An Introduction to

DVL®
Double-wall interior close clearance stovepipe for connecting woodstoves to chimney. ULC S641.
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What is DVL Stovepipe, and why should I care?

Stovepipe is a **boring** topic...
I mean c’mon...
It’s just pipe – right??
What is DVL Stovepipe, and why should I care?

WRONG- DVL is NOT BORING!

There are many differences in today’s stovepipe products. Good product knowledge is an absolute requirement from both a safety and sales perspective.
What is DVL Stovepipe, and why should I care?

This presentation will provide information to help you succeed when assisting customers.

Sources: Most of this information is taken from the DuraVent product catalog (DVL Section) and the DVL Installation Instructions.

Other tips offered are usually learned the hard way – though trial and error.
DVL Stovepipe

Stovepipe is commonly referred to as flue-pipe or “connector” pipe. It is used to attach a freestanding stove, furnace or boiler to a masonry or factory-built chimney.

Stovepipe is not chimney!!

WARNING: DO NOT ENCLOSE STOPEPIPE!
DVL cannot be used to pass through walls, ceilings, attics or closets.

WHY do you suppose this is?
Improper use of stove-pipe can quickly lead to HOUSE FIRES!

Volunteer efforts snuff chimney blaze

Citizen story

A Drexel Volunteer Fire Department crews responded and extinguished a fire that broke out in the chimney area of a 10,000-square-foot Grove Road home Wednesday morning.

Eight firefighters were called to the scene shortly before 9 a.m., where they found the home full of smoke, and some flames coming out of the wall in the middle of the house where the chimney is, said deputy chief Jason Soto.

The blaze was brought down after the drywall in that section was pulled back. About four feet around the perimeter of the ceiling was also removed in case the fire had extended into the attic, but no flames were found.

Firefighters, trucks and equipment from the Tullymore and Rockdale fire departments were also called to the scene to provide backup as the fire turned out to be larger than expected.

“It was a good rescue,” Soto said. “There was very minimal damage.”

Drexel firefighters also put out a chimney fire on Tuesday morning at a home on Traditional Place.
**DVL Stovepipe**

Stovepipe is typically classified under one of two categories:

- **Single-wall**
- **Double-wall**

DVL falls into the double-wall category.
Materials & Construction

DVL is “double-wall” pipe.

It features a durable, corrosion-resistant stainless steel inner flue with a painted galvanized metal outer jacket.

.016" stainless steel inner wall
.018" painted galvanized outer wall
Why DVL is better

Double-wall is preferred by professional installers for four reasons:

1. Improved Burn Safety
2. Clearance Reduction
3. Performance
4. Durability
Why DVL is better

IMPROVED BURN SAFETY

Coming into contact with hot single-wall stovepipe will surely result in nasty contact burns.

This is a **big** concern for any households with small children.

While a barrier can be placed in front of a stove, steering your customer to DVL double-wall stovepipe provides a simple solution that will dramatically reduce the risk of injury.
Why DVL is better

CLEARANCE REDUCTION

Standard single-wall stovepipe requires a whopping 18” of clearance to walls and ceilings!!

DVL can be installed with as little as 6” of clearance to an adjacent wall, or 8” of clearance to a ceiling above.

In many situations, there is just not enough room to have a stove spaced 18” out from a wall unless custom heat shields are used.
Why DVL is better

PERFORMANCE

Double-wall pipe helps to maintain higher flue-gas temperatures. This results in better and more consistent draft.

Draft is absolutely critical for proper operation of today’s modern woodburning stoves.

As an added benefit, hotter flue gases also help to reduce creosote deposits.
Why DVL is better

DURABILITY

Single-wall stovepipe has a short lifespan. It is prone to rusting and perforation due to corrosion. In fact, with heavy use, cheap snap-lock varieties of stovepipe often require complete replacement every two or three seasons. DVL has a Limited Lifetime Warranty.

DVL will cost a little bit more, but will provide long-term savings because it can last a lifetime!
How does DVL differ from other brands of double-wall pipe?

DVL is thicker.

Most competing double-wall stovepipe products have a 1/4” or 3/8” wall thickness.

DVL has a 1/2” wall. This added thickness gives DVL a fat, rich profile that looks great on wood-stoves.
How does DVL differ from some of the other brands of double-wall pipe?

The outer wall on DVL is fully enclosed. The space between the inner and outer walls provides an air-insulated jacket.

Ends on each section are vented with small circular openings to permit air-flow from one length of DVL into another.

This approach results in a clean and neat installed appearance.
How does DVL differ from other brands of double-wall pipe?

This air-insulated jacket helps to retain heat instead of releasing it within the room.

Benefits include:
• Faster start-ups
• Better, more consistent draft
• Minimization of creosote formation
Will DVL match other DuraVent chimney components?

DVL is painted satin black.

Ceiling supports and thimble trim offered with our DuraTech and DuraPlus chimney lines are painted with an identical finish.

If DVL is used with another manufacturer’s chimney, the shades may not be identical, but should still contrast but still coordinate.

Be sure to point this out to perspective customers to help set expectations.
Will DVL match other chimney components?

If the customer wants DVL stovepipe to match a competitor’s chimney, the installer may need to re-paint components.

This can be easily accomplished provided the installer arrives prepared. Aside from spray paint; drop-sheets, masking paper (newspaper) and painter’s tape will all be required.

Note: We address paint touch-up later in this presentation.
Can DVL be mixed with other brands of stove-pipe?

**NO! DVL cannot be mixed.**

Aside from different outside diameters, the connection methods will be completely different.

*Note: Double-wall stovepipe is a certified product. Attempting to mix different brands of double-wall stovepipe will void warranty & liability.*
Applications

DuraVent’s **DVL** double-wall stovepipe is available in 6”, 7”, and 8” diameters. A wide variety of pipe components are available to suit most any job.

**Do not attempt to cut DVL.**

Use only telescoping or adjustable lengths. An adjustable can be combined with any other pipe length to form a telescope.
INSTALLATION

What is the difference between a telescoping length and an adjustable?

ADJUSTABLE LENGTHS:
An adjustable length can be combined with any other fixed length to form a telescope. Depending on lengths selected, the overall minimum and maximum length will vary.

For example: Combine a 24” fixed length and a 12” adjustable length.
INSTALLATION

What is the difference between a telescoping length and an adjustable?

ADJUSTABLE LENGTHS:
The 12” adjustable can add as little as 2”, and as much as 11” of length.
This creates a telescoping section that can be as short as 25 ¼”, but stretch to 34 ¼” if required.

Note: These measurements factor in joint overlap. With DVL, you subtract ¾” to determine installed length.
INSTALLATION

What is the difference between a telescoping length and an adjustable?

TELESCOPING LENGTHS:

Aside from adjustable lengths, you can choose from two different telescoping lengths. These come boxed as a matched pair:

**DVL-46TA**  
Adjusts from 29” up to 46”

**DVL-46TA**  
Adjusts from 40” up to 68”

To complete most vertical installations, all you need is a telescoping section.
INSTALLATION

IMPORTANT: Be sure to follow assembly instructions closely when working with telescoping and adjustable lengths.

When assembling a telescope, resist the urge to push the telescope down as short as it will go. Doing this will only make it much more difficult to pull it back to the required length.

Hardware: Other than the connection at the appliance outlet and at the ceiling support, only use the short 3/8” screws provided with DVL pipe. Overlength screws will puncture the inner flue. On a telescope, this would eliminate the flue’s ability to expand & contract as required.
INSTALLATION

Do I need a stovepipe adapter?

Method for attaching DVL to the stove will vary depending on the inner diameter of the appliance outlet.

Thickness and height of the outlet collar can vary widely from stove to stove.

An adapter may not be required.

Before finalizing a material list, conduct a quick trial-fit to determine which DVL part might be best to make the connection at the stove.

It would also be wise to review the instructions that were supplied by the stove manufacturer. They may offer specific instructions for fastening stovepipe to their outlet collar.
INSTALLATION

Do I need a stovepipe adapter?

With many of today’s stoves, the bottom portion of a DVL Telescoping Length will fit right down over the stove collar. If so, **no adapter is required**.

In some cases, a DVL Adjustable Length (DVL-6ADJ or DVL-12ADJ) may provide the better fit. If the inner on the pipe almost fits, you are free to crimp the inner sleeve as needed to make it work.

If the inside diameter of the stove collar is still clearly too small, it is then appropriate to use a DVL Adapter (DVL-AD) instead. The adapter is available in two versions; with or without a damper section.

**Note:** A damper should only be used if approved by the appliance manufacturer.
INSTALLATION

Fastening DVL to the Stove’s Outlet

If the stove manufacturer offers specific instructions, follow them.
If not, here is some general advice that may be helpful:

Ideally, the pipe will sit right down on top of the outlet.
The holes in the pipe are not likely to match-up with any pre-existing holes provided within the stove outlet collar (these outlet holes were intended for use with single-wall pipe).

Even if the hole pattern matches, the height may not work.

As the stove outlet collar will be hidden once DVL is placed overttop, most stove manufacturers will not be concerned if you drill new holes through their collar.
INSTALLATION

Fastening DVL to the Stove’s Outlet

Pilot holes will make it much easier to screw the pipe to the outlet collar. Using the pre-existing holes in the bottom end of a DVL length as a template, drill three 1/8” or 9/64” pilot holes through the stove’s outlet collar.

Tip: Use a new drill bit! Save yourself a pile of trouble by discarding these bits after two or three uses as they get dull quickly. Attempting to drill a hole with a dull bit only leads to extreme frustration...

Fix the pipe in place with three 1” black self-tapping screws. From there, assemble the rest of your DVL stovepipe as required.
INSTALLATION

When installing DVL to the chimney, the method used can vary depending on the model of chimney, and the application.

With DuraTech and DuraPlus chimney, an adapter will be required.

Be sure to read the installation instructions closely for directions to suit your particular chimney product.
INSTALLATION

With DuraTech, a finishing collar is also offered. This pre-painted collar is designed to twist-lock right into DuraTech chimney.

TIP: For best appearance, always turn the pipe so the lock-seam faces away from view.
INSTALLATION

Working with an Oval Outlet??

We do offer an Oval-to-Round stove adapter for use with DVL on Vermont Castings stoves.

For other appliances with oval outlets, you may be able to ovalize the end of a DVL adjustable length.

Tips on how and when you might do this can be found in our certified installation instructions.

Copies of these instructions are included with DVL. You can also find DVL instructions on our website.
Additional Tips

Can a Probe Thermometer be Installed with DVL?

**YES.** This is fine providing the thermometer is specifically designed for use on solid-fuel flue pipes.

Advise your customer to follow the instructions provided by the manufacturer of the thermometer.
Additional Tips

Final Steps before Firing the Stove

Product Labels

After the installation has been inspected and approved, product labels **can** be removed from DVL double-wall stovepipe.

If labels are left on the stovepipe, they only begin to melt & disintegrate once the stove is burned. Aside from being unsightly, this could amplify odours created during the curing process.

Once removed, you can re-apply one or two on a blank page within the DVL installation instructions. This will ensure the label information is available for future reference by any inspector.

**Note: NEVER remove labels from chimney components.**
Additional Tips

Final Steps before Firing the Stove

Cleaning

Remove any remaining glue residue left behind from the product labels. “Goo Gone” is handy for this purpose.

Wipe the entire stovepipe carefully from top to bottom using a good household cleaner. Doing this helps to remove any fingerprints, oil, or other debris that may still be clinging to the pipe’s surface.

Note: Burning the stove without cleaning the pipe could cause deposits to etch into the paint’s finish. Damage of this nature is NOT covered by warranty.
Additional Tips

Final Steps before Firing the Stove

Paint Touch-Up with DVL

Installing stovepipe without scuffing or scratching the paint is impossible. Touch-up just goes with the territory if you want a professional-grade installation.

We recommend *Stove Bright Flat Black 6304* spray paint. This shade is a good match for the original factory paint once it cures. We do not sell this paint. It must be sourced from an authorized distributor.

*Be sure to follow the paint manufacturer’s instructions closely for best results.*
Additional Tips

Set Expectations!

When the appliance is first fired, expect to see light smoke coming off the appliance and stovepipe. This is due to oils used in the manufacturing process. Paint on the stovepipe and other painted surfaces will also emit a moderate odour.

This is part of the NORMAL curing process. Any odours will fade with use.

Being sure to point this out to dealers and installers will help to set expectations, and prevent complaints.
CONCLUSION

Read the Instructions

Before starting any installation, the installer should be reviewing the instructions for both the appliance, and the venting products being used.

Copies of our DVL instructions are packaged with the product. They are also available on our website.

Note: The information in this presentation is for supplemental purposes only. The certified installation instructions always take precedence.
CONCLUSION

Read the Instructions

Knowledge & experience are key elements in the sales process. Salespeople should make time to familiarize themselves with the information shown in both the DVL product catalog and the installation instructions.

“The only knowledge that can hurt you is the knowledge you do not have.”
Thank You!

We appreciate the time made to review this presentation!

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