How Many Lengths Will You Need?

Chimney Safety

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

Designers stay cool on the outside, to provide a feel on the inside, to boost stove efficiency, and to provide a fire-safe design that protects both the chimney and the building. The triple-wall chimney features two insulating layers (refractory blanket, plus air space). The refractory blanket insulation is a field security in position, plus it’s fire-safe, fire-resisting, and withstood by creosote, 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 layer and stainless steel inner liner. It is also composed of a surfacing blanket plus a ventilated layer that requires no tools and is easy to install, providing an airtight fire barrier and light construction. All kits include most items you will need for a typical installation.

DuraPlus® basic kit (6DP-BSC) includes:
- Through-The-Wall Kit
- Chimney Cap with Spark Arrestor
- DVL Double-Wall Black Chimney Adapter
- Starter Section
- Support Box
- Flat Ceiling Support Box
- Chimney Pipe
- Galvanized 12" length
- Stainless steel 12" length
- DVL Close Clearance Connector Kit
- Chimney Pipe
- 36" — Galvanized (2 elbows and wall strap)
- Stainless steel 36" length
- Stainless steel 36" length
- Additional items are available special order.

Technical Information

DuraVent does itself in providing the best customer service and technical support in the industry. Our Customer Service Team is available to answer technical questions.

Monday – Friday
Tel: 800-835-4429
Fax 707-446-4746
customerservice@duravent.com

DuraPlus® Guide

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

Does not need to be a fire safe stovepipe.

Always use 24 gauge black single-wall stovepipe.

2 inches below finished ceiling.

Support Box extends at least with built-in starter section.

Chimney must be enclosed where needed at the first ceiling level or the roof.

Ceiling Support Box

Chase Enclosure*

Firestop Radiation Shield*

Attic Insulation Shield*

Flashing holds chimney centered with Storm Collar

Adjustable Roof Flashing

Extended Roof Support Bracket

DVL Close Clearance Connector Kit

DVL, Stainless Steel, Black Matte Finish, 60°, 90°, 135°, 180°, 225°, 270°, 315°, 360°, Chimney Pipe, 24" in length (6DP-C36)

DuraPlus® Manufactured Home Kit 6DP-KMFG

DVL / DuraBlack Chimney Adapter, Two 24" Double-Wall Black Connector Kit

DVL / DuraBlack Chimney Adapter, Two 24" Double-Wall Black Through-The-Wall Kit

DuraPlus® Basic Kit 6DP-KBSC

DuraPlus® Manufactured Home Kit 6DP-KMFG

DuraPlus® Kit 6DP-KTTW

DuraPlus® Manufactured Home Kit 6DP-KMFG

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Your Installation

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 wall through the smoke collar. Screw the support box trim to the ceiling. Lower the first chimney section over short piece of stovepipe in the bottom of the support box. Push together by adding more chimney sections. Make sure the chimney is plumb.

3. Drop a plumb line from roof to center of chimney. Cut hole in roof so that it is 2' higher than any portion of building within 10' . See diagram below.

4. Attach the Attic Offset support to the wall of the room where the appliance is to be installed, and fasten the chimney pipe with an adapter. It is often advisable to use at least two 8 pony nails on each side. Screw the support box trim to the ceiling. 

5. Cut the flashing over the chimney by blending the top edge with the roof’s edge. Fasten the flashing to the roof by adding 4 8 penny or screw through the flashing and twist to lock.

6. Heat insulation to manufacturer’s distance from chimney. This establishes the center point for cutting a round opening in the wall thimble required for this installation)

7. Wrap insulation collar around chimney. Slide it 3 ft. above roof, and at least 2 ft. above any portion of your building within 10'. See diagram below.

8. Drop a plumb line from bottom of chimney. This establishes the bottom point for setting starting screw. Use at least 2 8 penny nails on each side. 

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 roof. This includes the chimney adapter, chimney cap, and chimney cap. All of these components include the necessary correct chimney performance. These parts must be installed to ensure a proper installation and function. 

11. Slip the flashing over the chimney by blending the top edge with the roof’s edge. Fasten the flashing to the roof by adding 4 8 penny or screw through the flashing and twist to lock. 

12. Add more chimney sections until chimney is at least 15' above the appliance outlet. Higher elevations, or the horizontal distance required to avoid rafters or other obstructions, measure the horizontal distance required for the installation. To calculate the installed height, subtract 0 75" per joint of DVL stovepipe. Minimum chimney height required for the installation. To calculate the installed height, subtract 0 75" per joint of DVL stovepipe. 

13. Check that the chimney is plumb. This is determined by the level of the chimney and the rise of the chimney. The rise of the chimney is 6" over a horizontal distance of 12". Select the appropriate flashing. See diagram below.

14. If the chimney is more than 5 ft. above roof, support one Elbow Strap is required for each offset. Elbow Straps are available. Please note that 45° DuraPlus chimney elbows are not allowed in the United States. At least 1 1⁄2" per joint of DuraBlack stovepipe is required for this installation.

15. Press chimney cap into the last section of pipe. To ensure adequate support.

16. Chimney must extend below finished ceiling. Stovepipe connects to the stove. It is the usually black interior pipe that runs through the wall thimble required for all through-the-wall installations)

17. Chimney must extend below finished ceiling. Stovepipe connects to the stove. It is the usually black interior pipe that runs through the wall thimble required for all through-the-wall installations.

18. DVL or DuraBlack Tee

19. DVL or DuraBlack Chimney Adapter, Snap-Lock Adapter, DVL/UL 103 HT.

Detailed installation instructions can be found at www.duravent.com.

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.