Z-Vent® Smoothcore
Stainless Steel Flexible Triple Lock® Special Gas Vent
for use with Category I, II, III, IV natural gas or propane gas fired heating appliances

Save Time & Money!

Z-Max Termination Assembly

Smoothcore Liner

Smoothcore Installs in Half the Time of Rigid Systems

Z-VENT® Smoothcore is non-combustible, environmentally safe alternative to PVC Venting Advanced, high corrosion resistant 2-ply stainless steel offers outstanding strength and resistance to environmental attack

Z-VENT® Smoothcore Features & Benefits

Smoothcore components are precision engineered utilizing close tolerance manufacturing processes, which ensure rapid assembly and airtight fit

UL 1738/ULC S636 Listed for Category I, II, III, IV appliances

Triple Lock® construction provides superior strength

Smooth inner wall allows for optimal flue gas flow by reducing turbulence

Resists corrosive attack by not impeding condensate flow

When installed in an existing masonry chimney the flexible length construction reduces installation time

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Tee with Drain

Z-Vent® Smoothcore Typical Installation

Technical Data Sheet

Application

Z-VENT® Smoothcore is an engineered, FLEXIBLE special gas vent chimney liner system suitable for use with positive, neutral and negative pressure ANSI category I, II, III, IV residential and commercial gas fired heating equipment. For use where the maximum appliance vent gas temperature does not exceed 550°F (288°C).

Z-VENT® Smoothcore System

Comprised of continuous length flexible vent section(s) and top termination assembly. At the base of the chimney, **Z-VENT®** Smoothcore is designed to adapt to typical **Z-VENT®** components such as a drain tee or elbow. Available in diameters 4", 5", 5.5", 6", 7", 8", 9", 10" and 12" and single continuous lengths up to 35 ft maximum which can be joined with a female connector to achieve longer lengths. The extremely flexible, 2 ply construction is ideal for use in both straight and offset chimneys, and can be cut to length on site. The smooth inner core resists corrosive attack by not impeding condensate flow while allowing for optimal flue gas flow by reducing turbulence. Z-Max® termination components and the flexible smoothcore liner allows for quick installation, saving time and money. Complete installation instructions available at www.z-flex.com.

Approval   c(UL)us

Z-VENT® Smoothcore is tested and listed by Underwriters Laboratories to UL1738/ULCS636.

Construction

Z-VENT® Smoothcore liner is manufactured from 2 ply's of super ferritic high corrosion resistant stainless steel. The strips are spirally wound and mechanically locked to form an air and water tight, leakproof Triple Lock® mechanical seam. The outer strip is corrugated for maximum flexibility while the inner strip is smooth formed to allow for unimpeded air and condensate flow.

Patented Sealing System

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

Suggested Specification

Chimney Liner system shall be **Z-VENT®** Smoothcore as manufactured by **Z-Flex®**. The liner shall be made from 2 ply's of stainless steel strip which are spirally wound and formed to produce an air tight Triple Lock® mechanical seam with smooth inner core. The liner system shall be UL tested and listed to UL1738/ULCS636; Venting Systems for gas burning appliances Category I, II, III and IV.

Z-Vent® Smoothcore™ Kits and Accessories

Z-Vent® Smoothcore Flex with Male Connector, on one end
Part ID: 2SVFLXCN_ _ _ _
(Note: diameter, length)

Tee
Part ID: 2SVST_ _
Tee Cap Drain
Part ID: 2SVSTCD _ _
(Note: diameter, diameter)
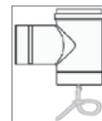
Rain Cap / Flashing Assembly
Part ID: 2SVFLXRF _ _
(Note: diameter)
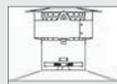
90° Elbow
Part ID: 2SVEEWCF _ _
(Note: diameter)

Female Gasket Connector
Part ID: 2SVFCON _ _
(Note: diameter)

Horizontal Drain
Part ID: 2SVEVDP _ _
(Note: diameter)

Z-Vent® Smoothcore Kit

Z-Vent® Smoothcore Flex with Male Connector on one end, Raincap & Flashing Assembly
Part ID: 2SVSCKIT_ _ _ _
(Note: diameter, length)