AisleLok® Modular Containment and Airflow Fire Safety

The fire code approval of any data center containment solution is subject to the interpretation of the local Authority Having Jurisdiction (AHJ). We recommend involving your AHJ early in your consideration process to ensure compliance with your local and regional codes.

Gas Suppression Systems

AisleLok® Modular Containment, with its 'open-sealing' architecture, will allow proper dispersion of the fire suppressant agent in most data centers gaseous fire suppression systems. However, as with any containment solution, final approval of AisleLok's compliance with gaseous systems will be with the local Authority Having Jurisdiction (AHJ).

Wet and Dry Pipe Suppression Systems

Wet and dry pipe data center fire-suppression systems differ greatly from site-to-site. AisleLok® Modular Containment's open-sealed rack-top baffles allow the water sprinkler systems to perform with minimal impact on spray patterns or overall effectiveness. The effect on spray patterns will vary with the type of baffle used (vertical or angled) and the geometry of the room (ceiling height, cabinet orientation, etc.). As with any containment solution, however, final approval of AisleLok's compliance with wet and dry pipe suppression systems will be with the AHJ.

NFPA 75

NFPA 75 provides guidance on the minimum requirements to protect the data center equipment and area against fire, smoke, heat, water and other associated effects. Certification of compliance to these guidelines is done by independent test labs, typically Factory Mutual (FM) and Underwriters Laboratory (UL). Upsite has not yet conducted these tests for the AisleLok® Modular Containment products, but plans to do so in the future.

Flammability Rating

AisleLok® Modular Containment products are currently constructed of UL94 flame rated materials.

For Sales and Installation, contact:

◈ Data Clean®

(800) 328-2256 • www.dataclean.com