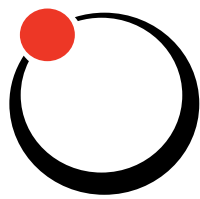




Data Center Airflow Management



HotSpotr™

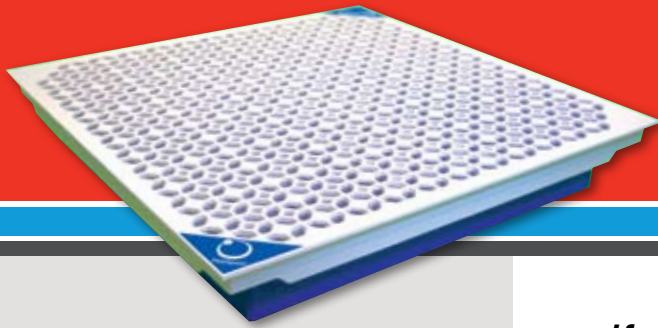
Eliminate Data Center Hot Spots

Fast, Reliably, Effectively, and Invisibly



Why and When Do I Need HotSpotr?

- To Eliminate Hot Spots in the Data Center
- When adding High Density Racks
- When Planning a Data Center Layout Change



Safely and Effectively Cools More KW per Rack



HotSpotr lets you do more with less. It cools extreme density racks, allowing data centers to increase their server density and capacity in the same amount of space. You can add high density blade servers without the usual thermal concerns. HotSpotr is equipped to handle the load.

HotSpotr is cost effective at eliminating hot spots that cause the entire data center to be overcooled. It prevents wasteful overcooling and allows a safe increase in CRAC set points.

And best of all HotSpotr is sustainable. By following the Green Grid efficiency recommendations, it meets EPA recommendations for airflow management and low power consumption. HotSpotr uses only a tiny fraction of the power being consumed by the server rack it is cooling. Now that is sustainable energy efficiency!

If you run a Data Center, you'll most likely experience at least one of these issues. If you do, you'll find HotSpotr to be the right tool for the job.

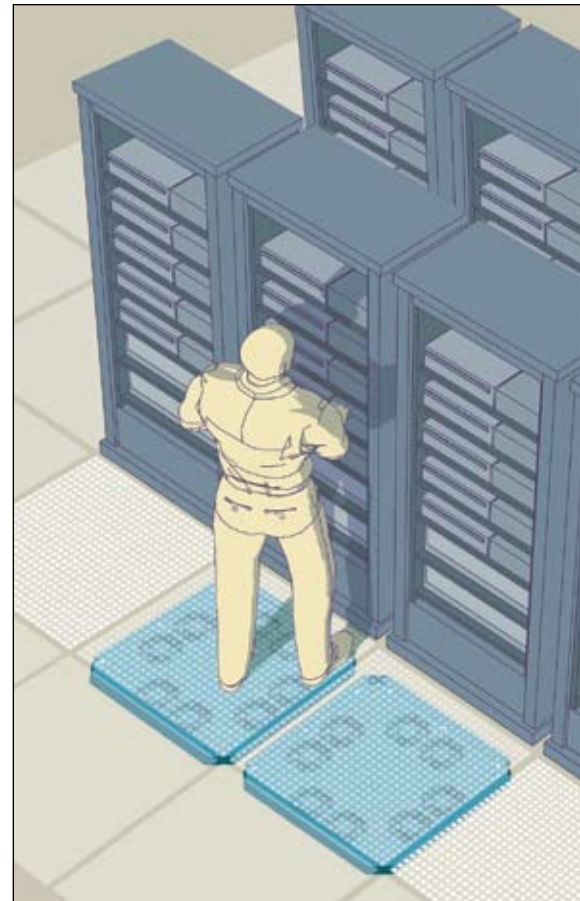
Immediately Eliminates Data Center Hot Spots

HotSpotr delivers cooling directly at the rack level, with quick installation and immediate results.

HotSpotr resolves hot spot problems. It instantly reduces server intake temperatures and improves cooling in 1 to 3 traditional or blade server racks with no negative impact on adjacent racks.

Results are immediate. When powered on, HotSpotr will sense and deliver enough cool air to bring rack and server temperatures under control in just 3 minutes.

Use HotSpotr in front of racks, at the top of racks, at the end of rows, against a wall or in room corners away from CRAC units. Use individual floor units for pinpoint accuracy or



HotSpotr Underfloor Airmover unit

combine with overhead units, ducting and sensors for a more systematic approach to localized heat concerns.

HotSpotr is guaranteed to reduce delivery temperature of the server supply air.



Improves Server Uptime and CRAC Efficiency

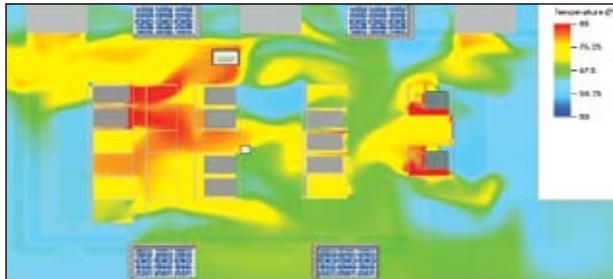
HotSpotr is reliable, self contained and scalable. Maintenance free HotSpotr units are designed for trouble free use and ease of installation. HotSpotr solves localized cooling and airflow problems at racks and cooling units.

HotSpotr units can be added as needed throughout the data center. They can be installed and operated independently or can be networked together to cool

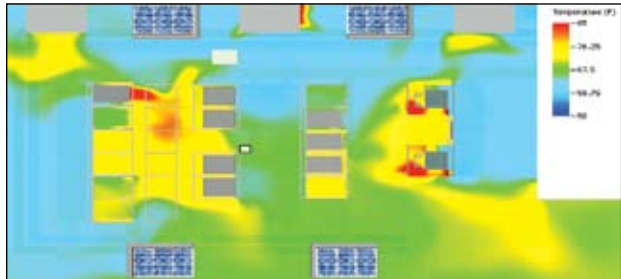
larger areas as part of AdpativCool's Demand Based Cooling systems.

Multiple product configurations offer the right level of airflow management. Most HotSpotr units are compatible with most building management systems (BMS) so the operating status and emergency power off (EPO) functions can be easily interfaced to the BMS for remote monitoring and control.

Data Center Temperature Profile



Data Center Before HotSpotr



Data Center After HotSpotr

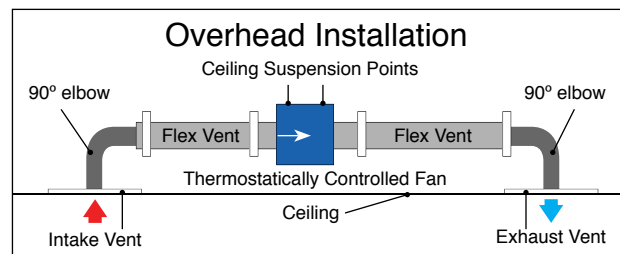
Non-Disruptive Installation, Zero Foot Print

When installed, HotSpotr is seamless and practically invisible. There is no server downtime required for installation. Floor units become part of the floor and overhead units are hidden above the drop ceiling space.

Installation is quick and easy and requires no movement of existing racks. In fact HotSpotr underfloor units require no special tools. Simply plug in and power on.

Underfloor units are designed to replace a standard size floor tile in raised floor data centers (with a little as 6" depth) so there is no clutter of portable fans or spot coolers.

Overhead units fit into the space above the drop ceiling, effectively disappearing with only the diffuser visible. The overhead return drives hot server air back to the computer room air conditioner's (CRAC's), removing heat and improving CRAC performance.



HotSpotr Airmovers

Underfloor Airmover

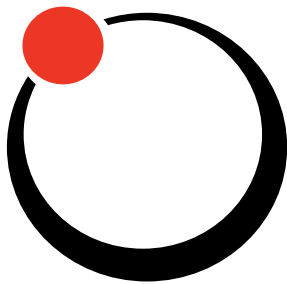


Safely cool extreme density racks anywhere in your data center, with quick installation and immediate results. The worlds fastest and most reliable server hotspot elimination tool is designed to solve YOUR data center cooling and airflow problems. Compatible with all raised flooring systems, worldwide. Thermostatic control delivers precision cooling from raised floor depths as shallow as 6 inches, without waste. Convenient interfaces for building management and fire safety systems. Compatible with AdaptivCool's Demand Based Cooling solution.

Overhead Airmover



Simultaneously reduce server temperatures and increase CRAC efficiency. Quickly and invisibly solves heat buildup problems caused by poor hot air return paths. Intelligent thermostatic control allows set it and forget it operation with variable airflow depending on conditions. Convenient interfaces for building management and fire safety systems. Compatible with AdaptivCool's Demand Based Cooling solution.



HotSpotr™

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