



Product: [AEHC Accessories](#)

Heat Containment System Accessories

Accessories

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Product Description

Adaptive Cabinet Heat Containment System Accessories

Technical Specifications

Application

Product Overview:	Belden's active Adaptive Enclosure Heat Containment (AEHC) System is a highly efficient and cost-effective method for cooling cabinets while preventing the mixing of hot and cold air in the data center. When networked, AEHC chimneys allow aggregation of exhaust air volume of entire cabinet pods, enabling real-time control of CRAC units and creating a logical link between the cooling plant and the computing load. this unique attribute allows reduction of cooling-operating costs, particularly in virtualized, clustered computing environments characterized by highly dynamic computing loads. AEHC uses high-capacity fans controlled by a pressure sensor to ensure dynamic balancing of intake and exhaust air volumes Maintains neutral pressure in the cabinet plenum for highly efficient server fan operation Can be networked in a pod/row for redundancy in virtualized, clustered computing environments Multiple cabinets can share AEHC chimneys based on hosted computing density (three cabinets per chimney is typical) AEHC is highly scalable with chimneys added as needed with increased computing loads A pair of hot swappable brushless fans with a combined capacity of 10 kW or 30 kW connect to the AEHC controller, enabling quick and easy capacity upgrades (different capacity fans cannot be used in the same cabinet) Fan motors are engineered to ensure longevity, high air displacement and low power consumption for mission-critical facilities Ideal for existing data centers, and non-Belden cabinets can be retrofitted with chimney by using a customized adapter plate The AEHC system is powered (autosensing 120V or 208V) via the cabinet PDUs and accepts two distinct power feeds for redundancy A combination of temperature-humidity sensors with AEHC controller can collect and store environmental data. When networked, real-time data can be accessed via the intuitive user interface or Belden Corman-CS Infrastructure Management Software using SNMP (MIB File) Environmental, mechanical and electrical thresholds and alarms are easy to configure and can be sent directly to e-mail addresses (through an escalation process)
Environmental Space:	Indoor

Related Part Numbers

Variants

Part #	Description	Color
HCH001	AEHC Controller (1) with Power Cords	Black
HCP001	AEHC Pressure Sensor (1)	No Color
HCP002	AEHC Dual Function Temperature/Humidity Sensor (1)	No Color
HCC001-B	AEHC Chassis	Black
HCC001-W	AEHC Chassis	White
HCCBP-B	AEHC Chassis Blanking Panel	Black
HCCBP-W	AEHC Chassis Blanking Panel	White
HCDBP-B	Chimney Blank Panel for Active or Passive Containment	Black
HCDBP-W	Chimney Blank Panel for Active or Passive Containment	White

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