

Qualifying Questions

Containment Cooling®

Maximize efficiency and IT flexibility while providing a perfectly controlled IT environment

Understanding the customer environment and how Opengate can help

Do you have plans for new build or expanding within existing data centers?

If expanding a site; are you currently power limited or cooling limited?

Do you have cooling issues in this Data Center? What are they?

Do you know how much you are oversupplying your cooling?

Did you know Opengate systems allow you to partially deploy to reclaim wasted cooling?

Did you know that for new build or full deployment in exiting sites, we can cool with absolutely no waste?

What is your average rack load? What is the kW of the Highest density racks?

What percentage is at this highest density? Percentage over 5 kW per rack?

Do you use a ceiling plenum for hot air return? If no, is one available?

Do you have a high ceiling allowing us to move the heat up and keep it there?

Are you interested in containment strategies?

Are you interested in elevated supply air temperatures to maximize efficiency?

Are you interested in using efficient servers going forward?

With elevated supply air and high-exhaust temp Energy Star servers, server exhaust heat will be over 100 Deg F. Are you aware of this?

Aisle containment let's the heat out of the rack - would you be interested to keep this heat from getting out of the rack or the rows of racks – keeping the people space and IT space normalized?

WHY Choose Opengate?

Stabilize your IT intake air temperature to within a few degrees of the supply air temperature at all points in your data center.

Reduce total data center fan power consumption.

Eliminate pressure on server fans for improved server efficiency.

Adjust cool air delivery to IT demand as airflow demand dynamically changes.

Industry Leaders

Oracle, U.S. Army Corp of Engineers, and General Dynamics are just a few who selected Opengate to simplify data center cooling and maximize energy efficiency.

Opengate systems allow rapid return on investment—typically less than 3 months.

Owners and operators are keeping costs low while delivering an effective and efficient facility.

Opengate systems improve cash flow for IT operations by providing quick deployment, cooling circuit automation, and the greatest efficiency.

COOLING COMPARISON
EC7005B | AUGUST 2010



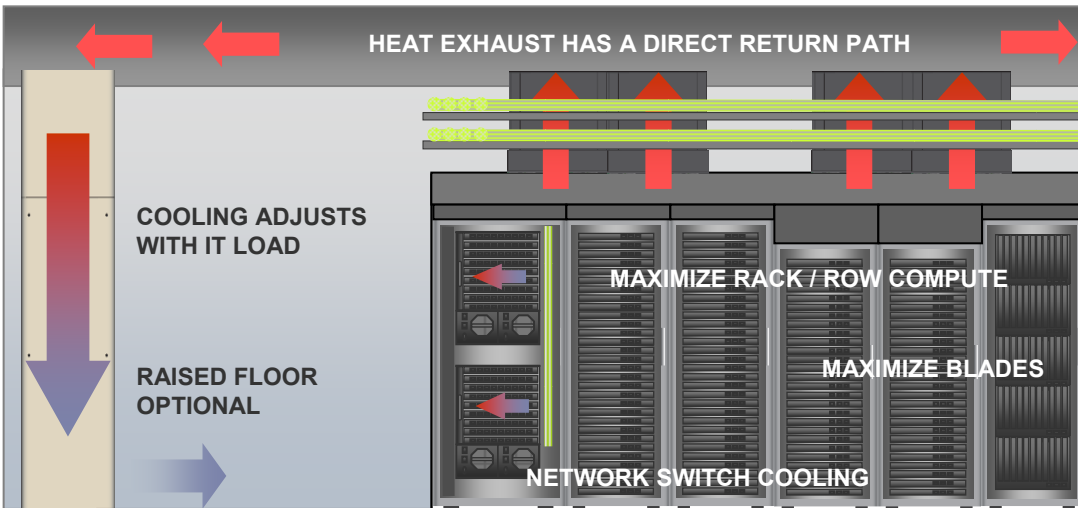
Qualifying Questions

Containment Cooling® Versus Other Solutions

Maximize efficiency and IT flexibility while providing a perfectly controlled IT environment

What does an Opengate Containment Cooled data center look like?

Opengate cooling systems contain 100% of the heat and are compatible with all IT equipment types. Place high-density racks anywhere while maintaining IT intake air temperature to within a few degrees of the supply air temperature at all points in your data center.



Containment Cooling® Main Benefits

<i>Data Center Cooling Main Benefits</i>	<i>Opengate</i>
#1 – Control the thermal environment for all IT equipment types with one cooling system.	✓
#2 – Stabilize IT intake air temperature to within a few degrees of the supply air temperature at all points in your data center.	✓
#3 – Reduce total data center fan power consumption and eliminate pressure on server fans for improved server efficiency.	✓
#4 – Adjust cooling supply to IT demand as data center airflow demand dynamically changes due to varying server flow rates.	✓
#5 – Avoid any obstacle in the retrofit or expansion of an existing facility, deploying during data center operation.	✓

What other data center cooling solution is capable of this?

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