

Z-Vent[®] Special Gas Vent

The revolutionary self-sealing Special Gas Vent System that dramatically reduces installation costs.

- Gasketed connections
- Fusion welded pipe seams
- No sealant required, no cure time, no call-backs
- Air-tight seam, smooth finish, better fit
- Metallic Special gas vent (single wall version)
- cut to length on site saves time and lowers cost
- Highest pressure rating in the industry; greater than five times the industry standard
- Single-wall and Double-wall manufactured in sizes from 3" to 24"

Double Fail Safe Connections

Z-VENT[®] Special Gas Vent components are supplied with self sealing *Double Fail Safe* gasket connections that install in half the time of field sealed systems.

The special design of the gaskets, along with precision engineered close tolerance construction components, ensure an air and water tight fit and optimum vent performance and reliability.

Highest Pressure Rating

Z-VENT[®] Special Gas Vent components are supplied with factory installed, *Double Fail Safe* gaskets UL rated to 8" W.C.

UL Tested and Listed

Z-VENT[®] Special Gas Vent Model SVE Special Gas Vent System, sizes 3" to 24", are listed by Underwriters Laboratories to UL 1738 Venting Systems for Gas-Burning Appliances, Category II, III and IV. Conforms to the Underwriters Laboratories pressure specifications with the water tight connections, ensuring reliability and optimum vent performance. Leakage tested to 2½ times the UL pressure rating of 8" W.C.



Suggested Specification:

Venting shall be **Z-VENT[®] Model SVE** as manufactured by **Z-Flex[®]**. The vent system shall consist of factory welded pipe and fittings incorporating a factory fitted sealing gasket which, when installed in accordance with the manufacturers installation instructions, will seal the pipe joints without the use of field applied sealant. The vent system shall be leakage tested to 8" W.C. positive pressure. The vent system is listed by Underwriters Laboratories to UL1738/ULC S636 with a maximum allowable continuous flue gas temperature of 550°F

Technical Data Sheet

APPLICATION

Z-VENT[®] is a factory built, engineered AL29-4C^{®*} special gas venting system suitable for venting positive or negative pressure residential and commercial gas fired heating equipment. The maximum allowable continuous flue gas temperature for Model SVE is 550°F (288°C).

Model SVE Single Wall

3in. to 24in. diameter. For use with Category II, III and IV gas-burning appliances only, where the maximum vent gas temperature at the appliance outlet does not exceed 550°F. When the vent system is installed in an unenclosed *horizontal* installation, a minimum clearance to combustible construction of 3in. must be maintained. When the vent system is installed in an unenclosed *vertical* installation, a minimum clearance to combustible construction of 3in. must be maintained. When the vent system is installed in an *enclosed vertical* installation, a minimum clearance to combustible construction of 6in. must be maintained. See manufacturer's installation instructions and appliance manufacturer's instructions for recommended clearances at other vent temperatures.

Model SVE Double Wall

3in. to 24in. diameter. For use with Category II, III and IV gas burning appliances only, where the maximum vent gas temperature at the appliance outlet does not exceed 550°F. When the vent system is installed in an unenclosed *horizontal* installation, a minimum clearance to combustible construction of 2in. must be maintained. When the vent system is installed in an unenclosed *vertical* installation, a minimum clearance to combustible construction of 2in. must be maintained. When the vent system is installed in an *enclosed vertical* installation, a minimum clearance to combustible construction of 6in. must be maintained. See manufacturer's installation instructions and appliance manufacturer's instructions for recommended clearances at other vent temperatures.

*AL29-4C is a registered trademark of Allegheny Ludlum Corp.

All products are warranted to be free from all defects in material and workmanship. It is impossible to test all products under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end users' responsibility to test all products under the conditions that duplicate the service conditions prior to installation. All improvements, all specifications are subject to change without prior notice. It is the buyer and/or end users' responsibility to review our complete **Terms and Conditions of Sale** located on our web sites at: www.novaflex.com / www.z-flex.com / www.flexmaster.com.

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CONSTRUCTION

The inner flue is manufactured from super ferritic AL29-4C^{®*} stainless steel. The AL29-4C^{®*} alloy shows excellent resistance to chloride ion pitting, crevice corrosion and stress corrosion cracking, making it the ideal choice for battling the effects of high temperature flue gases and corrosive condensate from high efficiency gas heating equipment. A unique built-in gasket system provides air and water tight connections with no sealant required. Leakage tested to 2½ times the UL listed pressure rating of 8" water column.

The double wall system has a one inch air space between the vent walls providing an insulation factor. This reduces clearance to combustibles and helps to maintain stack temperature, an important feature in the safe venting of modern high efficiency heating equipment. The outer wall is fabricated from Type 304 stainless steel. Fusion welded components provide superior fit, reduced turbulence and flow resistance. Also eliminated are crevices and other spots where condensation can collect and corrode the vent.

MATERIAL SPECIFICATION

ASTM A268, A240. ASME SA268, SA240

PATENTED SEALING SYSTEM

Z-VENT[®] components are supplied with factory installed, patented (US patent 6-523-865), self-sealing gaskets. The gaskets special design along with precision engineered close tolerance construction ensure an air and water tight fit leakage tested to 2½ times the UL pressure rating of 8" W.C.

APPROVAL

3in. to 24in. UL tested and listed to UL1738/S636 Venting Systems for Gas-Burning Appliances, Category II, III and IV. File MH 18505

Please note: Different manufacturers have different joint systems and adhesives. Do not mix pipe, fittings or joining methods from different manufacturers without an approved adapter, as doing so will void any and all warranties.