

DID YOU KNOW?

HEATING AND COOLING USING FAN COILS VS. FORCED AIR

Fan coils are simple and reliable heating and cooling distribution devices connected to a hot and a cold water source via your heating and cooling equipment. They come in a wide variety of shapes and sizes to match the heating and cooling requirements of any interior space. They are also available in a wide range of interior finishes and looks to work well with any interior décor as they can be adapted to any space requirements or architectural design. They require minimal duct work and are very quiet and relatively dust and mold free as they do not re-circulate indoor pollutants. Using water to heat and cool spaces is 40% more efficient than using forced air. The savings alone is worth it!

You have experienced heating and cooling via fan coils while staying in luxury hotels or fine restaurants. A typical hotel design is seen on the right. Upon entering the room the ceiling may be lower than the rest of the room. Behind the grate or slotting is a fan coil unit that is connected to hot and cold supply pipes running through the ceiling of the hotel corridor.

The thermostat in the room works with the fan coil unit when a guest sets a temperature, the fan coil quietly diffuses either warm or cool air.

This is true for every room in the hotel assuring highly comfortable indoor climates tailored to each guest.



Homes with many rooms can utilize the same approach using a thermostat and an individual fan coil for each space creating as many zones as desired without the need for several air conditioning units. In this way, each room can be set for individual comfort. For example: a little cooler in the kitchen and a little warmer in the nursery. Unused rooms in the home need not be heated or cooled saving even more on energy costs.

Heating and Cooling with fluids is clean, saves energy, improves indoor air quality and health and reduces a homes' carbon footprint.