, CPS uses renewable energy sources for both air conditioning and the production of domestic hot water.



## Why choose CPS



### THE IDEAL SOLUTION

Available in 3 sizes. The CPS guarantees high energy efficiency even with partial loads. It is particularly suitable for applications that call for simultaneous cooling and heating, especially when several temperature levels are required including: hotels, shopping centres, multi-purpose buildings and, in certain cases, industrial and process applications (ex. the food sector).



### A REVOLUTION FOR THE DOMESTIC SECTOR

The single platform with two linked hydraulically and adjustment for system management, drastically reduces system design and installation times and the overall space required.



### SAVINGS

The free heating of the multi-purpose unit, and the high efficiency of the machines used, makes this the ideal solution in terms of energy consumption and cost effectiveness, both for new systems and the requalification of existing ones.