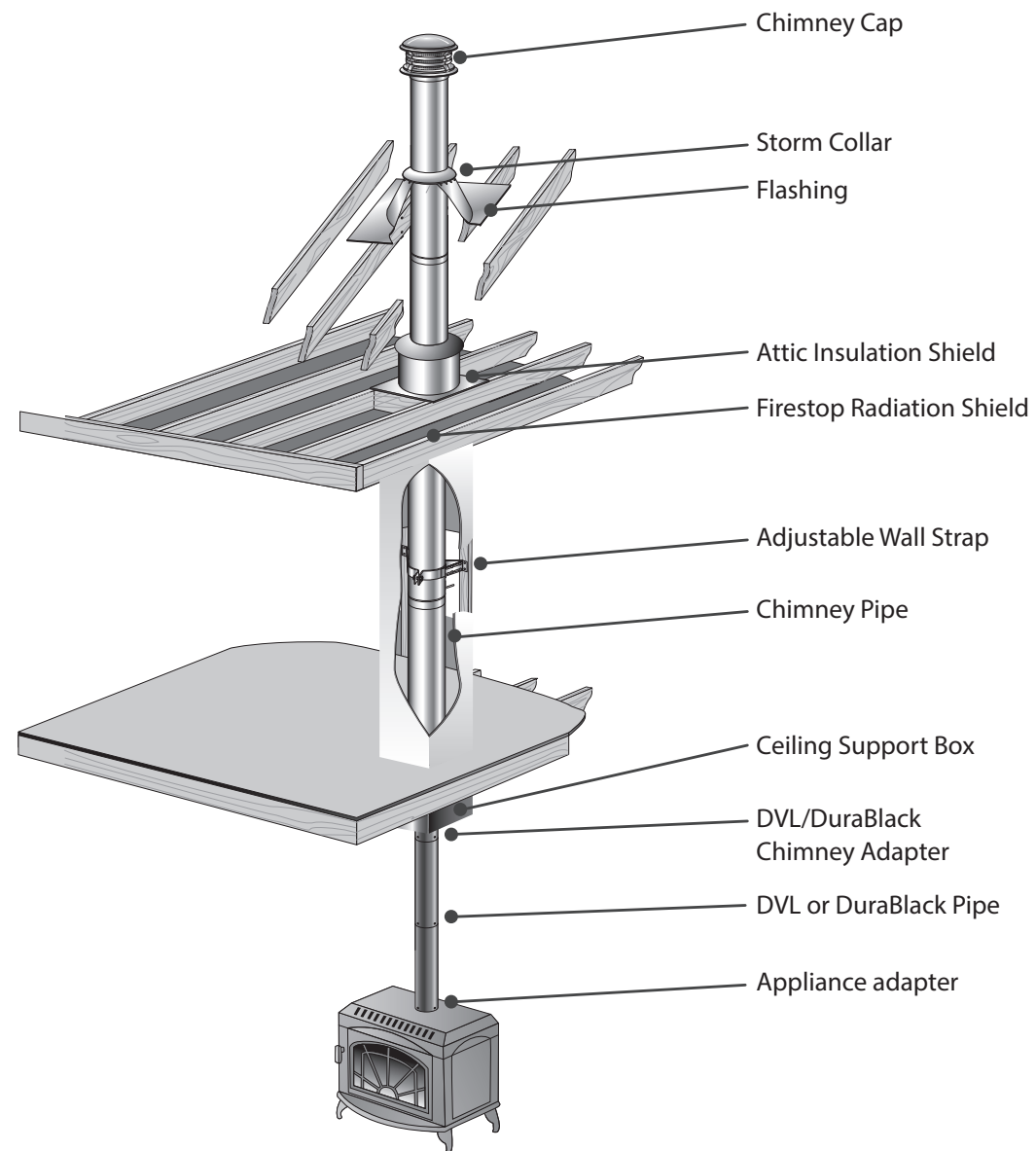


## The DuraTech All-Fuel Chimney System



**Designed for appliances that are tested and listed for use with a 2100° F HT chimney system.**

DuraTech is a double-wall, all-fuel chimney system for use with wood stoves, fireplaces, furnaces, boilers, ranges, water heaters, or other appliances fueled by wood, oil, coal, or gas, and zero-clearance fireplaces that are factory-built.

# DuraVent®

**Customer Service Support: 800-835-4429 • 707-446-4740 FAX • [www.duravent.com](http://www.duravent.com)**

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With a Thermal Tech blanket insulation encased between dual walls, DuraTech offers the optimum in safety and performance. It keeps the outer wall of the chimney cool, while ensuring high flue gas temperatures for optimum draft performance.

The inner wall is 20% thicker than competitive chimneys for an extra margin of safety. No locking bands or mechanical fasteners required.

DuraTech's sleek 1" wall design provides for easy installations through 16" on-center framing. For tight installations, a Reduced Clearance Square Ceiling Support Box is available (6" diameter DuraTech only).

Designed for normal, continuous operation at 1000° F flue gas temperatures, DuraTech is subjected to rigorous and stringent HT requirements of the UL standard, including one hour at 1400° F, plus three ten minute chimney fire tests at 2100° F.

DuraVent offers DuraTech in large diameters to vent large-scale residential fireplaces and building heating appliances.

Large diameter DuraTech chimney is tested and listed for continuous operation at 1000° F flue gas temperatures, one hour at 1400° F and ten-minutes at 1700° F, in accordance with the UL 103 test standard.



All-Fuel Chimney System  
**DuraTech®**

## FEATURES AND BENEFITS

# DuraVent®

DuraTech Feature	Benefit	Selkirk/Metalbestos UltraTemp (Platinum)	ICC/Excel	Olympia/Ventis	Metalfab	SuperPro/Amerivent Hart& Cooley
5" through 24" diameter selection	Gives the installer the largest variety of diameters to fit and size the fireplace or stove properly	5" to 24" diameters available.	Only 5" through 8" diameters are available.	5'-12"diameters available	6" to 18" diameters available.	5" through 14" diameters available.
6", 9", 12", 18", 24", 36", 48" and 60" pipe lengths. Adjustable pipe length also available for use between elbows.	Gives the installer the greatest variety of lengths to reach the desired height with ease and least amount of pipe sections.	No 60" pipe lengths available longest length is 48".	No 9", 36" or 60" pipe lengths available longest length is 48".	No 9" or 60" lengths. Fewer options and more trips up the ladder for the installer.	No 9" or 60" pipe lengths. Fewer options and more trips up the ladder for the installer.	No 9" or 60" pipe lengths available. Fewer combinations to reached desired height and more trips up the ladder.
Twist Lock End Rings	Allows the installer to safely and easily connect and disconnect chimney sections without mechanical fasteners. Encases insulation to prevent exposure to outside elements. No locking bands required.	Locking bands required. Creating additional time and complexity to the installation.	Screws needed requiring more installation time. No end ring coverage exposing insulation to outside environment. 4 spot welded connecting tabs creating weak connection between inner and outer wall.	Screws needed requiring more installation time.	Twist lock connection with exposed insulation.	Twist lock connection with required locking bands. Increases installation time.
430 Stainless Steel Inner Wall	Corrosion resistant stainless steel with the smallest amount of expansion when exposed to heat. Prevents hot spots from appearing which could cause a fire.	304 stainless steel inner. Expands almost twice as much as 430 stainless steel. Could cause hot spots and gaps in insulation.	304 stainless steel inner. Expands twice as much as 430 stainless steel. Could cause hot spots and gaps in insulation.	Use either 304 or 316 inner wall with 430 SS outer wall. 300 series SS expands twice as much as 400 with less memory causing stress on joints due to inconsistent expansion.	Uses 430 Stainless Steel	304 Stainless steel inner wall expands twice as much as 430 which could cause hot spots.
.020" thick Stainless Steel Inner Wall	Thickest inner wall construction in the industry providing the best protection from creosote fires.	.016" Inner wall thickness	.016" inner wall thickness.	.016 inner wall thickness.	.015" Inner Wall thickness	.016" Inner Wall thickness
Option for either Stainless Steel or Galvalume Outer Wall	Customer has the option to use a less expensive galvalume outer for interior chase installations to keep costs down.	Offers both Stainless Steel outer and Galvanized Steel outer. Galvanized more likely to rust than galvalume.	Stainless Steel only option for outer casing adding cost.	430 SS outer wall is the only choice.	Offers both Stainless Steel outer and Galvanized Steel outer. Galvanized more likely to rust than galvalume.	Only 304 Stainless Steel outer available. Makes inside chase installations more expensive.
Light Weight Construction	The light weight Thermo Tech insulation makes pipe sections lighter (5lbs per ft for 6" diameter) to allow the manufacture of 5' lengths. Thus allowing the installer to make fewer trips up the ladder for a quick and easy installation.	Packed chimney is a heavier product. 6lbs per foot for 6" diameter.	4.2 lbs per foot for 6" diameter.	No details supplied on insulation.	Chimney pipe is one inch wider in material making it more heavy and awkward to handle.	Packed chimney is heavier product. 6lbs per foot for 6" diameter.
1" Double Wall Insulated Pipe	Has the smallest outside diameter available to allow easy placement between studs. i.e. 8" O.D. on 6" diameter pipe. Saves from having to reframe around the chimney.	1" double wall insulated pipe construction.	1" double wall insulated pipe construction with no end caps.	1 1/4" double wall insulated pipe construction with no end caps. O.D. on 6" pipe is 8.5" tighter fit to framing.	1.5" double wall insulated pipe construction with opened end caps exposing insulation to outside environment. They taut 1.5" clearance over others 2" clearance but with the added wall thickness this chimney requires the same amount of spacing for clearances as all others.	1" Double wall insulated chimney pipe.
1" Thermal Tech Blanket Insulation	Insures complete insulation coverage between inner and outer walls, preventing any hot spots from appearing due to expansion of the metal walls during operation. Hot spots could cause a fire.	Solid pack insulation.	Thermoplus insulation blanket. Exposed at the ends of the pipe.	1 1/4" insulation blanket. Exposed at the ends of the pipe.	1.5" Ceramic insulation blanket. Exposed at the ends of the pipe.	1" Mineral Wool packed insulation.
Factory Installed Starter Section in the Support Box	Allows the installer a safe, quick and easy connection of chimney to the support box.	Starter Section not installed in support box.	Flue extension is required to prevent pipe from passing through support. Chimney is free floating in support box. A longer flue extension is required for steeper sloped ceilings.	Universal Adapter must be placed on pipe before placing into the support box. Adapter not attached to support box.	Factory installed Starter Section in support box.	No Starter Section in supports. Pipe either rests in flat supports or passes through the support box where a support clamp is required. More time to install. Pipe is not secure in support when chimney sweep is cleaning up and down with their brushes
DuraTech offers 3 support box heights. 12", 24" 36" along with flat and round supports.	Gives the installer the most options when dealing with ceiling slopes. Creating the most aesthetically pleasing installation possible.	Only offers 24" height.	Square and Round Support boxes only offered in 24" height. Square Support box not offered in 5". A separate support extension is required for additional height.	11" and 24" are only heights available.	Offers only a short flat ceiling support and a 29" pitched ceiling support box.	One support box height of 17.5" is available. Field fabrication and painting of extension necessary.
Reduced 10" wide Support Box for 6" diameter DuraTech	Allows for the smallest area of framing while still maintaining safe and approved clearances to combustibles. Could prevent having to reframe around chimney.	Only offers 14 1/4" width box.	Offers a 10" wide square support for 6" diameter pipe.	Only offers a 12"x 12" width box.	Only offers a 12.5" wide support box.	Only offers a 12" x 12" width box
Dura-Vent offers 3 easy options to attach Connector Pipe to Chimney System with the DVL/DB adapter, the DB slip connector or the snap lock adapter.	Allows the installer to connect either DVL, DuraBlack or snap lock stovepipe to the support box or finishing collar for an easy and quick installation. Adapter snaps into support box and allows for easy disconnection and switching of connector pipe without disconnecting chimney.	Supplies a finishing collar that must be screwed to chimney pipe. Very difficult to switch out connector pipe.	Snap lock or UltraBlack double wall connector are screwed on to the flue extension. The screws are covered up by the UltraBlack trim collar. Difficult to disconnect and switch out connector pipe at later date.	Offers Class A adapters that must be drilled and screwed to connect Double wall black pipe to Class A. Also offers a finishing band to cover up protruding Class A pipe at a support box or wall pass-thru.	Stovepipe adapter must connect into the female end of a pipe section. Must use painted sleeve to cover exposed Class A pipe. No slip connection is available.	Stovepipe adapter must connect into the female end of a pipe section. No slip connection is available.
15 and 30 Degree Elbows come with swivel base.	The swivel base allows the installer to line up the elbow without having to unlock and reposition the elbow, saving time and money.	15 and 30 Degree Elbows come with swivel base.	No swivel base. Requires screws to lock into place.	No swivel base. Requires screws to lock into place.	Elbows come with swivel base.	No swivel base. They have removed the locking mechanism from the end caps to allow it to spin. Has to be locked into place with locking bands. Adds time and labor.
15 and 30 Degree Elbows come in kits.	This insures that the installer gets both the offset and return elbow along with an elbow support bracket to make a properly code approved offset.	Offers elbow kits in 15°. Two 15° elbows combine to be adjustable 0-30°. Locking bands required.	No kits you must buy elbows separately along with offset support.	Offers 15 and 30 degree elbows in kits.	No kits available. Must buy elbows and elbow straps separately.	Offers 15 and 30 degree elbows in kits.
Limited Lifetime Warranty	The best Warranty in the industry 15 years 100% coverage. 50% thereafter giving the installer and home owner the greatest peace of mind in a quality installation.	Limited Lifetime Warranty with 3 stage replacement 10 years 100%; 11-15 years 75% off; 15 years and over 50% off.	Limited Lifetime Warranty. 100% for first 10 years except rain caps 50% thereafter.	Warranty card must be registered with Olympia within 60 days of installation. Separate warranty requirements for burning coal.	Limited Lifetime Warranty offered. 100% for first 10 years; 50% thereafter. Warranty is not transferrable.	For products installed after January 15, 2007, Limited Lifetime Warranty with 100% for first 10 years; 75% for 11 to 15 years; 50% beyond 15 years. Warranty is not transferrable
Adjustable Tee and Wall Support Brackets	Guarantees the proper clearance to combustibles while allowing the installer to work around changing exterior wall surfaces avoiding any field fabrication or code violation.	Adjustable Tee support is offered. Wall support is also adjustable.	Wall support provide vertical load bearing and lateral support. They are adjustable horizontally away from the wall.	Wall support provide vertical load bearing and lateral support. They are adjustable horizontally away from the wall.	Tee support is adjustable. Wall strap requires an addition wall band adjustment kit to make their wall support bracket adjustable. More SKUs to order and bring to the jobsite.	Adjustable Tee support is offered.
Shroud Specifications	Dura Tech's shroud specifications allow the installer to create a UL listed shroud to hide the termination at the top of the chase for the safest possible installation.	Shroud specifications available.	No shroud specifications available.	No shroud specifications available.	Shroud specifications are available.	No shroud specifications available.
Adjustable Height Attic Insulation Shield	Allows the installer to accommodate deep attic insulation without having to field fabricate an extension. Saves time and money.	Attic insulation shield is fixed height of 11.5". Does not adjust for deeper insulation in colder climates.	No separate attic insulation shield is offered. You use a radiation shield which is adjustable and a separate storm collar to create an attic insulation shield.	Extension piece has to be bought and stocked as a separate sku.	Attic insulation shield is at a fixed 18" height. The collar is not removable because of required screen so extending the shield by field fabricating an extension is not possible in colder areas where insulation is deeper.	Attic insulation shield fixed at 12" height. Collar is attached making it difficult to field fabricate an extension for deeper insulation in cold areas.
Removable Top Plate and Spark Arrestor on termination cap.	Allows for easy cleaning of chimney without having to disconnect and remove the cap. Saving time and money in cleaning.	Termination cap has a locking band attachment requiring removal of entire cap for cleaning.	Termination cap top plate is removable by 4 wing nuts for cleaning.	Must remove whole cap for cleaning. Spark Arrestor has to be purchased and stocked as a separate sku.	Must remove entire termination cap for cleaning.	Entire termination cap assembly must be removed to clean chimney.