

Aermec Offers a More Sustainable Option with the NXP Unit

Application

Aermec's NXP unit is a multipurpose water cooled unit used in two and four pipe systems that is designed to produce hot and chilled water while offering heat recovery and simultaneous heating and cooling.

Innovation, Value and Market Impact

The NXP allows simultaneous and independent production of hot and chilled water in an efficient way, without requiring refrigerant piping through the building, as we use water instead. This allows the unit to be considered eco-friendly. There is heating and cooling at the same time with automatic heat recovery whenever possible.

The NXP is suitable for two or four pipe systems, which covers most project needs.

Aermec's NXP is a suitable option as it is considered a green unit due to the geothermal applications. It has simplified installation which includes an all-in-one concept and an option of a build-in Hydronic kit and may be used with boiler/tower or dry cooler.

The multipurpose heat pump units use the most efficient technology which allows maximum heat recovery. As a result, the heat can be used in other parts of the building rather than being rejected and wasted (ex. geothermal or third party equipment). The unit has very low noise unit which is a great addition considering the unit is constructed for indoor installation.

In year 2020 in Europe (all equipment) and in year 2025 in North America, R401A will be discontinued for use in chillers. When an NXP is installed all that needs to be replaced is the outdoor unit if there is a catastrophic failure. The pipes do not need to be replaced as the indoor fan coils and piping can be used for another 25 or 30 years. Other systems on the market (VRF) are not as efficient as when R401A is discontinued. When this happens, the outdoor unit, all of the pipes throughout the building, as well as the indoor heads will need to be replaced. The NXP provides a more efficient and cost effective solution compared to alternatives on the market.

The NXP is the next generation of cooling and heating technology for the projects that are looking to be more sustainable and energy efficient. With its Total Efficiency Ratio (TER) of 7.73 in standard conditions, the NXP is becoming a strong contender within the marketplace.

Learn more about the NXP unit at www.aermec.us

