



AL29-4C® Vent System for Category I, II, III, IV Gas-Fired Appliances-



SECURITY CHIMNEYS  
INTERNATIONAL™



# Secure Seal®

Single-Wall and  
Double-Wall  
Special Gas Vent

# Secure Seal®

The Secure Seal® SS and SSD venting system offers the complete package for modern venting and reliability. Manufactured from AL29-4C® (a super-ferritic stainless steel), the single- and double-wall SS and SSD install effortlessly and answer the need for enhanced reliability and industry specifications requirements. Featuring a double wall, the SSD's outer casing is manufactured from type 441 stainless steel to provide long-lasting performance and stability when exposed to the outdoors. With self-sealing Secure Seal gaskets, the SS and SSD make installation quick and easy.

## SS/SSD



## Applications

The Secure Seal® venting system is the answer to most modern venting needs.

- Category I, II, III and IV gas-fired appliances
- Type BH gas vent systems for appliances having a maximum flue temperature of 550°F
- May also be used for high-efficiency gas boilers, furnaces, booster heaters, pool heaters, water heaters, unit heaters or tankless water heaters
- Installs quickly and easily using our Secure Lock system
- No need to apply silicone on-site at section joint; each joint seals with our Viton® O-ring system, a non-silicone construction designed to withstand the corrosive nature of the condensate

Feature	Benefit
Laser butt-welding	<ul style="list-style-type: none"><li>• Reinforces strength</li><li>• Prevents leakage</li><li>• Increases durability and reliability</li></ul>
Built-in Secure Lock system	<ul style="list-style-type: none"><li>• Provides quick and easy assembly and disassembly</li><li>• Requires less time on the job site</li></ul>
Secure Seal® sealing gaskets	<ul style="list-style-type: none"><li>• Self-sealing, so there's no need to apply sealing material when pieces are joined together</li><li>• Easier and faster installation</li></ul>
Standard adjustable vent length	<ul style="list-style-type: none"><li>• Provides vertical or horizontal adjustment for easy system pitching</li></ul>
AL29-4C® stainless steel	<ul style="list-style-type: none"><li>• Resists the extreme corrosive environments found in condensing boilers</li><li>• Assures safe and trouble-free operation</li></ul>
Proven track record	<ul style="list-style-type: none"><li>• Conformed to UL1738 and certified to ULC-S636</li><li>• 15-year warranty</li></ul>
All accessories made of stainless steel	<ul style="list-style-type: none"><li>• For durability</li></ul>

The Secure Seal double-wall system is fully interchangeable with our Secure Seal single-wall system. Both have been certified to UL1738 and ULC-S636 safety standards. When installed according to Security Chimneys™ by Lennox installation instructions, Secure Seal meets all test requirements for horizontal and vertical, interior or exterior installations.



## Typical Installation

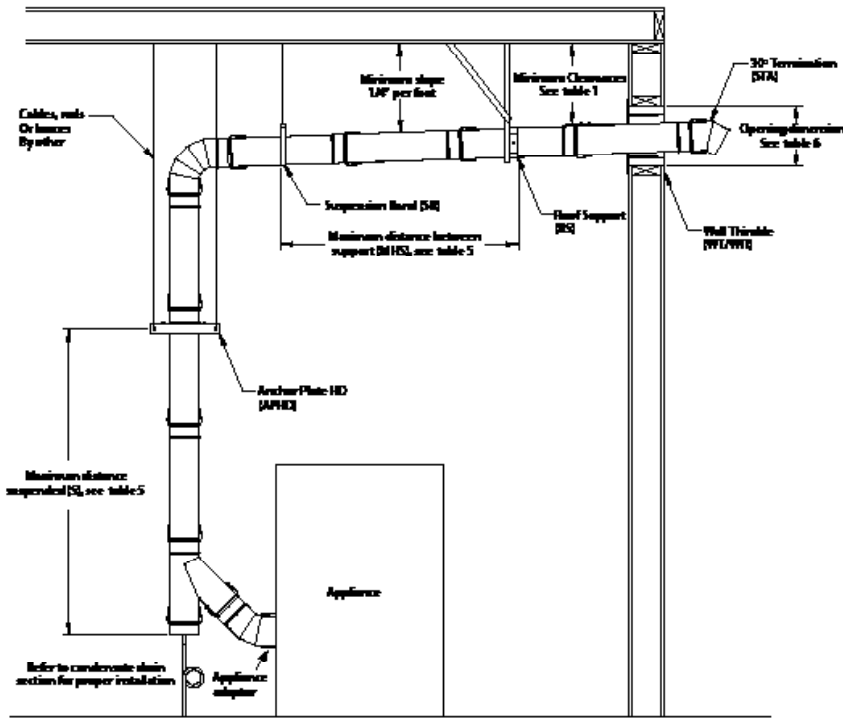


Figure 1 - Horizontal

## Secure Seal Single Wall

### Minimum Clearance to Combustibles

Diameter	Rated operating temperature	Max flue gas temperature	Enclosed		Unenclosed	
			Horizontal	Vertical	Horizontal	Vertical
4" to 12"	480° F	550° F	N/A	N/A	2"	2"
14" to 24"	480° F	550° F	N/A	N/A	4"	4"

## Secure Seal Double Wall

### Minimum Clearance to Combustibles

Diameter	Rated operating temperature	Max flue gas temperature	Enclosed		Unenclosed	
			Horizontal	Vertical	Horizontal	Vertical
4" to 12"	480° F	550° F	N/A	1"	1"	1"
14" to 24"	480° F	550° F	N/A	1"	3"	1"

### Material Thickness

#### Inner Wall Material Thickness (AL29-4C®\*)

4" - 12" (101.6mm-304.8mm)	.020" (.5mm)
14" - 24" (355.6mm-406.4mm)	.024" (.6mm)

#### Outer Wall Material Thickness (441)

4" - 12" (101.6mm-304.8mm)	.020" (.5mm)
14" - 24" (355.6mm-609.6mm)	.024" (.6mm)

\*AL29-4C® is a registered trademark of Allegheny Ludlum Corporation.

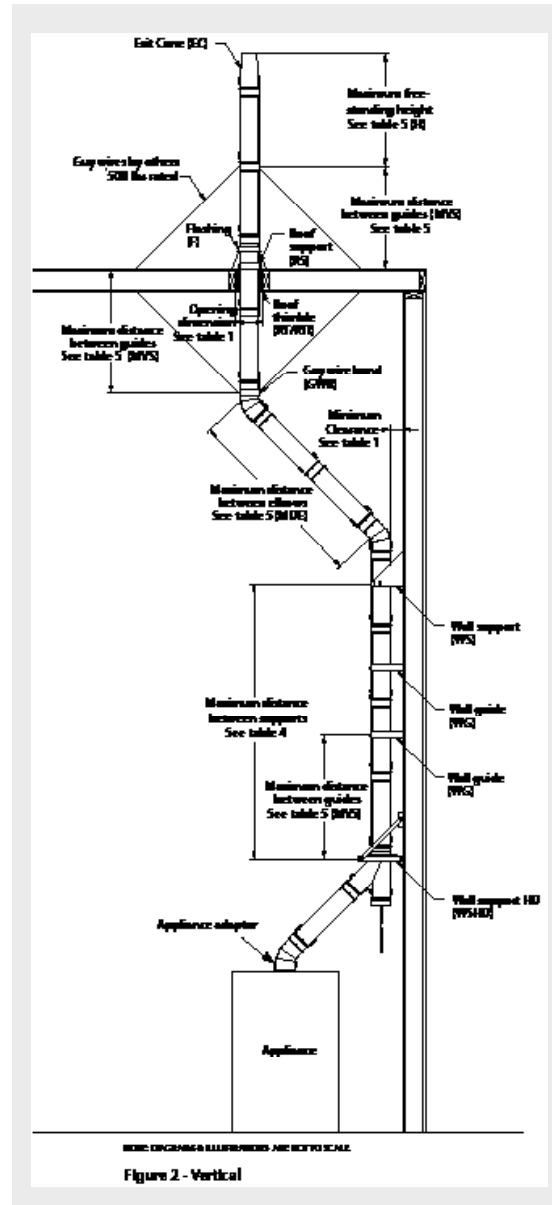


Figure 2 - Vertical

For more information about the Secure Seal® single- and double-wall pipes, please visit our website:

[www.securitychimneys.com](http://www.securitychimneys.com)

Find items such as brochures, installation instructions, specifications and more.

*NOTE: Diagrams, illustrations and photographs are not to scale – consult installation instructions. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuance without notice.*



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