FLEXENTIAL®



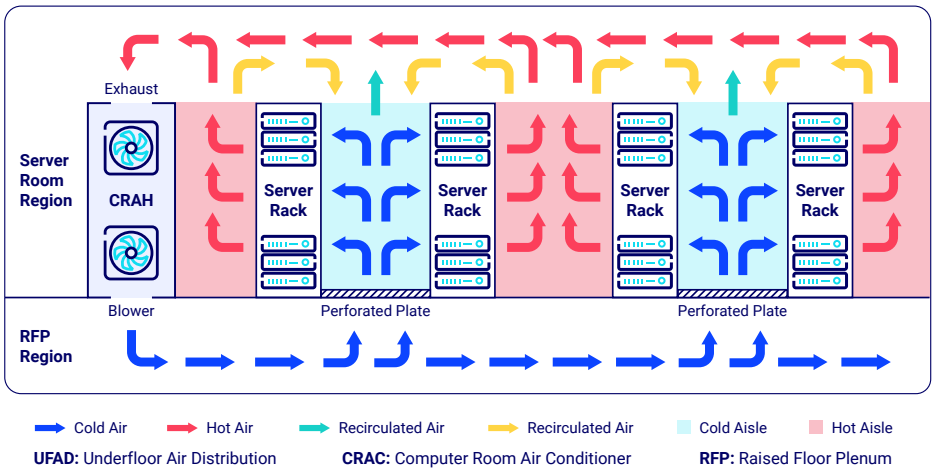
Cold Aisle Containment

Flexential Cold Aisle Containment colocation solution is strategically designed for Flexential Colocation customers. Based on industry benchmarks, this solution delivers measurable benefits, including 15-30% cooling energy savings and PUE reductions of 0.1-0.3.

It utilizes a “bathtub” style containment with end-of-row magnetic slide doors to isolate cold intake air from hot exhaust, reducing energy consumption, improving airflow management, and enabling higher cabinet densities.

The Cold Aisle Containment service addresses your business’s increasing need for efficient, scalable cooling solutions to achieve energy savings and higher densities without major infrastructure overhauls. By standardizing a phased approach, it simplifies deployment, allowing you to start with a quick door containment and upgrade to full enclosure roofs, aligning with your timelines and budgets. This service is a cost-effective advantage in the colocation market, providing a non-disruptive installation, measurable PUE improvements, and seamless integration to reduce operational costs and enhance performance.

Leverage this innovative solution to quickly apply a non-disruptive deployment with no operational downtime and seamless integration into new and existing colocation environments.



Key Benefits

- Aisle containment strategy reduces bypass and recirculation of the edge data center
- Cold aisle containment alone credibly improved cooling of edge data center by 5.0 °C
- Hot aisle containment alone improved cooling by only 0.5 °C due to layout constraints
- Combined aisle containment provided slight benefits over cold aisle strategy alone