Z-Vent® Gas Vent

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

- Gasketed connections
- Fusion welded pipe seams
- No sealant required, no cure time
- Air-tight seam, smooth finish, better fit
- Metallic Gas Vent
- Cut to length on site saves time and lowers cost
- Single-wall and Double-wall manufactured in diameters up to 24″

Double Fail Safe Gaskets

Z-VENT® Gas Vent components are supplied with self-sealing gasket connections that install in half the time of field sealed systems.

The Double Fail Safe gasket, along with precision engineered close tolerance construction of components, ensure an air and water tight fit with optimum vent performance and reliability.

Z-Vent® Double Wall Snap Lock Construction shown

Pressure Rating

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

UL Tested and Listed

Z-VENT® Gas Vent System is listed by Underwriters Laboratories to UL 1738 and ULC S636 in UL File MH18505 as a Venting System for Category I, II, III, and IV Gas Burning Appliances. Z-Vent® is leakage tested to 2½ times the UL pressure rating of 8″ W.C. ensuring connection reliability and performance.

Suggested Specification:

Venting shall be **Z-VENT®** as manufactured by **Z-Flex®**. (1-800-654-5600). The vent system shall consist of factory fusion welded pipe and fittings incorporating a factory fitted self-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 is rated up to 8″ W.C. of positive, neutral and negative pressure. The vent system is listed by Underwriters Laboratories to UL1738/ULC S636 with a maximum rated vent gas temperature of 550° F for up to 12" diameter and 480° F for 14" - 24" diameters.

APPLICATION

Z-Vent® is a factory built, engineered Special Gas Vent System suitable for venting positive, neutral or negative pressure residential and commercial gas fired heating equipment. The maximum rated vent gas temperature is 550° F for up to 12" diameter and 480° F 14" - 24" diameters.

Z-Vent® can be installed in practically any configuration through the use of a wide range of pipe, fittings, terminations and appliance specific adaptors.

Z-Vent® Double Wall is recommended when vent is installed in unheated space, where vent temperature/draft needs to be maintained and where greater structural durability or reduced surface temperature/clearance to combustibles is required.

See **Z-Vent®** installation instructions and appliance manufacturer's instructions for recommended clearance to combustibles.

CLEARANCE TO COMBUSTIBLES

Minimum Air Space Clearance to Combustible Materials and Building Insulation

Vent Diameter	Maximum Rated Vent Gas Temperature	Enclosed		Unenclosed	
		Horizontal	Vertical	Horizontal	Vertical
Up to 12"	550°F (288°C)	Non-Combustible Material	6" (150mm)	Single Wall: 3" (75mm)	
				Double Wall: 2" (50m)	
	480°F (249°C)	8" (200mm)	4" (100mm)	1" (25mm)	
14" to 24"	480°F (249°C)	Non-Combustible Material			3" (75mm)
	300°F (149°C)	Single Wall: Non-Combustible Material		1" (25mm)	
		Double Wall: 8" (200mm)	Double Wall: 4" (100mm)		

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CONSTRUCTION

The inner vent is manufactured from superferritic **UNS S44735** (i.e. **AL29-4C®**) stainless steel. This 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 vent gases and corrosive condensate from high efficiency gas heating equipment. A unique built-in Double Fail Safe Gasket provides air and water tight connection with no sealant required. The double wall system has a one inch air space between the vent walls providing an insulation factor. The outer wall is fabricated from Type 304 stainless steel or optional 316 on special orders where vent is installed in potentially corrosive environments.

Fusion welded components provide superior fit, reduced turbulence and flow resistance. Also eliminated are crevices and other spots where condensate 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), *Double Fail Safe* self-sealing gasket. The gasket special design along with precision engineered close tolerance construction of components ensure an air and water tight fit leakage tested to 2½ times the UL pressure rating of 8" W.C.

APPROVAL   c(UL)us

Up to 24in. UL tested and listed to UL1738/ULC S636 as a Venting System for Gas-Burning Appliances, Category I, II, III and IV in UL File MH18505.

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.*