

How Does TES Work?

It Heats the Water - not the Air!



TES Unit

The Thermal Energy System (TES) power plant generates a high temperature in a unique heat exchange fluid. The fluid is then transferred with a high volume pump through specially-designed insulated hoses to the Thermal EXchanger (TEX) box.



Hardwoods/Substrates

Whether you are drying hardwood or substrates, the TEX box can be placed under a plastic-sheet-tented area. It is the direct contact of the energized heat that accelerates drying and minimizes heat loss. The plastic sheeting should be vented around the edges to exhaust the hot air against the wall, assisting in their drying as well.



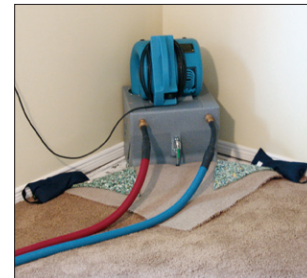
Insulated Wall Cavities

Forcing the energized heat into the wall cavity accelerates evaporation and drying within the wall.



TEX Boxes

The TEX Thermal EXchanger receives the heated fluid and directs its energy (by airmover) to the wet areas, resulting in rapid evaporation.



Carpet/Cushion

The Thermal EXchanger (TEX) should be placed between the carpet and cushion to float the carpet. This transfers the heat directly to the water in both carpet and cushion.



Evacuation

Thermostatically controlled evacuation is a significant element of rapid drying. As temperature and humidity build in the damaged area, the fan is regulated to evacuate saturated air to the outside. This process can be complimented with dehumidifiers and evaporative air-handling systems.