



Submittal

Z-DENS

A revolutionary self sealing Type BH Venting System that dramatically reduces the cost of an installed vent system.

- Gasketed connections
- NO sealant and cure time for quick system start up
- NO toxic or explosive primers and cements
- NO chlorides to leach out
- Recyclable - environmentally friendly
- Manufactured from fire retardant polypropylene
- Field cut or adjustable length saving time and money
- Pressure rating exceeds industry standards
- Singlewall manufactured in 2" to 8" diameters
- Flexible manufactured in 2", 3" and 4" diameters
- Concentric manufactured in 2"/4", 3"/5" and 4"/6" diameters.



Z-DENS
CONCENTRIC



Z-DENS
SINGLE WALL

Double Fail Safe™ Connections

Z-DENS components are supplied with self sealing gasket connections that installs in a fraction of the time as compared to field primed/glued and sealed systems. The special design of the gaskets, along with precision engineered close tolerance construction of components, ensures a reliable seal and a tight fit.



Z-DENS FLEX

High Pressure

Z-DENS components are supplied with factory installed, fail safe seals tested to 20"W.C. which exceeds industry standards.

Intertek Tested and Listed

Z-DENS Polypropylene vent is tested and listed by Intertek to ULC-S636 Type BH Venting System to Class IIC with a maximum flue gas temperature of 230°F (110°C) and certified to zero clearance to combustible construction.

Suggested Specification

Venting shall be: **Z-DENS: as supplied by Z-FLEX U.S. Inc. (800)654-5600**. The vent system shall consist of factory pipe and fittings incorporating a factory fitted fail safe sealing gasket which, when installed in accordance with the manufacturers installation instructions, will seal joints without the use of field applied primer/glue or sealant.

The vent system shall be leakage tested to 20" W.C. positive pressure. The vent system shall be tested and listed by Intertek to ULC-S636 with a maximum allowable continuous flue gas temperature to 230°F and certified to zero clearance to combustible construction.



Technical Data Sheet

APPLICATION

Z-DENS is a ULC-S636 listed polypropylene gas venting system suitable for venting positive or negative pressure residential and commercial gas and oil fired Category II and IV condensing heating appliances with a maximum continuous flue gas temperature of 230°F (110°C).

Single Wall

Available in appliance white non UV stabilized polypropylene and black UV stabilized polypropylene in 2" and 3" diameters. Available in grey UV stabilized polypropylene in 4", 5", 6" and 8" diameters. The vent system is certified to zero clearance to combustible construction. See appliance manufacturer's instructions for recommended clearances.

Flexible

Available in 2", 3" and 4" diameters. Designed for vertical chimney or chase flue system installations but is safe to run at an angle up to 45° from vertical. The vent system is certified to zero clearance to combustible construction. See appliance manufacturer's instructions for recommended clearances.

Concentric

Available in 2"/4", 3"/5", and 4"/6" concentric diameters. The vent system is certified to zero clearance to combustible construction. See appliance manufacturer's instructions for recommended clearances.

CONSTRUCTION

The flue is manufactured from polypropylene. Polypropylene has excellent resistance to corrosive condensate from gas and oil fired condensing heating appliances, is fire retardant and is certified for a maximum flue gas temperature of 230°F (110°C). Polypropylene is resistant up to a maximum flue gas temperature of 248°F (120°C). The unique built-in gasket system provides air and water tight connections with no primers, glues or sealant and is leakage tested to 20" W.C.

MATERIAL SPECIFICATION

FIRE RETARDANT POLYPROPYLENE AND UV STABILIZED WHERE SPECIFIED.

SEALING SYSTEM

Z-DENS components are supplied with factory installed, self-sealing gaskets. The gaskets special design along with precision engineered close tolerance construction ensure a reliable air and water tight seal which is tested to 20" W.C.

APPROVAL

Z-DENS is listed by Intertek to ULC-S636 Type BH Venting System to Class IIC with a maximum flue gas temperature of 230°F (110°C) and certified to zero clearance to combustible construction. Spec ID 35440 and 35498 (Concentric).

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.

U.S.A.

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CANADA

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*Details subject to change without notice.
Dimensions are nominal.*



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