



### **Z-Vent Commercial®**

A revolutionary self sealing Special Gas Vent System that dramatically reduces the total installed vent system cost.

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

### **Double Fail Safe™ Connections**

**Z-VENT™ Commercial** components are supplied with self sealing 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. This air and water tight connection ensures optimum vent performance and reliability.

### **Suggested Specification:**

Venting shall be **Z-Vent®** model SVE IV 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

### **Highest Pressure Rating**

**Z-VENT™ Commercial** components are supplied with factory installed, patented, fail safe sealing rating of 8" W.C.

### **UL Tested and Listed**

**Z-VENT™ Commercial** Model SVE IV Special Gas Vent System, sizes 3" to 24", are listed by Underwriters Laboratories to UL1738/S636 Venting Systems for Gas-Burning Appliances, Category II,III and IV. Conforming to the Underwriters Laboratories pressure specifications with the water tight connections, ensure reliability and optimum vent performance. Leakage tested to 2½ times the UL pressure rating of 8" W.C.



## Technical Data Sheet

### APPLICATION

**Z-VENT™** is a factory built, engineered AL 29-4C 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 IV is 550° F(288°C ).

#### Model SVE IV Single Wall

3 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 3 in. must be maintained. When the vent system is installed in an unenclosed vertical installation, a minimum clearance to combustible construction of 3 in. 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 IV Double Wall

3 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 2 in. 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.

### CONSTRUCTION

The inner flue is manufactured from superferritic AL 29-4C® stainless steel. The AL 29-4C® 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.

### 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

3" to 24" 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.

rev 04.10

#### U.S.A.

20 Commerce Park North, Bedford, NH 03110-6911  
Tel: 603.669.5136 Fax: 888.889.3539 Toll Free: 800.654.5600

#### CANADA

452 Attwell Drive, Etobicoke, ON M9W 5C3  
Tel: 416.679.0045 Fax: 416.679.0051



Email: sales@z-flex.com  
Website: www.z-flex.com