

Installation

How To Plan Your Chimney Installation

The following recommendations are a general guideline to assist in the layout and selection of the chimney components needed for your installation. Always follow DuraVent Installation instructions before installing your chimney system (enclosed with any support). Installation instructions can be viewed online at www.duravent.com under support > literature.

- The diameter of the chimney should match the outlet size of the appliance. An improperly sized chimney results in poor draft and excessive creosote formation.

- Measure the diameter of the appliance flue outlet. Select the chimney and either DVL or DuraBlack connector stovepipe with the same size diameter as the appliance flue outlet.

- Determine if the installation is a through-the-roof installation or a through-the-wall installation. A through-the-wall installation will require additional components (Wall Thimble, Tee/Cap, Tee Support, Wall Straps, Flue Extension, and Decor Collar).

- Install the chimney in the interior of the structure whenever possible. A cold exterior chimney will produce less draft and will generate more creosote.

- If possible avoid offsets that serve to restrict the natural draft. A straight vertical installation is more efficient and less likely to develop creosote. If an offset is required to avoid rafters or other obstructions, measure the horizontal distance required and the vertical height available. 15°, 30° and 45° elbows are available. (Note: 45° elbows are only allowed in Canada. The maximum angle allowed in the U.S. is 30°.) A maximum of two offsets (four elbows) in a single installation are permitted. At least one suitable support if required for each offset.

- Determine the minimum chimney height above the roof line. Building codes require a minimum of 3' above the roof penetration and at least 2' higher than any portion of a building within 10'. See Figure 1. The termination cap is installed above that point. If chimney is more than 5' above the roof penetration a Roof Brace is required.

- Measure the roof pitch. For example, a 6/12 pitch has a vertical rise of 6" over a horizontal distance of 12". Select the appropriate flashing.

- Determine the total length of chimney and stovepipe required for the installation. To calculate the installed length of 6"-8" DuraTech Premium chimney pipe, subtract 1" per joint. Subtract 1 1/4" per joint of DuraBlack stovepipe. Subtract 3/4" per joint of DVL stovepipe. Minimum chimney height, at sea level, of straight vertical chimney, is 10' to 15' above the appliance outlet. Higher elevations, or the use of elbows or a tee, will require approximately 30% to 60% more height to provide for an adequate draft.

- Be fire safe. Maintain at least 2" clearance to combustibles. Follow local building codes and have your chimney inspected by a certified professional.

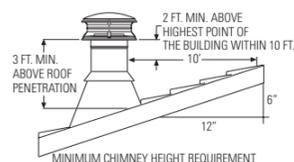
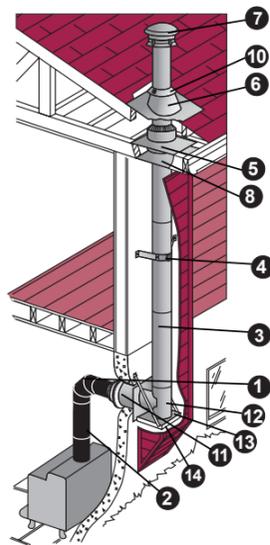
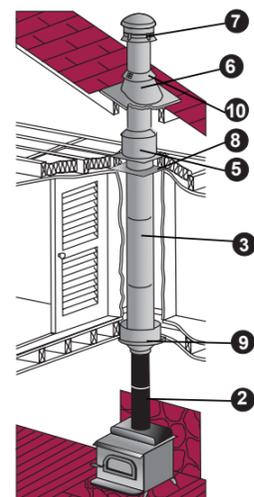


Figure 1

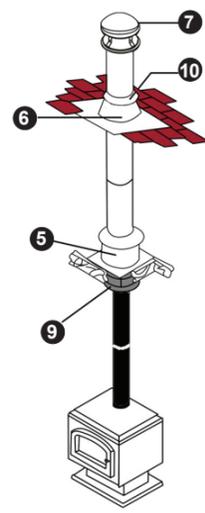
Typical Installations



Exterior installation to a wood stove

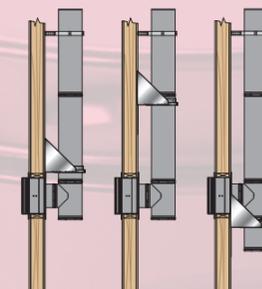


Multi-story Woodstove



2" Single-Story Woodstove

Installation Key			
1	Stove Pipe Elbow	8	Firestop
2	Black Stove Pipe	9	Finishing Support
3	Length	10	Storm Collar
4	Wall Band	11	Wall Thimble
5	Attic Radiation Shield	12	Insulated Tee
6	Adjustable Roof Flashing	13	Tee Support
7	Rain Cap	14	Clean-Out Tee Cap



Safe and Precise Installations

DuraTech Premium chimney systems can be installed efficiently and precisely. The Adjustable Tee Support can be installed in many configurations to accommodate the support of the tee and chimney in many situations. The Adjustable Tee and Wall Band can also be adjusted 2-6" from a wall. Increased flexibility with chimney pipe that comes in lengths from 8 inches to 48 inches!

Contact

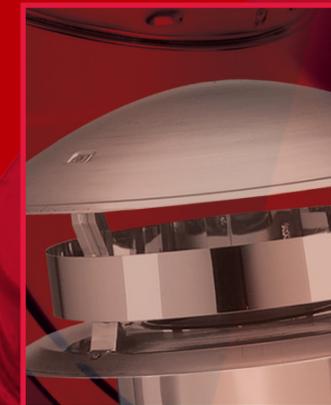
Professional Technical Help

DuraVent prides itself on providing the best customer service and technical support in the industry.

Our Customer Support Team is available to answer technical questions.

Monday – Friday
5:30am – 4pm Pacific | 8:30am – 7pm Eastern

Tel: 800-835-4429
Fax: 707-446-4740
customerservice@duravent.com
techsupport@duravent.com



High Temperature,
2" Insulated Double-Wall,
All-Fuel Chimney System.
ULC S629, UL 103HT.

DuraTech® Premium

Leaders in-Venting Innovation™

800.835.4429 | 707.446.4740 Fax | www.duravent.com
L160_810014058_Brochure_DuraTech Premium_07-19-19_V4

DuraVent®

DuraTech® Premium

Applications

DuraTech Premium is a double-wall, all fuel chimney system for use with wood stoves; fireplaces; and appliances burning wood, oil, gas, or coal.

Materials and Construction

2" of Mineral fiber insulation encased between inner and outer walls of .016" Stainless Steel.

Clearances

2" clearance to combustibles.

Diameters

6", 7", 8"

Listings

Listed to UL 103HT and ULC S629 by Intertek.

DuraTech Premium

Twist-lock feature allows you to assemble DuraTech Premium quickly and precisely without the need for locking bands.

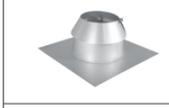
Designed for normal, continuous operation up to 1200°F (650°C) flue gas temperatures. DuraTech Premium meets the rigorous and stringent requirements of the ULC S629 standard, including one hour at 1700°F (925°C), plus three thirty minute chimney fire tests at 2100°F (1150°C).



	DTP Wall Support Kit 6" diameter. Kit includes: Insulated Tee, Twist-Lock Tee Cap, Wall Support, Insulated Wall Thimble, Flue Extension, DVL Double Wall Decorative Collar, Wall Band, and Rain Cap.
	DTP Interior Installation Kit 6" diameter. Kit includes: Finishing Support with Coupler, 2 piece Adjustable Insulated Attic Radiation Shield, and Rain Cap.
	DTP Exterior Installation Kit 6" diameter. Kit includes: Insulated Wall Thimble, Flue Extension, for use with DVL Double Wall Decorative collar or stove pipe, Decorative Collar, Tee & Tee Cap, Adjustable Tee Support, Wall Strap, and Vertical Cap with Spark Arrester.
	Chimney Length 6", 7", 8" diameters. Stainless steel inner and outer walls. Available in 8", 12", 18", 24", 36", 48" lengths.
	Adjustable Length 6", 7", 8" diameters. Stainless steel inner and outer walls.
	Insulated Tee 6", 7", 8" diameters. Located at the base of the chimney, it provides the horizontal connection to the appliance. An insulated Tee Cap (TC) is included.
	Twist-Lock Tee Cap 6", 7", 8" diameters. The twist-lock cap makes inspection access and servicing easy. Pick from Insulated or Non-Insulated version.
	15° Insulated Elbow 6", 7", 8" diameters. Designed to bypass an obstacle such as a joist.
	30° Insulated Elbow 6", 7", 8" diameters. Allows the 30° offset of a chimney. Designed to bypass an obstacle, such as a joist.
	45° Insulated Elbow 6", 7", 8" diameters. Allows the 45° offset of a chimney. Designed to bypass an obstacle, such as a joist. The chimney's angle of inclination must not deviate more than 45° from the vertical position.

	Flue Extension 6", 7", 8" diameters. Used to make the transition from insulated chimney to stovepipe in a through-the-wall installation and within certain cathedral ceiling applications.
	Insulated Reduced Clearance Square Support 6", 7", 8" diameters. Use with flat, vaulted, or cathedral ceiling. Certified to reduce clearances from 2" to just 1" for any portion of chimney shielded within the supports box.
	Reduced Clearance Square Support Extension 6", 7", 8" diameters. This part is designed to extend the height of the Insulated Reduced Clearance Support by 22".
	Round Finishing Support 6", 7", 8" diameters. Round support for use with flat ceilings. Fits within frame built in 16"-on-center joists.
	Adjustable Tee Support w/ Coupler 6", 7", 8" diameters. Use to support insulated tee on through-wall chimney installation. Access for inspection and service is incorporated from the underside of this support.
	Adjustable Tee Support with Collar 6", 7", 8" diameters. Use to support insulated tee on through-wall chimney installation. For installation versatility and convenience, tee can be placed above or below the support. Must be paired with twist-lock tee cap.
	Wall Support 6" and 7" diameters. This load-bearing Wall Support can be used instead of a Wall Band. It can also be used as a Tee Support, Offset Support, or Resupport.
	Offset Support (UNIVERSAL) 6", 7", 8" diameters. Similar to the Wall Support, but universal. Adjustable collar can be set to work with 6", 7", or 8" pipe. Factory-set to ensure minimum 2" clearances.
	Roof Support (UNIVERSAL) 6", 7", 8" diameters. The roof support is versatile. A universal collar allows it to fit 6", 7" and 8" chimney. It is typically used to support a chimney at the roof-deck. The mounting brackets easily adjust to suit any pitch.

	Anchor Plate 6", 7", 8" diameters. Attach to the top of a fireplace or other approved appliance to enable proper connection of the chimney.
	Firestop 6", 7", 8" diameters. Use as per instructions to provide protection at underside of a ceiling penetration.
	Radiation Shield 6", 7", 8" diameters. Can be used as an alternative to the standard Firestop (FS). This version includes a Radiation Shield. May be required by some appliance manufacturers.
	Two-Piece Adjustable Insulated Attic Radiation Shield 6", 7", 8" diameters. Two-piece telescoping shield adjusts from 12" up to 22" height to accommodate deeper insulation. Shield is insulated, and comes with collar shown.
	Insulated Radiation Shield 6", 7", 8" diameters. This insulated version of our firestop can be used to minimize heat-loss and cold air intrusion. Like the standard firestop, this part installs at the ceiling. An attic radiation shield is installed from above.
	Insulated Wall Thimble 6", 7", 8" diameters. Designed to protect surrounding combustible materials when a chimney passes through a wall. Thimble can be trimmed to work with wall thicknesses from 7" up to 12 1/2".
	30° Angled Firestop 6", 7", 8" diameters. This angled firestop is to be used only with a wood-burning fireplace.
	30° & 45° Insulated Wall Radiation Shield 6", 7", 8" diameters. This part is to be used only with a wood-burning fireplace that has been certified for use when the chimney passes through a wall at an angle.
	Roof Brace 6", 7", 8" diameters. Use to stabilize a chimney. Required when 5 Feet of chimney or more extends above the roof-line. The collar on this universal design can be adjusted to fit 6", 7", or 8" chimney. Leg length is also adjustable from 60" to 115".
	Wall Band (UNIVERSAL) 6", 7", 8" diameters. Designed for use on an interior or exterior wall, it serves to add lateral stability for a chimney while maintaining required clearances from the wall's surface. The use of wall bands at intervals of 8' is recommended.

	Flat Roof Flashing 6", 7", 8" diameters. Galvanized Flat Roof Flashing. Storm collar included.
	Adjustable Roof Flashing 6", 7", 8" diameters. Galvanized adjustable roof flashing. Choose from five different versions to match roof pitch. Comes with storm collar. Aluminum malleable base (Dead-Soft) flashing also offered.
	Peak Roof Flashing 6", 7", 8" diameters. Galvanized peak roof flashing. Choose from two different versions to match roof pitch. Comes with storm collar.
	Storm Collar 6", 7", 8" diameters. Collar fits over flashings to help prevent water intrusion. Generous shoulder width ensures effective protection in all climates when installed as directed. Included with all roof flashing.
	Snow Splitter Ships flat, and folds easily on the job site. Includes 8 fastening flanges (4 on each side) for mounting. Made with heavy 14 gauge galvanized steel. Fits all diameters.
	Rain Cap 6", 7", 8" diameters. Attached to the top of the chimney, it effectively prevents rain, snow and leaves from entering the opening. The universal attachment feature allows to fit any one inch or two inch wall thickness chimney.
	Universal Spark Arrester Band 6", 7", 8" diameters. This band is wrapped around the rain cap. Its purpose is to help prevent burning embers from escaping. As an added benefit, it keeps birds and other small animals from entering the chimney.
	Trim Collar 6", 7", 8" diameters. The optional decorative Trim Collar can be used to help provide a professional finish around the chimney when passing through a non-combustible wall.
	Decorative Collar Single-Wall 6", 7", 8" diameters. This component provides finish between the chimney and single-wall stove pipe connection.
	Decorative Collar DVL Connector 6", 7", 8" diameters. This component provides finish between the chimney and double-wall DVL stove pipe connection.