

# DURAPLUS CANADA 2 DPC2

Factory-built 650°C  
Chimney 6" & 7" dia.

## CONTENTS

WARNING.....	2
KEEP YOUR CHIMNEY CLEAN, SIZING CHART.....	3
GENERAL INSTALLATION NOTES.....	4-5
INTERIOR STRAIGHT INSTALLATION .....	6
EXTERIOR INSTALLATION .....	7-9
REPLACEMENT PARTS .....	10-11
WARRANTY .....	13

## INSTALLATION

## AND

## OPERATION

## INSTRUCTIONS

### WARNING

A MAJOR CAUSE OF CHIMNEY-RELATED FIRES IS FAILURE TO MAINTAIN REQUIRED CLEARANCES (AIR SPACES) TO COMBUSTIBLE MATERIALS. IT IS OF UTMOST IMPORTANCE THAT THIS CHIMNEY BE INSTALLED ONLY IN ACCORDANCE WITH THESE INSTRUCTIONS.

**These instructions must be followed in their entirety. Failure to do so may result in hazardous installation. Read these instructions and keep them for future reference.**



Intertek

Standard: ULC S629-M87

PI DPC2 REV.0 08/2020

# DuraVent®

2125 Monterey St. • Laval, QC, Canada • H7L 3T6  
1-833-DuraVent; [www.DuraVentRetail.com](http://www.DuraVentRetail.com)

## RECOMMENDATIONS

### Clearance

The clearances stated in this guide are minimum requirements: if more space is available, use it. Minimum clearances mean leaving unobstructed air space. Do not fill these spaces with any material whatsoever, especially not insulating material.

### Inspection

Contact local building or fire officials about restrictions, installation inspections and permits that may be required in your area.

### Replacement Parts

If a component of your chimney system is damaged it must be replaced by an identical one from Du-raVent.

### WARNING

#### CREOSOTE FORMATION AND NEED FOR REMOVAL

When wood is burned slowly, it produces tar and other organic vapors, which when combined with expelled moisture form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited this creosote makes an extremely hot fire. ...A creosote deposit just 1/8" (3 mm) thick is enough to cause a chimney fire.

#### COAL:

Some coals contain large quantities of sulfur (up to 7%). When coal is burned, sulfur and coal ashes are deposited in the chimney flue. This deposit combines with moisture to form a highly corrosive acid (sulphuric acid). In order to protect your chimney, we recommend that you:

1. Burn only low sulfur coals (less than 1% sulfur).
2. Have your chimney cleaned within 48 hours of shutting down your stove at the end of the heating season. Be certain that all the soot is removed. Wipe the chimney flue using a strong solution of baking soda and water. This can be done by wrapping a rag around a chimney cleaning brush, dipping it into the baking soda-water solution then passing it through the chimney three or four times.

## WOOD AND COAL STOVES

We recommend:

1. Choose a stove that bears the label of a testing laboratory (such as ULC, CSA, WH, UL, or ICBO).
2. Choose the right size stove. Do not buy one larger than you need.
3. Connect only one appliance to a chimney.
4. Never overfire your stove. If any part of the stove or stove pipe is glowing red, then you are overfiring. Immediately close the stove's dampers until the system cools. The high temperature caused by overfiring can permanently damage the stove and stove pipe and may overheat nearby combustible walls and furniture.
5. Install the stove and stove pipe as described in the installation instructions accompanying the stove. Be certain to maintain the required clearances to combustible construction.
6. Keep your flue gases between 150°C and 260°C. This will maximize efficiency while minimizing condensation and creosote formation. Do not fill your stove with wood and allow it to smolder for 8 to 10 hours. This condition produces large amounts of creosote in the chimney.
7. Do not burn sea driftwood or treated wood. These combustibles are highly corrosive to all types of stainless steel.

## KEEP YOUR CHIMNEY CLEAN

### CHIMNEY OPERATION AND MAINTENANCE

Wood stoves can quickly create large deposits of creosote in the chimney. Some wood stoves can create enough creosote in two weeks to cause a chimney fire. When using a wood stove, we recommend that you:

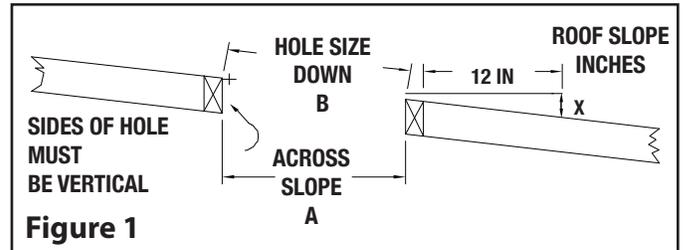
1. Initially, inspect the chimney system weekly. You will learn how often it will be necessary to clean your chimney.
2. The chimney should be inspected at least once every 2 months during the heating season to determine if a creosote or soot build-up has occurred. If creosote or soot has accumulated, it should be removed to reduce the risk of chimney fire.
3. Have your chimney cleaned by a qualified chimney sweep. If you want to clean your chimney yourself: clean your chimney using plastic, wood, or stainless steel brushes. Do not use a brush that will scratch the stainless steel interior of your chimney.
4. Do not expect chemical chimney cleaners to keep your chimney clean. Their use does not negate the necessity of periodically inspecting and cleaning your chimney.

## SIZING CHART

CHIMNEY-SIZE	6"	7"
OUTSIDE-DIAMETER	10"	11"
FRAMING-DIMENSION-REQUIRED		
Ceiling Support (Interior Kit)	14-3/8"	14-3/8"
Wall Thimble (Exterior Kit)	14"	15"
MAX. LENGTH HEIGHT SUPPORTED **		
Finish Support (Interior Kit)	30'	28'
Wall Support (Exterior Kit)	24'	22'

Table 1

## ROOF OPENING CHART



CHIMNEY SIZE	6"		7"	
ROOF SLOPE (X/12)	ROOF HOLE SIZE			
	A	B	A	B
0	14"	14"	15"	15"
2/12	14"	14 1/4"	15"	15 1/4"
4/12	14"	14 7/8"	15"	15 7/8"
6/12	14"	15 3/4"	15"	16 3/4"
8/12	14"	16 7/8"	15"	18 1/8"
10/12	14"	18 1/4"	15"	19 9/16"
12/12	14"	19 7/8"	15"	21 1/4"

Table 2 - Refer to Figure 1

# 1

## GENERAL INSTALLATION NOTES

### INSTALLATION NOTES

1. The chimney is intended for use with solid, liquid, and gaseous fuel burning appliances.  
Allowable flue gas temperature:  
Maximum continuous 650°C (1200° F)  
Brief forced firing 760°C (1400°F)  
Tested to 1150°C (2100°F) - 30 minutes
2. The maximum height of chimney supported by the various DuraVent supports are outlined on page 3.
3. The supports described in this booklet should only be used with 6" or 7" factory built chimneys.
4. Size the chimney in accordance with the appliance manufacturer's instructions.
5. A chimney servicing a fireplace or an incinerator shall not serve any other appliance.
6. The chimney shall extend at least 3 ft above its point of contact with the roof and at least 2 ft higher than any wall, roof or adjacent building within 10 ft of it.
7. The maximum height of an unguided chimney above the roof is 5 ft. If the chimney extends more than 5 ft. above the roof, a Roof Brace (XRSU) must be used.
8. The clearance between single wall pipe and unprotected combustible material must not be less than 18" (see National Building Code) except: The distance between the vertical stove pipe and the ceiling may be less than 18" and will be established by the finish support.
9. Portions of the chimney which may extend through accessible spaces shall be enclosed in all cases to avoid personal contact with the chimney and damage to the chimney. Except for installation in single and two-story family dwellings, the enclosure must have a fire resistance rating equal to or greater than that of the floor or roof assemblies through which they pass.
10. Do not fill the 2" space around the chimney with insulation or any other material. Insulation placed in this area could cause adjacent combustibles to overheat.
11. Self tapping screws are not required, but may be used to reinforce the connection and avoid accidental unlocking of chimney lengths. Use only 1/2" self-tapping screws. Do not penetrate

the inner wall of the chimney.

12. **If needed, when penetrating the building envelope the gap between the outer layer of chimney and any firestop or wall thimble can be sealed using high temperature rated (600°F) silicone caulking.**
13. The safe operation of a factory-built chimney assembly is based on the use of parts supplied by the manufacturer. The performance of the assembly may be affected if the combination of these parts is not used in actual building construction.



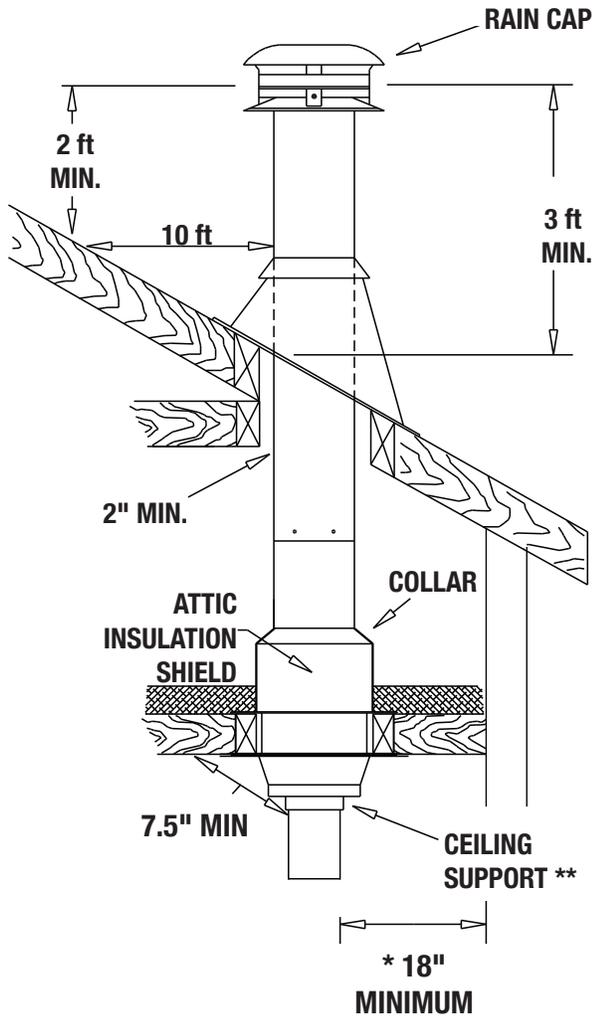
### WARNING

**The clearance between the chimney and combustible material must not be less than 2". Do not fill this area with insulation.**

14. All interior portions of the chimney must be accessible for inspection and cleaning.

# 1

## GENERAL INSTALLATION NOTES (CONT'D)



- \* CLEARANCE CAN BE REDUCED IF A LISTED CHIMNEY CONNECTOR IS USED.
- \*\* CLEARANCES FOR THE 7" CHIMNEY SUPPORT WILL BE LESS THEN 2".

Figure 2

### CAP REMOVAL FOR MAINTENANCE

To remove cap, unscrew the collar screw to untighten the collar. Pull on the cap to remove it from the chimney. To put the cap back in place, slide it over the chimney and then tighten the collar using the collar screw.

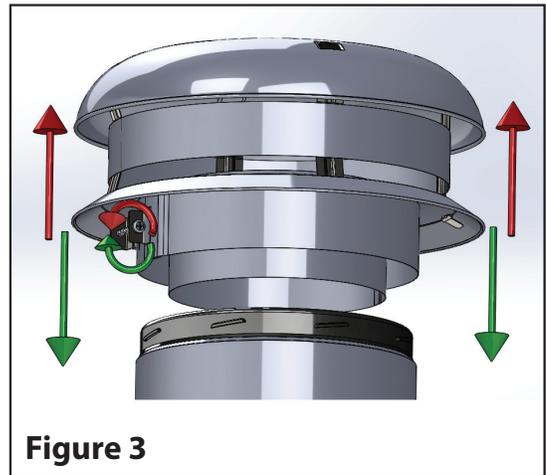


Figure 3

## 2

## INTERIOR STRAIGHT INSTALLATION

Step 1: Locate the chimney in a convenient place as near as possible to the appliance outlet.

Step 2: Cut and frame the openings in the ceiling and roof where the chimney will pass.

**NOTE:** It is important to follow the framing dimensions for the floor openings prescribed in this manual.

CHIMNEY SIZE	FRAMING DIMENSION	
	CEILING SUPPORT	ROOF OPENING
6"	14-3/8" x 14-3/8"	14" x 14"
7"	14-3/8" x 14-3/8"	15" x 15"

**Table 3**

Step 3: From below push the support into the framed opening. Attach the support to the framed box using (12) - 3" spiral nails or #8 x 1 1/2" wood screws (see Figure 5).

Step 4: Put this first chimney length in the support. Turn in clockwise to lock it in place.

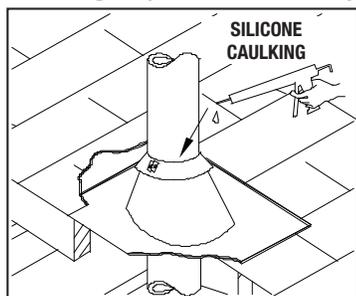
**NOTE:** Make sure arrow on pipe label is pointing upward.

Step 5: In the Attic, install an Attic Insulation Shield and Collar from above. (see Figure 6).

Step 6: Stack the next chimney length on the first length. Be sure that the male and female threads are not in line when putting the lengths together. Turn the chimney clockwise to lock it in place. You may add a 1/2" stainless steel self tapping screw to prevent accidental unlocking. Continue until the required chimney height is reached.

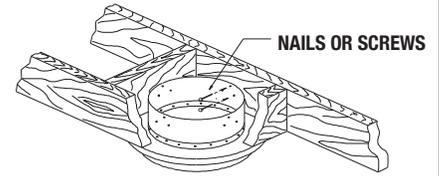
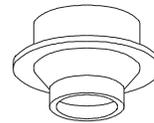
### Step 7: ROOF FLASHING INSTALLATION

Put the roof flashing in place. Seal the joint

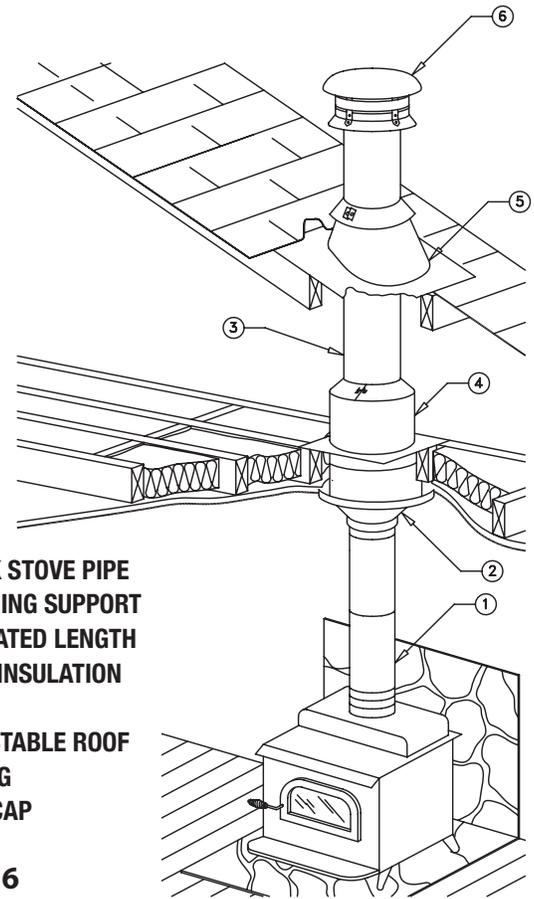


**Figure 4**

CEILING SUPPORT (SFC)



**Figure 5**



1. BLACK STOVE PIPE
2. FINISHING SUPPORT
3. INSULATED LENGTH
4. ATTIC INSULATION SHIELD
5. ADJUSTABLE ROOF FLASHING
6. RAIN CAP

**Figure 6**

between the roof and the flashing with roofing compound. For sloping roofs, place the flashing under the upper shingles and on top of the lower shingles. Nail the flashing to the roof. Place the storm collar around the chimney and slide down on top of the flashing. Tighten it with the bolt supplied and make sure the joint is properly caulked (see Figure 4).

Step 8: Attach the rain cap to the top of the chimney. (See Figure 3).

# 3

## EXTERIOR INSTALLATION

### INSTALLATION NOTES

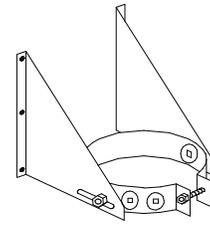
This chimney will provide optimum performance when installed within the heated space of a building. The consequences of installing the chimney outdoors, up the exterior wall of a building could result in:

- Back-drafting during cold weather when the connected appliance is not operating.
- Weak, unstable draft.
- Increased creosote accumulation.
- Increased potential for condensation of water vapor in the chimney flue.
- Decreased efficiency of the connected appliance.

If you do install an exterior chimney, we recommend that you enclose it using an insulated enclosure.

1. Maintain 2" clearance to combustible materials. Do not fill the 2" space around the chimney with insulation or any other material.
2. A Wall Band (**AWBU**) must be used to secure the chimney to the wall. Maximum distance between wall bands is 8 feet.
3. The minimum length of chimney extending past the inside wall is 5".
4. The maximum length of chimney extending past the inside wall is 24".
5. The distance between the stove pipe and a parallel combustible wall or ceiling must not be less than 18". The distance between the horizontal stove pipe and the unshielded vertical wall through which it passes must not be less than 7". (see *Figure 11*).
6. If an exterior installation is to be enclosed, allow for access to base of tee to facilitate required cleaning.
7. The minimum distance between the bottom of the Tee and any horizontal combustible (including the ground) is 2".

### Wall Support



**Figure 7**

### INSTALLATION INSTRUCTIONS

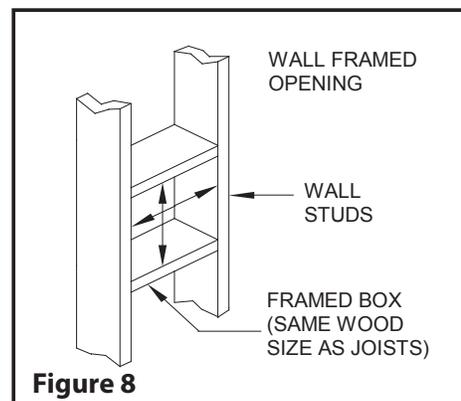
Step 1. Determine where the chimney will pass through the wall.

- For concrete walls cut a hole slightly larger than the chimney.
- For combustible walls cut and frame a hole 4" larger than the chimney, midway between the wall studs (see Table 4 below for sizing).

Normally wall studs are placed at 16" centers. With the hole midway between them, the support will fasten to these studs and thus ensure a strong attachment to the wall.

CHIMNEY SIZE	HOLE SIZE	
	COMBUSTIBLE	CONCRETE
6"	14" x 14"	10-1/4"
7"	15" x 15"	11-1/4"

**Table 4**



**Figure 8**

**NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.**

# 3

## EXTERIOR INSTALLATION (CONT'D)

Step 2. Wood walls: Place the exterior half of the Wall Thimble in the opening from the outside. Fasten in place using (4) 2" nails or 1" screws. This Wall Thimble is adjustable from 7" to 12". (see Figure 9). Make sure the insulation pad is cut to the desired length according to the wall thickness. Place the interior half of the Wall Thimble inside the exterior half of the Wall Thimble.

Using a level make sure that the hole for the chimney to pass through is horizontal. Screw the inner thimble in place with the provided screws. (see Figure 10).

**NOTE:** The cavity surrounding the radiation shield must be filled with any insulation (see Figure 10).

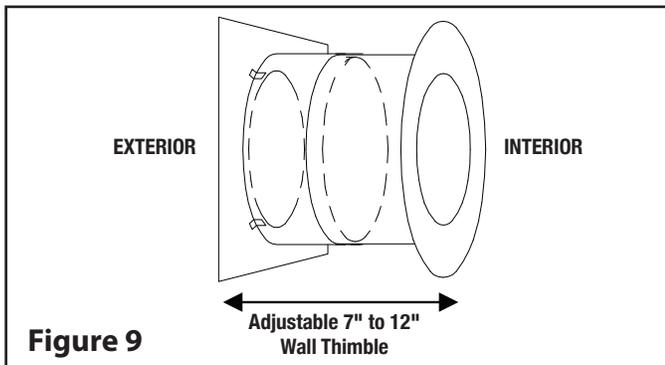


Figure 9

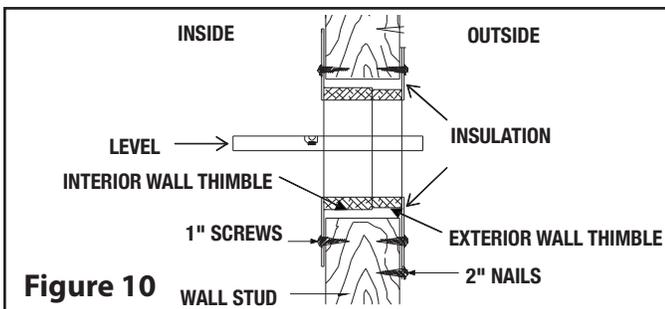


Figure 10

Step 3. The minimum length of insulated chimney required to pass through the wall will be wall thickness plus 7". The insulated chimney must extend at least 5" into the room beyond the finished wall. Insert this chimney length in the side branch of the insulated tee. Turn it clockwise to lock it in place. Seal this joint by wrapping it with the aluminum tape supplied with the tee.

Step 4: Fasten a chimney length to the top of the Tee.

Step 5: The Wall Support should be installed on the first vertical chimney section above the Tee. Tighten the Universal Band locking the bolt just enough to hold the Wall Support in place.

Step 6. This step will require 2 people: (see Figure 11).

Insert the chimney length of this tee-support assembly into the hole in the wall. Using a level, ensure the tee is vertical, then attach the support to the wall using (8) N°. 10 x 1 - 1/4" wood screws or 4" spiral nails. Tighten the collar nut and bolt.

**NOTE:** To provide sufficient strength, the nails must be driven into the wall studs. For concrete walls, the support should be attached using (8) 1/4" x 2" lag bolts.

Step 7: Attach the clean-out cap to the Tee.

Step 8. Attach the flue extension to the horizontal chimney length.

Step 9. Stack a chimney length on top of the length. Turn it clockwise to lock it in place. Continue until the required chimney height is reached.

**NOTE:** At 8' intervals, attach the chimney to the wall using a Wall Band (AWBU).

### 3

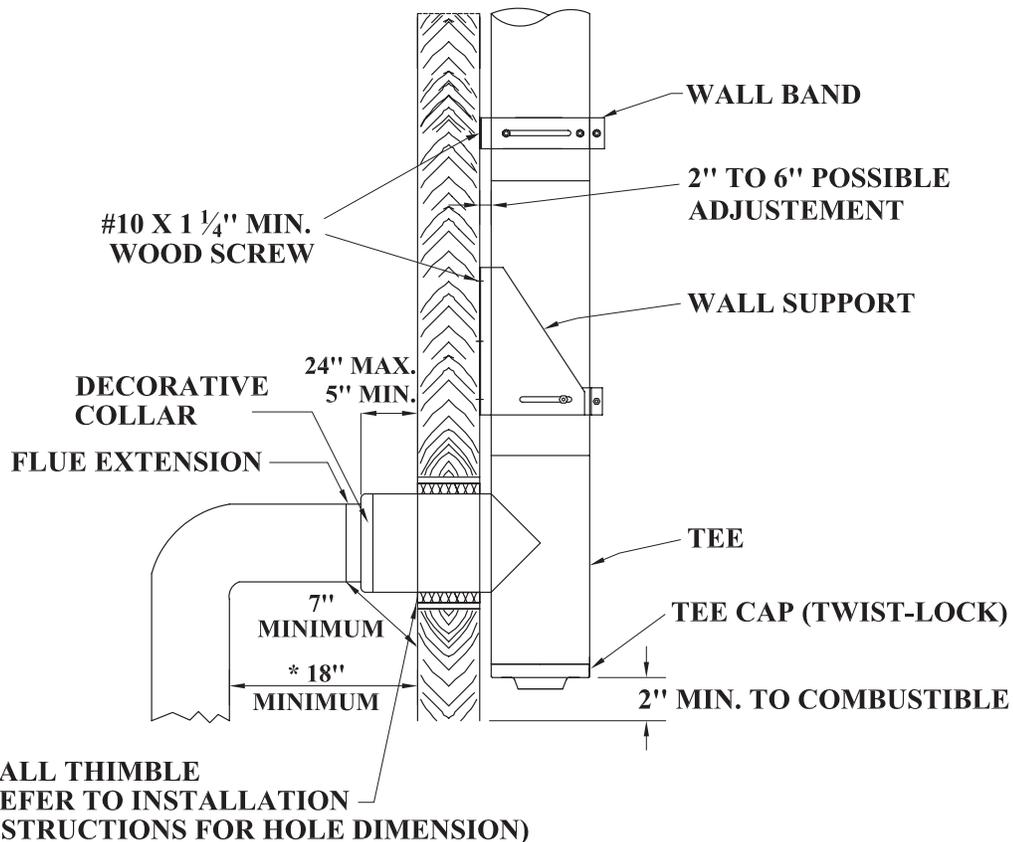
## EXTERIOR INSTALLATION (CONT'D)

Step 10: If the chimney passes through the roof, cut a hole large enough to provide 2" clearance between the chimney and the roof.

Step 11: Put the Roof Flashing in place. Seal the joint between the roof and the flashing with roofing compound.

For sloping roofs, place the flashing under the upper shingles and on top of the lower singles. Nail the flashing to the roof using roofing nails. Place the storm collar around the chimney and slide down on top of the flashing. Tighten it with the bolt supplied and make sure the joint is properly caulked.

Step 12: Attach the Rain Cap to the top of the chimney. (see Figure 3).



\* DISTANCE CAN BE REDUCED IF A LISTED CHIMNEY CONNECTOR IS USED

Figure 11

# 4

## REPLACEMENT PARTS



LENGTHS & FITTINGS	
ØDPC2-12	LENGTH Ø" X 12"
ØDPC2-24	LENGTH Ø" X 24"
ØDPC2-36	LENGTH Ø" X 36"
ØDPC2-T	TEE WITH TEE CAP (TWIST LOCK)
ØDPC2-TCI	INSULATED TEE CAP (TWIST LOCK)
SUPPORTS	
ØDPC2-CA	FLUE EXTENSION
ØDPC2-SFC	CEILING SUPPORT W/COUPLER
DPC2-URES	WALL SUPPORT
BRACES & FIRESTOPS	
ØDPC2-AARS	ADJUSTABLE INSULATED ATTIC INSULATION SHIELD
ØDPC2-WTI	INSULATED WALL THIMBLE
DPC2-XRSU	UNIVERSAL ROOF BRACE
DPC2-AWBU	UNIVERSAL WALL BAND

# 4

## REPLACEMENT PARTS



VENTED FLASHING (STORM COLLAR INCLUDED)	
ØDPC2-F7	ADJUSTABLE ROOF FLASHING 1/12 -7/12
ØDPC2-F12	ADJUSTABLE ROOF FLASHING 8/12 -12/12
ØDPC2-SC	STORM COLLAR
OTHERS	
ØDPC2-VC	RAIN CAP
ØDPC2-DVL	ASHT DECORATIVE COLLAR, SINGLE-WALL STOVE PIPE
INSTALLATION KITS	
ØDPC2-WSK	WALL SUPPORT KIT (INCLUDES: 1 OF EACH ØDPC2-TCI, ØDPC2-WTI, ØDPC2-T, ØDPC2-CA, ØDPC2-DVL, DPC2-AWBU, ØDPC2-URES, ØDPC2-VC)
ØDPC2-IK	INTERIOR KIT (INCLUDES: 1 OF EACH ØDPC2-SFC, ØDPC2-ARS, ØDPC2-VC)

To order a replacement part, please reach out to your nearest dealer or to 1-833-DuraVent; [www.DuraVentRetail.com](http://www.DuraVentRetail.com)



## DuraVent Limited Lifetime Warranty

DuraVent, Inc. ("DuraVent") provides this limited lifetime warranty for all of its products with the exception of Ventinox® (lifetime), and PolyPro® (ten years). Subject to the limitations set forth below, DuraVent warrants that its products will be free from defects in material or manufacturing, if properly installed, maintained and used. DuraVent products are fully warranted if installed only by a professional installer. This Warranty is transferable from the original homeowner to the buyer of the home. This warranty does not cover normal wear and tear, smoke damage or damage caused by chimney fires, acts of God, or any product that was: (1) purchased other than from an authorized DuraVent dealer, retailer or distributor; (2) modified or altered; (3) improperly serviced, inspected or cleaned; or (4) subject to negligence or any use not in accordance with the installation instructions included with the product as determined by DuraVent. Installation instructions are available online at [www.duravent.com](http://www.duravent.com) under Support/Literature and through our Customer Service Department 800-835-4429 or [customerservice@duravent.com](mailto:customerservice@duravent.com). This limited lifetime warranty applies only to parts manufactured by DuraVent.

DuraVent provides the following warranties for its products: One Hundred Percent (100%) MSRP 15 years from the date of purchase, and Fifty Percent (50%) thereafter, except for the following limitations on: all Termination Caps and DuraBlack® are warranted at One Hundred Percent (100%) for five years.

All warranty obligations of DuraVent shall be limited to repair or replacement of the defective product pursuant to the terms and conditions applicable to each product line. These remedies shall constitute DuraVent's sole obligation and sole remedy under this warranty. This warranty provides no cash surrender value. The terms and conditions of this warranty may not be modified, altered or waived by any action, inaction or representation, whether oral or in writing, except upon the express, written authority of an executive officer of DuraVent.

Corn, bio-fuels, driftwood or other wood containing salt, preservative-treated lumber, plastic and household trash or garbage, or wood pellets containing such materials must not be burned in the appliance or fireplace. In case of a chimney fire, the chimney must be inspected and approved by a certified Chimney Sweep before reuse. After each annual inspection, maintenance, and cleaning, the certified Chimney Sweep must fill out and date the appropriate section of the warranty card provided with the chimney liner.

LIMITATIONS ON INTERNET SALES: Notwithstanding any other terms or conditions of this Limited Lifetime Warranty, DuraVent provides no warranty for the following specific products if such products are not installed by a qualified professional installer: DuraTech®, DuraTech® DTC, DuraPlus HTC®, DuraTech® Premium, DuraChimney® II, DuraPlus Canada 2, PelletVent Pro®, DirectVent Pro®,

FasNSeal®, FasNSeal® W2, FasNSeal® Flex, and PolyPro®, and DuraVent's relining products including DuraLiner®, DuraFlex® (SW, Pro, 316, 304), and Ventinox®. For purposes of this warranty, a trained professional installer is defined as one of the following: licensed contractors with prior chimney installation experience, CSIA Certified Chimney Sweeps, NFI Certified Specialists, or WETT Certified Professionals.

DuraVent must be notified and given the opportunity to inspect defective product prior to replacement under the terms of this limited lifetime warranty. All warranty claims must be submitted with proof of purchase. Labor and installation costs are not covered under this warranty. To obtain warranty service contact: DuraVent Warranty Service, 877 Cotting Ct., Vacaville CA 95688, or call 800-835-4429.

WHERE LAWFUL, DURAVENT DISCLAIMS ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL DURAVENT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES OR DIRECT OR INDIRECT LOSS OF ANY KIND, INCLUDING BUT NOT LIMITED TO PROPERTY DAMAGE AND PERSONAL INJURY. DURAVENT'S ENTIRE LIABILITY IS LIMITED TO THE PURCHASE PRICE OF THIS PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

For the most up-to-date installation instructions, see [www.duravent.com](http://www.duravent.com)

REV 05.03.18

# DuraVent®

## WARRANTY

This product has a limited lifetime warranty. Please read the warranty to be familiar with its coverage.

Retain this manual. File it with your other documents for future reference.

## PRODUCT REFERENCE INFORMATION

Please contact DuraVent for the phone number of your nearest DuraVent dealer who will answer your questions or address your concerns.

Normally, all parts should be ordered through your DuraVent distributor or dealer. Parts will be shipped at prevailing prices at time of order.

When ordering repair parts, always give the following information:

1. The model number of the vent system.
2. The part number.
3. The description of the part.
4. The quantity required.
5. The installation date of the chimney system.

If you encounter any problems or have any questions concerning the installation or application of this system, please contact your dealer.

### DuraVent

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Visit us at [www.DuraVentRetail.com](http://www.DuraVentRetail.com)

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DuraVent reserves the right to make changes at any time, without notice,  
in design, materials, specifications, prices.  
Consult your local distributor for chimney system code information.