



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



SECURITY CHIMNEYS
INTERNATIONAL™

Secure Seal®

Single-Wall, Double-Wall
and Insulated Double-Wall
Special Gas Vent

Secure Seal®

The Secure Seal® SS and SSD/SSID 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/SSID 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, SSD and SSID make installation quick and easy.

SS/SSD



Applications

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

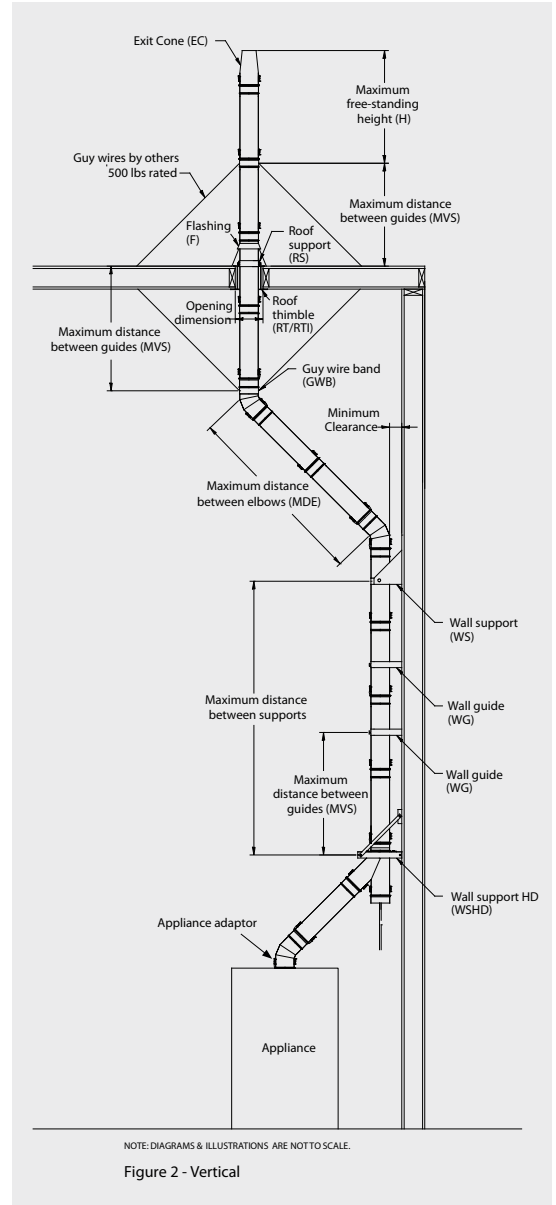
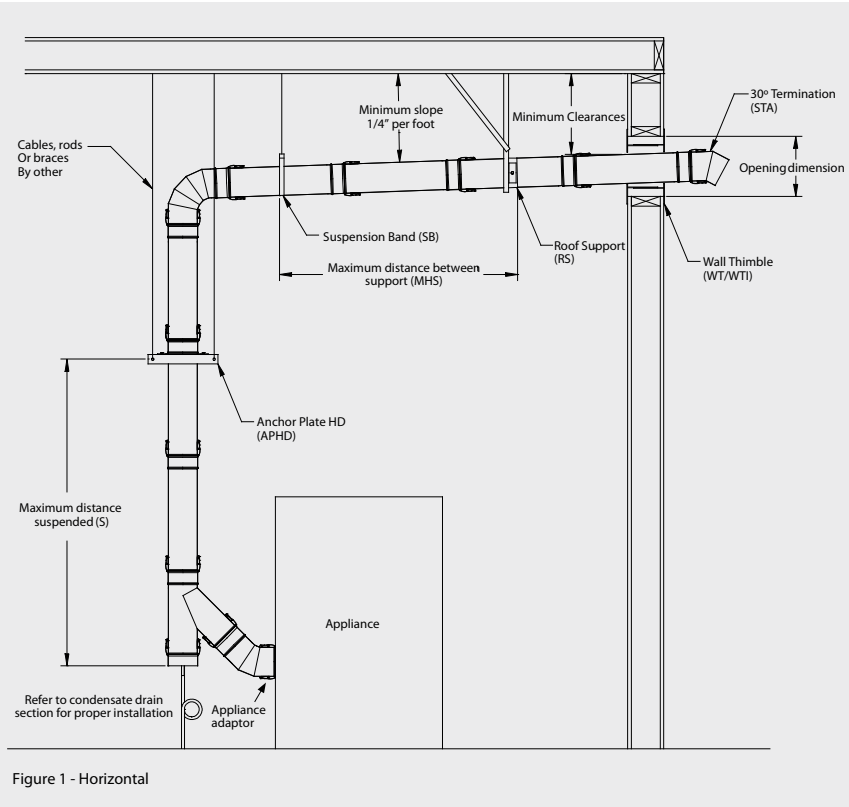
- Category I, II, III and IV gas-fired appliances
- Type BH gas vent systems for appliances having a maximum flue temperature of 550°F
- Type L-Vent (SSD/SSID only) for venting listed gas or oil fired appliances certified with type L low temperature venting system
- May also be used for high-efficiency 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
- 2" insulated (SSID) vent available for better heat retention, lower outer casing temperature and noise reduction

Feature	Benefit
Laser butt-welding	<ul style="list-style-type: none"> • Reinforces strength • Prevents leakage • Increases durability and reliability
Built-in Secure Lock system	<ul style="list-style-type: none"> • Provides quick and easy assembly and disassembly • Requires less time on the job site
Secure Seal® sealing gaskets	<ul style="list-style-type: none"> • Self-sealing, so there's no need to apply sealing material when pieces are joined together • Easier and faster installation
Standard adjustable vent length	<ul style="list-style-type: none"> • Provides vertical or horizontal adjustment for easy system pitching
AL29-4C® stainless steel	<ul style="list-style-type: none"> • Resists the extreme corrosive environments found in condensing boilers • Assures safe and trouble-free operation
Proven track record	<ul style="list-style-type: none"> • Conformed to UL1738 and certified to ULC-S636 • TypeL: listed to UL-641 and ULC-S609 (SSD/SSID) • 15-year warranty
All accessories made of stainless steel	<ul style="list-style-type: none"> • For durability

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™ installation instructions, Secure Seal meets all test requirements for horizontal and vertical, interior or exterior installations.



Typical Installation



Secure Seal Single Wall (SS)

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 (SSD/SSID)

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"
4" to 12" (L-Vent)	480° F	570° F	N/A	2"	2"	2"
14" to 24" (L-Vent)	480° F	570° F	N/A	2"	3"	2"

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.

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

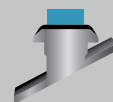
www.securitychimneys.com

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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