



All-fuel, triple-wall chimney system. Listed to UL 103HT.



Support

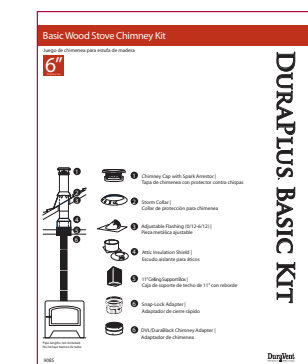
Professional Technical Help
DuraVent prides itself on providing the best customer service and technical support in the industry.

Our Customer Support Team is available to answer technical questions.

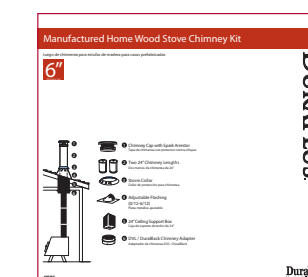
California:
Monday – Friday, 7am – 4pm PST
800-835-4429
Fax: 707-446-4740
techsupport@duravent.com

New York:
Monday – Friday, 8:30am – 5pm EST
800-835-4429
Fax: 518-463-5271
sales@duravent.com

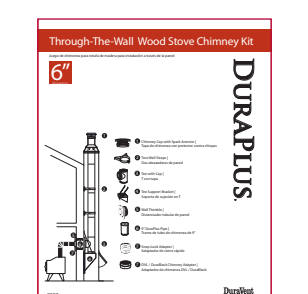
DuraPlus Kits



Basic Chimney Kit
Chimney Cap with Spark Arrestor, Storm Collar, Adjustable Flashing, Attic Insulation Shield, 11" Ceiling Support Box, Snap-Lock Adapter, DVL/DuraBlack Chimney Adapter.



Manufactured Home Chimney Kit
Chimney Cap with Spark Arrestor, Storm Collar, Adjustable Flashing, Attic Insulation Shield, 11" Ceiling Support Box, DVL/DuraBlack Chimney Adapter.



Through-The-Wall Chimney Kits
Chimney Cap with Spark Arrestor, Storm Collar, Adjustable Flashing, Attic Insulation Shield, 11" Ceiling Support Box, Snap-Lock Adapter, DVL/DuraBlack Chimney Adapter.

Chimney Safety

A triple-wall all-fuel chimney for appliances fueled by wood, oil, coal, or gas.

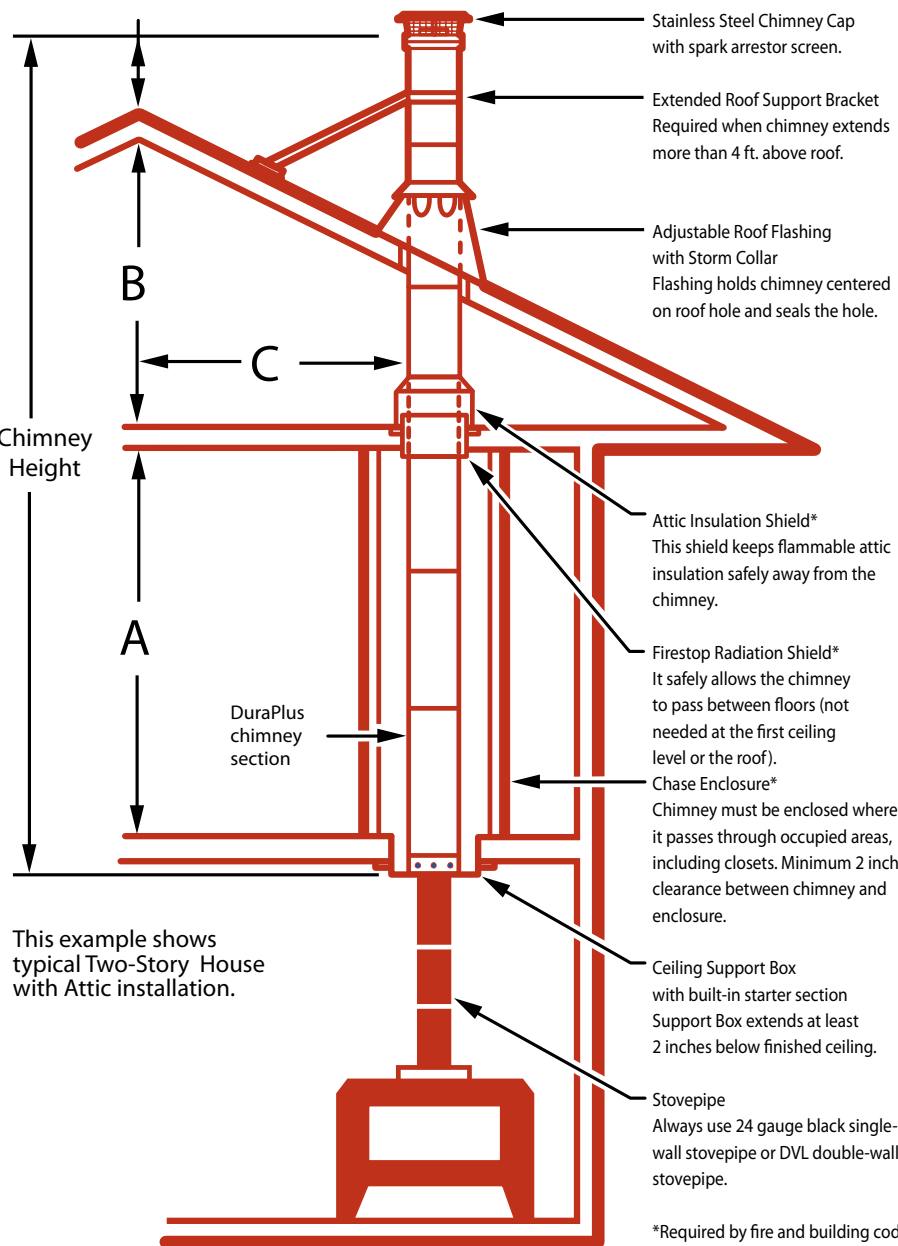
Designed to stay cool on the outside, to provide a hot draft on the inside, to boost stove efficiency, and to provide for a fire-safe design that protects both the chimney and the building. This triple-wall chimney features two insulating layers (ceramic blanket, plus air space). The ceramic blanket insulation is held securely in position, eliminating hot spots common with loose-fill blanket insulations. In the event of a creosote fire, the compressible blanket insulation permits the chimney liner to expand outwards in a radial direction.

DuraVent's DuraPlus for wood-burning stoves is built with a stainless or galvanized steel outer wall with an aluminized steel intermediate liner and stainless steel inner liner. It is also composed of a ceramic blanket plus a ventilated air space. DuraVent's unique twist-lock design requires no tools and is easy to install, providing an exceptionally firm and tight connection. All kits include most items you will need for a typical installation.



How Many Lengths Will You Need?

Penetration through the roof needs to be 3-ft minimum. In addition, pipe must also be at least 2-ft higher than any portion of the building within 10-ft of it.

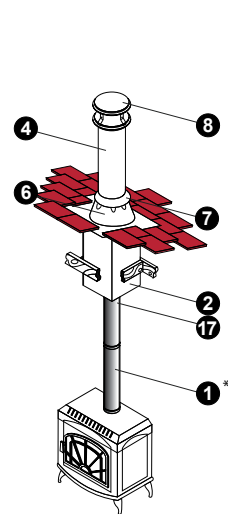


- 1 Assume A = 8 ft., B = 5 ft. and C = 4 ft. Chimney must extend above the roofline at least 3 ft. and at least 2 ft. higher than the roof peak if within 10 ft.
- 2 To get chimney height: A+B+C = 15 ft., plus 4 in. (attic floor thickness), plus 4 in. (ceiling thickness), plus 2 in. (chimney support box extends 2 in. below ceiling). Total: 16 ft.-3 in. or 195 in.
- 3 195 in. minus 3 in. = 192 in. of chimney sections needed. (3 in. is length of starter section).
- 4 Now divide 192 in. by 34.5 in. (installed length of a 36 in. chimney section) Result: 5.6 = 36 in. chimney sections needed.
- 5 You can't buy 6/10 of a chimney section. But 6/10 of 34.5 in. is 20.75 in., so you need a 24 in. chimney section (installed length 22.50 in.)
- 6 Result: You need five 36 in. and one 24 in. chimney sections.

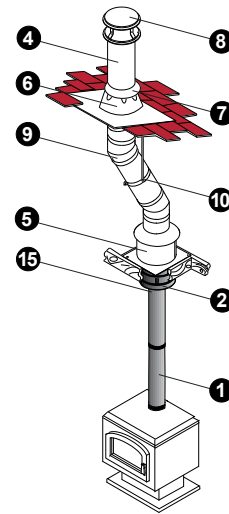
*Required by fire and building codes. Does not need to be a fire safe construction.

Your Installation

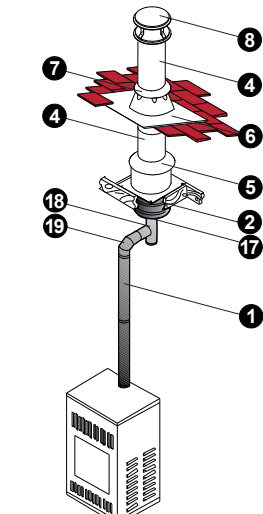
- Step 1.** Measure the diameter of the appliance flue outlet. Select the chimney and either DVL or DuraBlack connector stovepipe with the same size diameter as the appliance flue outlet. For fireplace installations, refer to the sizing chart in the back of the DuraPlus section of the catalog.
- Step 2.** 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. See diagram below.
- Step 3.** 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 diagram below.
- Step 4.** If an offset is required to avoid rafters or other obstructions, measure the horizontal distance required and the vertical height available. Both 15° and 30° elbows are available. Please note that 45° DuraPlus chimney elbows are not allowed in the United States. At least one Elbow Strap is required for each offset. Elbow Straps ensure adequate support.
- Step 5.** Determine the total length of chimney and stovepipe required for the installation. To calculate the installed per length of 6"-8" DuraPlus chimney pipe, subtract 1 1/2" per joint. Subtract 1 1/2" 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.



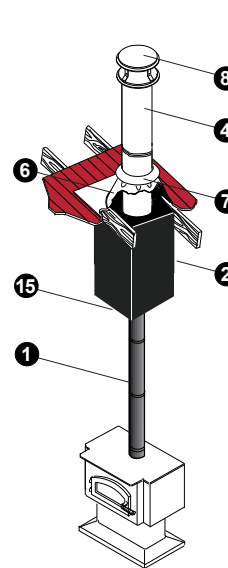
Manufactured Home (DVL stovepipe required for this installation)



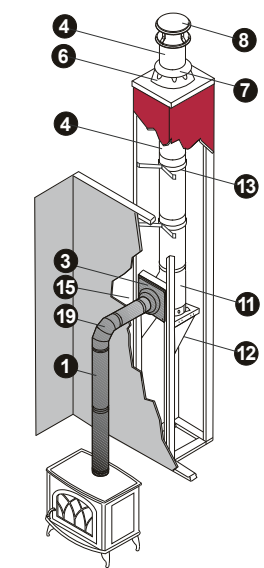
Attic Offset



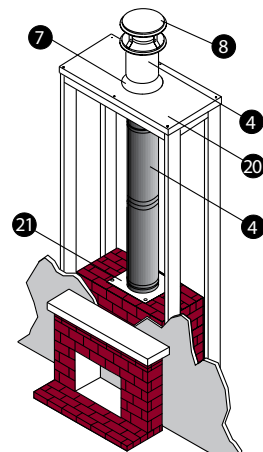
Oil Furnace



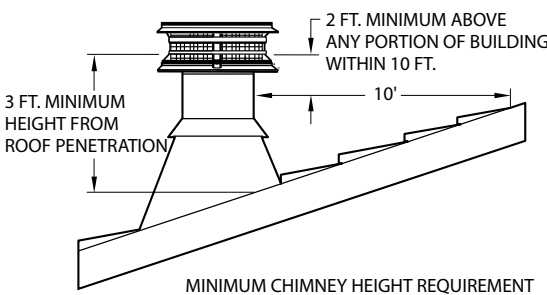
Cathedral Ceiling Roof Support



Through-the-Wall (Wall Thimble required for all through-the-wall installations)



Fireplace (new or retrofit)



The DuraPlus Chimney system begins with the triple wall pipe, but also requires other components to ensure a proper installation and correct chimney performance. These components include the necessary firestops, radiation shields, flashing, storm collar, and chimney cap. All of these components help to maintain a safe chimney system listed to UL 103 HT.

Stovepipe connects to the stove. It is the usually black interior pipe that transitions from the stove to the chimney pipe with an adapter. It is not insulated and cannot penetrate ceilings or walls.

In most cases, single-wall stovepipe must be at least 18" from combustible walls, furniture, etc. DVL double-wall stovepipe reduces this to 6". Clearances differ between stoves, see stove manufacturers instructions for specifications.

1	DVL or DuraBlack Stovepipe
2	Ceiling Support Box
3	Wall Thimble
4	DuraPlus Chimney
5	Attic Insulation Shield
6	Roof Flashing
7	Storm Collar
8	Chimney Cap
9	Elbow
10	Elbow Strap
11	Tee with Cap
12	Tee Support Bracket
13	Wall Strap
14	Firestop Radiation Shield
15	Snap-Lock Adapter, DVL/DuraBlack Chimney Adapter, DuraBlack Slip Connector
16	Extended Roof Bracket
17	DVL or DuraBlack Chimney Adapter
18	DVL or DuraBlack Tee
19	DVL or DuraBlack Elbow
20	Chase Top Flashing
21	Anchor Plate

DURAPLUS® Quick And Easy Fire Safe Chimney Installation

The following is a brief overview of a typical installation. Detailed installation instructions can be found at www.duravent.com.



1. Drop a plumb line to center of stove flue collar. Mark center point on ceiling, and cut and frame a 14 1/2" square opening around this center point.



2. Slide the chimney support box into the framed opening from below, and level it. At least 2" of the box should extend below finished ceiling.



3. Nail the chimney support box to the framed opening from above. Use at least two 8 penny nails on each side.



4. Screw the support box trim to the ceiling.



5. Lower the first chimney section over short piece of pipe in the bottom of the support box. Push together and twist to lock.



6. Slip insulation shield over chimney until base sits squarely on framed opening or nests in the support box. Nail to opening or screw to box.



7. Wrap insulation shield collar around chimney. Slide it down to the shield.



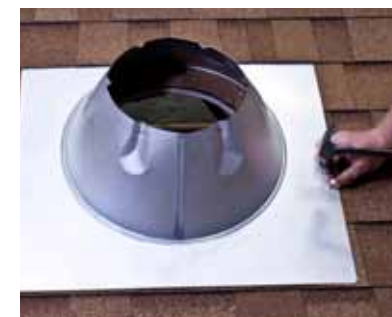
8. Drop a plumb line from roof to center of chimney. This establishes the center point for cutting a round hole through the roof.



9. Hole in roof must provide at least a 2" clearance all around the chimney. Add more chimney sections, and twist to lock.



10. Complete the chimney installation above the roof by adding more chimney sections. Make sure the chimney is plumb.



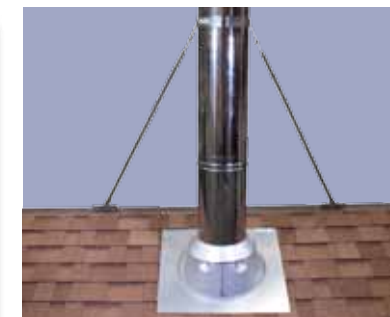
11. Slip the flashing over the roof hole so the top edge is under the shingles above. Nail the flashing to the roof across the top and down 1/2 each side. Seal flashing and nailheads with weatherizing sealant.



12. Add more chimney sections until chimney is at least 3 ft above roof, and at least 2 ft above any part of your house within 10 ft.



13. Apply high temperature silicone sealant where storm collar will meet chimney. Slip storm collar around chimney and slide down. Seal with high temperature silicone sealant.



14. Support the chimney with an Extended Roof Bracket.



15. Press chimney cap into the last section of pipe. To clean remove the (4) screws and brush the inner sleeve.