



Special Gas Vent UL1738/ULC S636

Z-VentBLU[®] 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
- Airtight seam, smooth finish, better fit
- Metallic Gas Vent
- Cut to length on site saves time and lowers cost
- Single-wall manufactured in 2.4", 3" and 4" diameters

Double Fail Safe Gaskets

Z-VentBLU[®] 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.

Pressure Rating

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

UL Tested and Listed

Z-VentBLU[®] 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-VentBLU[®] is leakage tested to 2½ times the UL pressure rating of 8" W.C. ensuring connection reliability and performance.



Z-VentBLU[®] Single Wall Construction shown

Suggested Specification

Venting shall be **Z-VentBLU[®]** 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.



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APPLICATION

Z-VentBLU[®] 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.

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

See **Z-VentBLU**[®] 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 4"	550°F (288°C)	Non-Combustible Material	6" (150mm)	Single Wall: 3" (75mm)	
	480°F (249°C)	8" (200mm)	4" (100mm)	1" (25mm)	

CONSTRUCTION

Z-VentBLU[®]'s flue is constructed from a corrosion resistant stainless steel. This alloy shows low coefficient of expansion, excellent thermal conductivity and 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. UL1738 corrosion tested and listed. A unique built-in Double Fail Safe Gasket provides air and water tight connection with no sealant required. 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-VentBLU[®] 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 us

Up to 4in. 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.

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