**How To Plan Your Chimney Installation**

**How It Works**

The chimney system allows your stove or fireplace to exhaust flue gases while it drafts (creates the draw) that pulls fresh air into the stove. A well-balanced system produces an even, hot fire when it has good draft. The draft suction keeps smoke from coming into the room. Insulation in the chimney pipe is important because it helps keep the exhaust hot until it is expelled outside. Heat in the chimney makes draft, which pulls in more combustion air. This creates a hotter fire, delivering more heat to the chimney, resulting in more combustion. The size of the flue is important for the system to work efficiently. The appliance manufacturer’s installation instructions will indicate how to size the flue to match the stove’s flue collar.

Stovepipe connects to the stove. It is usually the 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. Chimney pipe is an insulated, double-wall flue system, engineered specifically for the exterior, and is insulated to maintain heat. A chase top flashing or a chimney cap is required. A chimney support box is also required. The chimney system allows your stove or fireplace to exhaust flue gases while it drafts (creates the draw) that pulls fresh air into the stove. A well-balanced system produces an even, hot fire when it has good draft. The draft suction keeps smoke from coming into the room. Insulation in the chimney pipe is important because it helps keep the exhaust hot until it is expelled outside. Heat in the chimney makes draft, which pulls in more combustion air. This creates a hotter fire, delivering more heat to the chimney, resulting in more combustion.

**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 PST | 8:30am – 7pm EST

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DuraTech® F-8™

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 gas temperatures for optimum draft performance.

The inner wall is 25% thicker than competitive chimneys for an extra margin of safety. No locking bands or mechanical fasteners required.

DuraTech’s sleek “slit” wall design provides for easy installations through 90° on center framing. For tight installations, a Reduced Clearance Square Ceiling Support Box is available (5” diameter DuraTech only).

Designed for normal, continuous operation at 1000° F gas temperatures, DuraTech is subjected to rigorous and demanding UL testing. DuraTech features light weight materials and construction.

5”-8” DuraTech® is a double wall, gas tight, all fuel chimney system that can be used with wood stoves, fireplaces, furnaces, boilers, water heaters, or other appliances fueled by wood, oil, coal, or gas, and zero-clearance fireplaces that are factory-built.

Materials and Construction:

5”-8” diameter pipe features inner wall of 0.021” galvalume steel. Outer wall options of 0.018” 430 stainless steel or 0.027” galvalume steel. A Thermal Tech Blanket insulation is encased between walls. Stainless steel and ships vide the “pipe” package.

DuraTech features light weight insulation. Insulation, lock joint fittings, support boxes, and factory installed starter sections, elbows with 300° coated base, select black finish pipe lengths, Box is available (6” diameter DuraTech only).

Clearances:

2” clearance to combustibles.

5”-8” DuraTech is a double-wall, gas tight, all fuel chimney system that can be used 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.

Clearances:

2” clearance to combustibles.

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