

RE: Common Venting of Gas Fired Appliances in a Fire-rated Shaft

To whom it may concern,

The ENERVEX Powerstack and Chimney Automation System (CASV) addresses all the codes and concerns of the Senior Code Consultant.

Firstly, the ENERVEX Powerstack (EPS) is listed to UL103 for Building Heating Appliance Chimney, ULC S636 for Type BH Gas Vent, UL2561 for 1400°F Chimney, UL1738 for Special Gas Vent. The product is constructed of stainless steel and is a non-combustible chimney system. The product is perfectly suitable for multistory exhausting of gas burning appliances as described in ANSI Z223.1/NFPA54 chapter 13 (sections 13.2.14 through 13.2.17) and illustrated in Figure F.1(n) in the 2018 addition. The system will also be provided with an ENERVEX factory-built Wall Firestop and Insulated Roof Thimble that carry the same UL/ULC listings as the Powerstack.

Secondly, the ENERVEX Chimney Automation System (CASV) are listed to UL378 Standard for Draft Equipment, UL 705 Standard for Power Ventilators, and CSA-CAN3-B255-M81- Mechanical Flue Gas Exhausters. The provided EBC31 controller is listed to UL378 and designed to monitor the pressure within the chimney system and will modulate the fan to maintain the heating appliances manufacturer's stated acceptable outlet pressure. In the event the system is unable to maintain the required outlet pressure, the controller will go into alarm and will shut off all the appliances served by the Chimney Automation System.

Lastly, the Chimney Automation System is qualified as an Engineered System and thus supersedes many of the codes associated with a naturally vented chimney due to the additional safeties required of mechanical venting systems.

Sincerely,

Christian Hagensen
Executive Vice President
ENERVEX, Inc.