

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

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

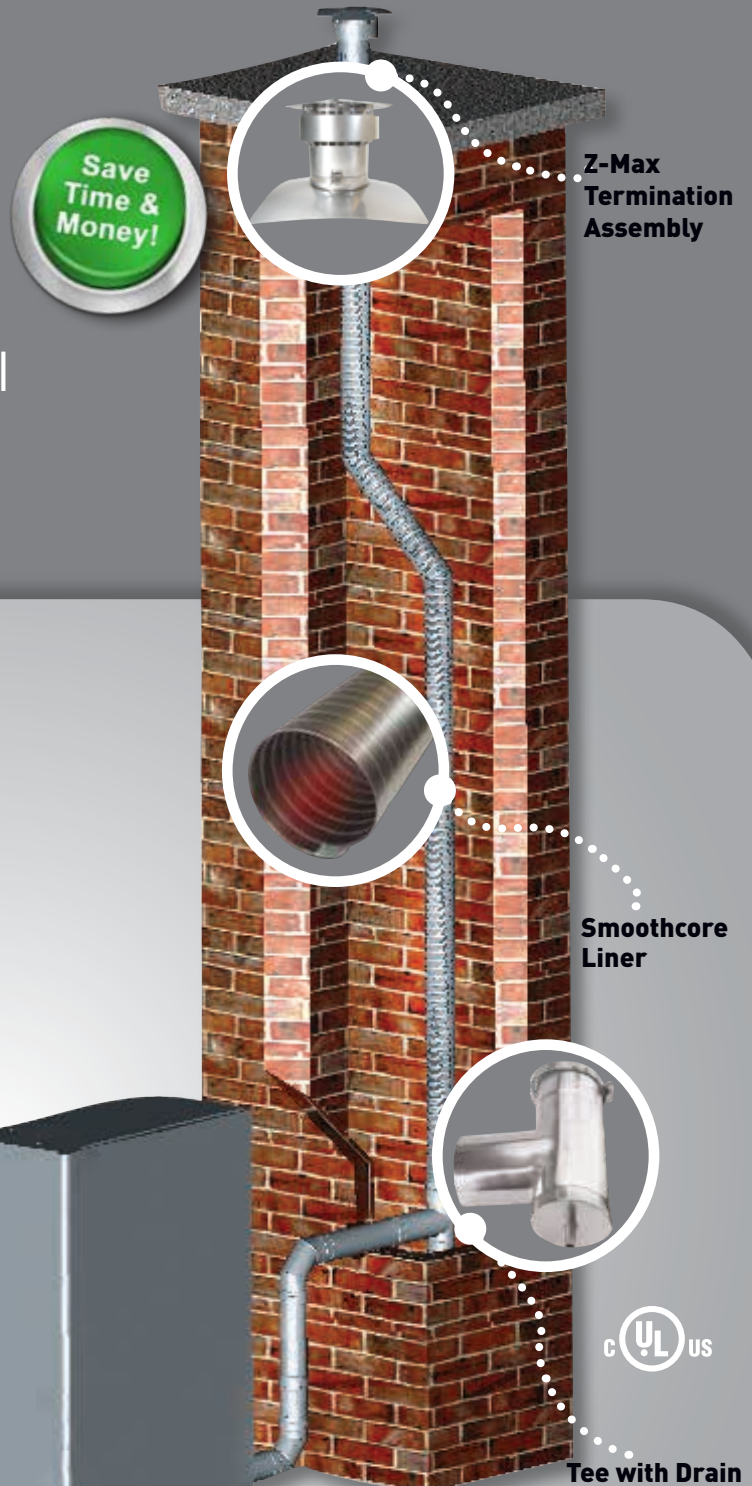
Smoothcore components are precision engineered utilizing close tolerance manufacturing processes, which ensure rapid assembly and airtight fit. UL 1738/ULC S636 Listed for Category II, III, IV appliances.

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.



**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 and negative pressure ANSI category II, III, IV residential and commercial gas fired heating equipment. The maximum allowable continuous flue gas temperature is 480° F (249° 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" and 8" and single continuous lengths up to 25 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

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

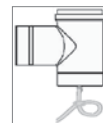
Chimney Liner system shall be **Z-VENT[®] Smoothcore** as manufactured by **Z-Flex[®]**. The liner shall be made from 2 ply's of stainless steel strip which are spirally wound and formed to produce an air tight Triple Lock[®] mechanical seam with smooth inner core. The liner system shall be UL tested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

Z-Vent[®] Smoothcore[™] Kits and Accessories

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



Tee
Part ID: 2SVST _ _
Tee Cap Drain
Part ID: 2SVSTCD _ _
(Note: diameter, diameter)



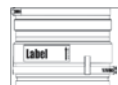
Rain Cap / Flashing Assembly
Part ID: 2SVFLXRF _ _
(Note: diameter)



90° Elbow
Part ID: 2SVEEWC _ _
(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 welded Male Connector on one end, Raincap & Flashing Assembly
Part ID: 2SVSCKIT _ _ _ _
(Note: diameter, length)