A double-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 double wall chimney features a flexible refractory insulation blanket between walls. The refractory insulation is held securely in place, eliminating hot spots common with loose fill insulations. In the event of a creosote fire, the blanket insulation permits the chimney liner to expand outwards in a radial direction.

DuraVent’s DuraTech for wood burning stoves is built with a stainless or aluminized steel outer wall and a stainless steel inner liner. It is insulated with a blanket insulation. DuraVent’s unique twist-lock design requires no tools and is easy to install, providing an exceptionally firm and tight connection.

Specifications

Applications
5”-8” 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, gas, and zero-clearance fireplaces that are factory-built.

Materials and Construction
5”-8” diameter pipe features inner wall of .020” 430 stainless steel. Outer wall options of .016” 430 stainless steel or .021” galvalume steel. A Thermal Tech (refractory) blanket insulation is encased between walls. Stainless steel end rings seal the pipe.

DuraTech features light weight insulation, twist-lock fittings, support boxes with factory installed male end coupler, elbows with 360° swivel base, select black finish pipe lengths, five foot length pipe sections, and adjustable pipe lengths.

Clearances
2” clearance to combustibles.

Shrouds
UL Listed with DuraVent shroud specifications. Information available online at www.duravent.com or call and request L157.

Diameters
5”-8”

Listings
c-UL-us Listed to UL 103 HT and ULC S604 (MH7399) (Stainless steel outer wall required for installation in Canada).
**DuraTech® 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. Refer to installation instructions for framing dimensions.

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 floor joists. Make sure the chimney is plumb.

4. Insert the ceiling collar into the top of the chimney support box. Insert the chimney pipe through the support box and into the chimney. Push together and twist to lock.

5. 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.

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

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

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

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

10. 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.

11. 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.

12. If the chimney extends 5’ or more above the roof penetration an Extended Roof Bracket is needed.

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

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

**DuraTech® Chimney Installation Components**

- DVL, or DuraBlack
- Ceiling Support
- Wall Thimble
- Chimney Pipe
- Attic Insulation Shield
- Flashing
- Shelf Collar
- Chimney Collar
- Elbow
- Elbow Strap
- Tee with Tee Cap
- Tee Support
- Tee Support
- Chase Top Flashing
- Base Tee/Double Tee
- Anchor Plate or Anchor Plate with Damper
- Roof Support
- Fitting/Collar
- DVL Adapter, DuraBlack Slip Connector, or Snap-Lock Adapter
- DVL Adapter (w/ or w/o damper)
- DVL/DuraBlack Chimney Adapter
- DVL/DuraBlack Chimney Adapter, DuraBlack Slip Connector, or Snap-Lock Adapter

**Typical Installations**

- **Cathedral Ceiling**
- **Cathedral Ceiling With Support Box**
- **Through-The-Wall Cathedral Ceiling**
- **Oil Furnace**
- **Fireplace**

**DuraVent**

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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. Make sure the chimney is plumb.

4. Insert the ceiling collar into the top of the chimney support box. Insert the chimney pipe through the support box and into the chimney. Push together and twist to lock.

5. 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.

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

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

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

15. Slip the chimney support box to the framed opening from above. Make sure the chimney is plumb.

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