

LC

+ LOCALIZED CONTAINMENT

Data center containment strategies are typically implemented around a pod of enclosures where conditioned air or exhaust from all enclosures is collectively contained; air recirculation is eliminated and efficient airflow exists throughout the data center. A more focused approach brings this same methodology to individual enclosures.

A Localized Containment solution is created when the air manager and exhaust chimney from GLCC® are installed in an ES enclosure that is configured with a front mesh door and rear solid door. When used in conjunction with enclosure best practices, Localized Containment works to send conditioned air to equipment inlets and removes exhaust while virtually eliminating bypass airflow and hot air recirculation. The solution eliminates the traditional hot aisle and reduces the need for perforated tiles in the cold aisle.

AIR MANAGER

- The air manager mounts in the bottom RMU of the enclosure and directs under floor conditioned air to equipment inlets
- Air from the cold aisle and newly focused air from beneath the enclosure allow an optimal amount of airflow to reach equipment
- Create a passive or active solution with the use of a fan tray

EXHAUST CHIMNEY

- The exhaust chimney serves as a duct from the enclosure to the ceiling plenum
- A solid rear door allows exhaust to naturally rise to the chimney so that it can be returned to the CRAC unit
- Create a passive or active solution with the use of a fan tray

