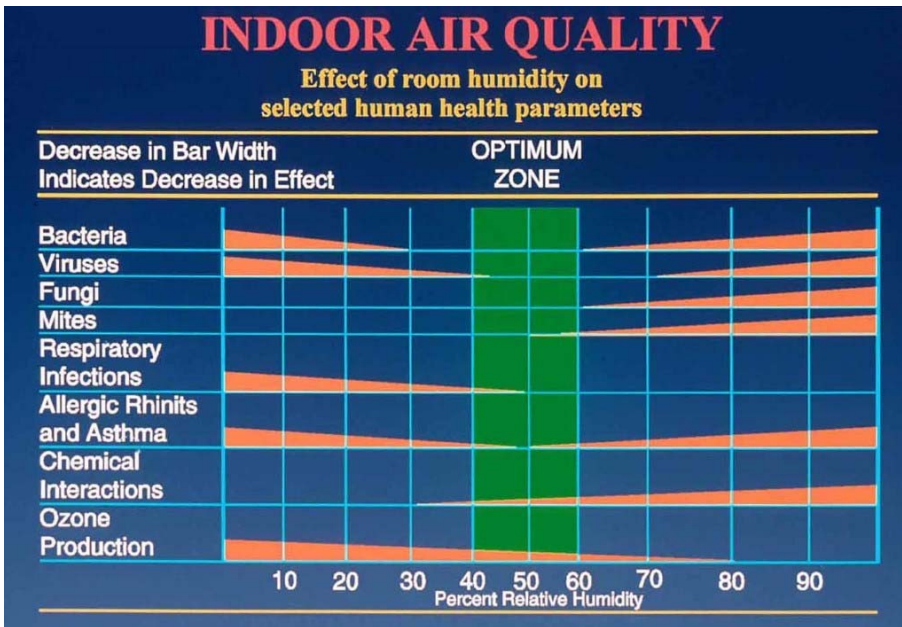




Humidity Control & Indoor Air Quality

Science of Heat Pipe Technology | Solutions in Action

Solutions for Energy Recovery & Dehumidification



Controlling humidity is a major health concern. Studies have shown that while there are many factors that can cause a sick or unhealthy building, when relative humidity in the air is maintained in the range of 30-60%, health related problems are minimized.

Building owners/operators and design engineers are constantly being challenged to control humidity without adding external energy. One such technique is the application of heat pipe science.

The Carolina Heat Pipe Thermosyphon Run Around Heat Pipe System (TRAHP™) can be customized to fit within air handlers to provide energy efficient precooling of the entering air and using that energy to provide free controllable reheat to maintain the desired room RH. The TRAHP™ system requires little maintenance, it has no moving parts other than the control valve. Carolina Heat Pipe's thermosyphons are precisely charged and sealed. CHP TRAHP™ systems typically provide a 2 to 3-year payback, especially in warm, humid southern climates.

Commercial • Educational • Governmental • Industrial • Medical

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