

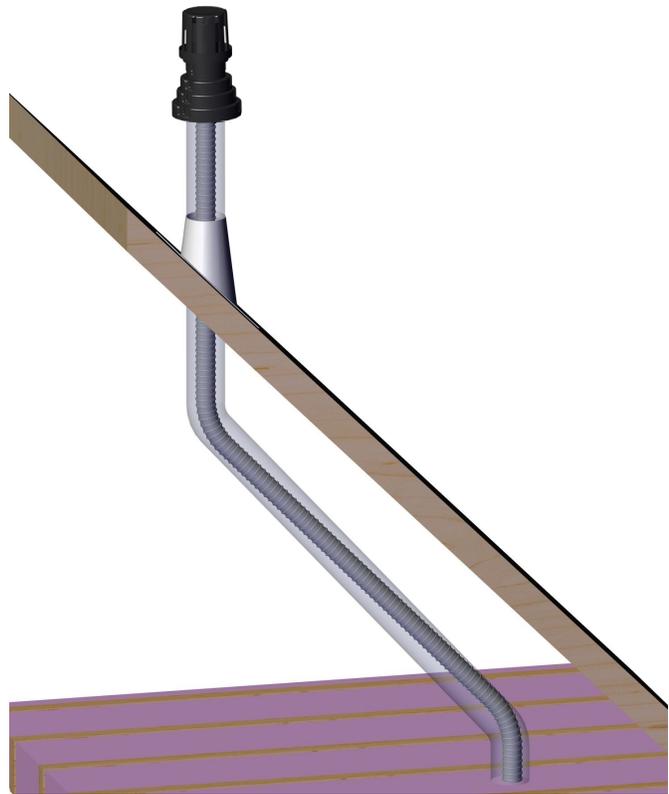


***ubbink***

## INSTALLATION INSTRUCTIONS

### Ubbink Rolux® Condensing Flexible Vent System

For Condensing Appliances and 4 to 6 in. B-Vent Only



ULC S636 Certified  
Standard for Type BH Gas Venting Systems  
Class II C (110°C/230°F)

10000072619 19/08 Version 5.0

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**READ AND SAVE THESE INSTRUCTIONS**

# 1. Welcome

## To The Installer

- Read all instructions contained in this document before installing the Rolux® Condensing Flexible Vent System.
- Check the manufacturer's installation instructions or certificate of compliance to confirm that the Ubbink Rolux® Condensing Flexible Vent system is approved for your appliance.
- The appliance installation and operation manual takes precedence over this document. Always refer to the appliance installation instructions before proceeding with the installation of this product.
- The installation must conform to the appliance installation and operation manual that is shipped with the unit, local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54.
- A trained and qualified professional must confirm that all connections are sealed properly and do not contain leaks.
- When installation is complete, give all manuals related to the venting installation (including this manual and the appliance installation and operation manual) directly to the consumer. The manuals should be stored in a readily accessible location for future reference.

- This manual is intended for a trained and qualified professional and is designed for licensed installers who should have skills such as:
  - Gas Supply sizing
  - Connecting gas lines, water lines, valves, and electricity
  - Knowledge of applicable national, state, and local codes
  - Installing venting through a wall or roof

## To The Consumer

- Keep this document for future reference.
- Be sure your Ubbink Rolux® Condensing Flexible Vent System is installed by a trained and qualified professional.

## Contact

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www.ubbink.com

# 2. Safety

## Safety Symbols

This manual contains the following important safety symbols. Always read and obey all safety messages.



Safety alert symbol. Alerts you to potential hazards that can kill or hurt you and others.



Indicates a potentially hazardous situation which, if not avoided, could result in personal injury or death.



Indicates an imminently hazardous situation which, if not avoided, will result in personal injury or death.



Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also be used to alert against unsafe practices.

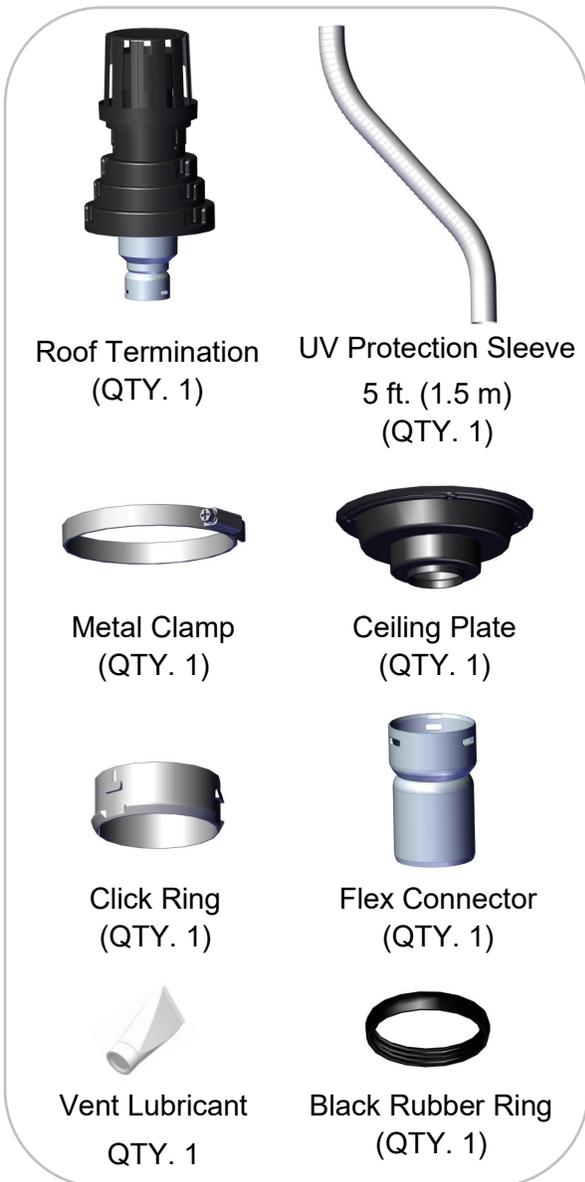
# 3. About the Venting System

## 3.1 Vent System Components

### Items Included

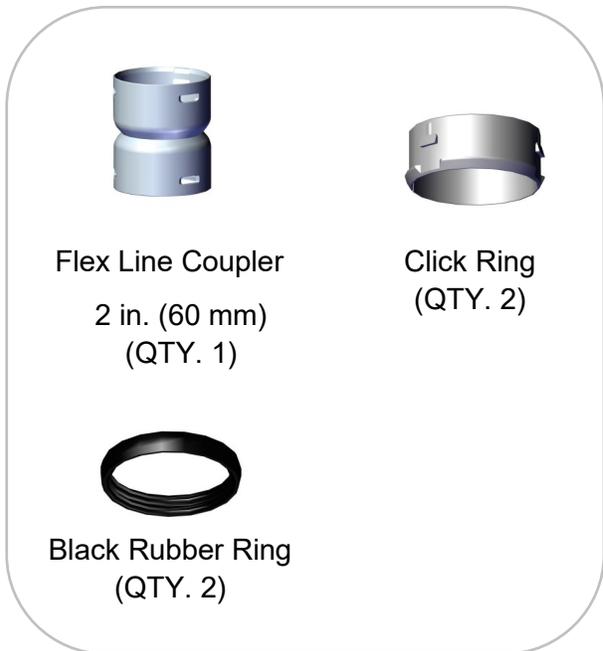
#### Flex Termination Kit

Part #: 184470NPP



#### Flex Connector

Part #: 222720NPP

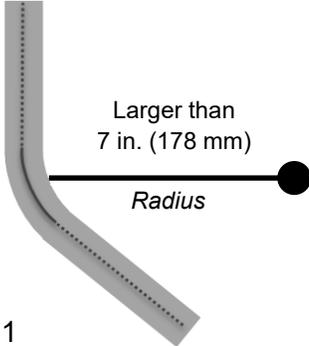
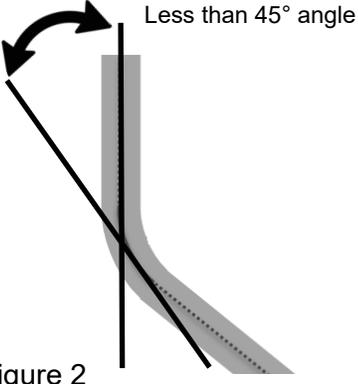


#### Flex Roll

Part #: 222721NPP



## 3.2 Specifications

Vent Options	Room Air (Non-Direct Vent) applications ONLY. <i>NOT approved for outside combustion air (Direct Vent)</i>
Diameter	2 in. (60 mm)
Venting Material	Polypropylene (PP) <i>DO NOT combine vent components from different manufacturers.</i>
Maximum Equivalent Vent Length	50 ft. (15 m)
Termination	Vertical only. <i>DO NOT run or terminate flex line in an angle under 45° as condensate will not drain properly.</i>
Clearances	Zero (0) clearance to combustible materials.
Installation Temperatures	Do not install while ambient temperatures are below 41°F (5°C). In colder weather, pre-warm flex venting prior to installation.
Bending Conditions	<ul style="list-style-type: none"> <li>• Bend radius: Must be larger than 7 in. (178 mm) (Figure 1)</li> <li>• Angle: Do not install in angle over 45° to vertical (Figure 2)</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Figure 1</p> </div> <div style="text-align: center;">  <p>Figure 2</p> </div> </div>

## 3.3 Installation Requirements

- Installation and service of Ubbink Rolux® Condensing Flexible Vent Systems must be performed by a qualified installer, service agency, or the gas supplier.
- Ubbink Rolux® PP flex liner must be enclosed and can be used in conjunction with rigid PP pipe to connect to an appliance.
- Do not expose venting to UV light/sunlight. Flex vent must be enclosed for installations with UV light exposure. Use rigid pipe for any exposed regions of the vent system.
- Do not mix with other materials such as PVC DWV material.
- The vent system must not pass through rated fire separation without the use of additional fire stoppers.  
The firestoppers can be sourced from third parties, as they must be suitable for both the vent system and building materials used.
- Do not combine the vent system with the venting of appliances such as furnaces, boilers, etc.
- Do not use Ubbink Rolux® PP flex liner and/or Ubbink Rolux® Condensing Vent Systems with other vent products.
- Ubbink Rolux® Condensing Vent Systems must be used throughout the entire vent system. Do not use vent components from other vent manufacturers.
- Ubbink Rolux® Flexible Vent Systems can be installed at zero clearance to combustible materials.

- Masonry chimneys or existing B-vents can be used as passageways for Ubbink Rolux® Flexible Vent System provided that no other appliances are or will be connected.
- Appliances can be used immediately after a Ubbink Rolux® Flexible Vent System is completely installed.
- Unless approved by the appliance manufacturer, only one appliance may be connected to the Ubbink Rolux® Condensing Flexible Vent System.

### Maximum Vent Length

- Vent length must not exceed 50 ft (15 m).

### Inspection

- Before installation, inspect each vent component for damage and correct seal placement. Do not attempt to fix or install any damaged vent components.

### Installation Temperatures

- Ubbink Rolux® PP flex liner must be handled carefully to prevent damage when being installed during low temperatures under 41°F (5°C). In colder weather, pre-warm flex prior to installation. When re-lining, insert flex from bottom - up, rather than top - down.

## Installation Requirements

### Minimum Radius

- The flexible liner must not be installed with a radius smaller than 7 in. (178 mm) (Figure 1). Note: The vent system should be inspected annually for signs of damage or condensate leaks. If the vent system appears damaged, the appliance must be turned off and the vent system replaced.

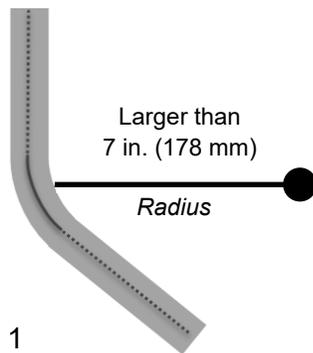


Figure 1

### Condensate

**⚠ WARNING** Do not install flex horizontally.

- Do not install the flex liner at an angle greater than 45 degrees. Do not install the flex liner horizontally, as this will cause condensate to not drain properly. Use rigid pipe in conjunction with flex liner for horizontal runs (Figure 2).

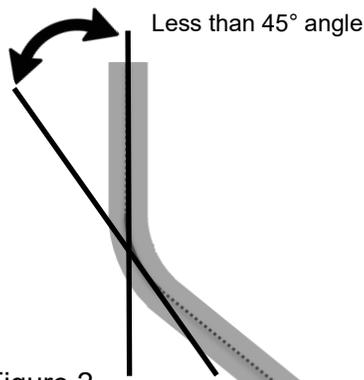


Figure 2

### Recommended vent/exhaust terminal position

- Refer to the appliance installation instructions and/or national and local codes such as ANSI Z223.1/NFPA 54 or CGA-B149, for the correct position of the vent and exhaust position. The appliance installation instructions take precedence over this document.
- Terminals should be positioned to avoid combustion entering into buildings or other flues or vents.

### Room Air

- For room air combustion requirements, reference the appliance installation and operation manual and ANSI Z 223.1/ NFPA 54 or CGA-B149.
- Room air only. Do not install as direct vent. Not approved for direct vent installations. Combustion air must be provided from the room.

# 4. Installation Instructions

## Before Installation

- Installation should be performed at temperatures over 41°F (5°C).
- The system is suitable for 4 to 6 in. B-Vent.

## Over roof

- Prepare existing B-Vent by removing the rain cap. Inspect the duct for integrity. Look for sharp edges and screws that can damage the vent system.
- Do not expose the vent system to sunlight for over 48 hours. **Do not install liner stored in or exposed to UV rays. UV light can rapidly deteriorate the integrity of the flex vent.**

## In installation area

- Cut B-Vent at max 2 in. under the ceiling. Deburr sharp edges.
- Extending flex liner (if applicable): When necessary, the flex liner can be extended in length using the flex liner coupler. This component can be used to either extend the standard length of the flex liner, or re-use the rest of the liner when not all length was applied.
- The Ubbink Flex Vent Line must run through the existing B-Vent. Remove debris from inside the pipe prior to assembly.

## WARNING

Improper installation of vent system and components, or failure to follow all installation instructions, can result in property damage or serious injury.

## WARNING

With the termination of the vent system, a bag with special Ubbink branded lubricant is supplied. That lubricant, or water, is the only approved lubricant for the lubrication of the (green) flue seals. Do not use fat/grease/soap or other substances as these can damage the seals, resulting in malfunctioning of the vent system.

## Vent Connections



Black Rubber Ring



Click Ring

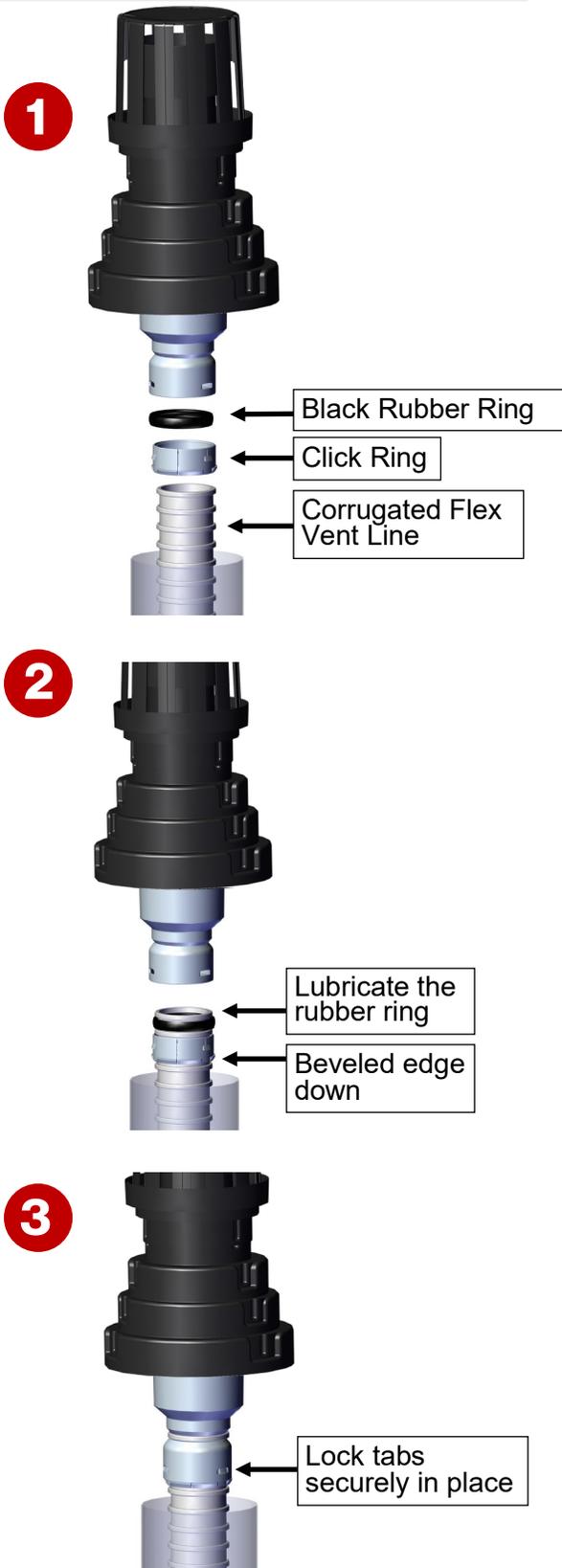


Corrugated Flex Vent Line



Flex Connector

## Termination Connection



## Flex to Flex Connection

When necessary, the flex line can be extended in length using the flex line coupler. **Do not** exceed the maximum vent length of 50 ft. described in these instructions or the appliance installation and operation manual.



Flex Line Coupler

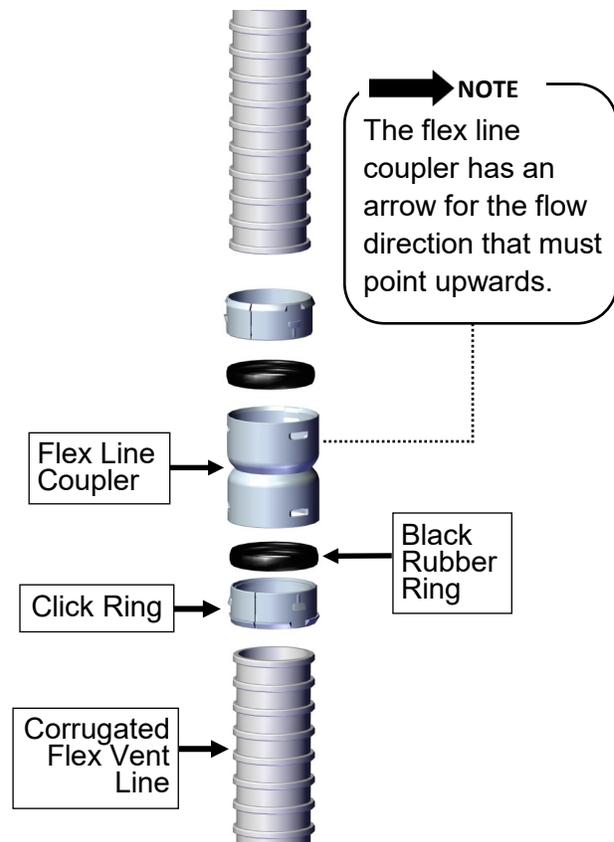


Click Ring (QTY. 2)



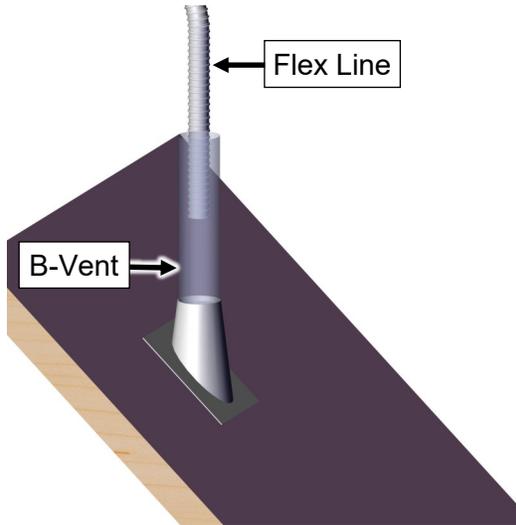
Black Rubber Ring (QTY. 2)

1. Place the click ring onto the end of one of the flex lines, leaving two ribs for the black rubber ring. Insert the black rubber ring onto the end of the line.
2. Lubricate the black rubber ring and connect it to the flex line coupler. Repeat these steps to the second flex line, as shown below.

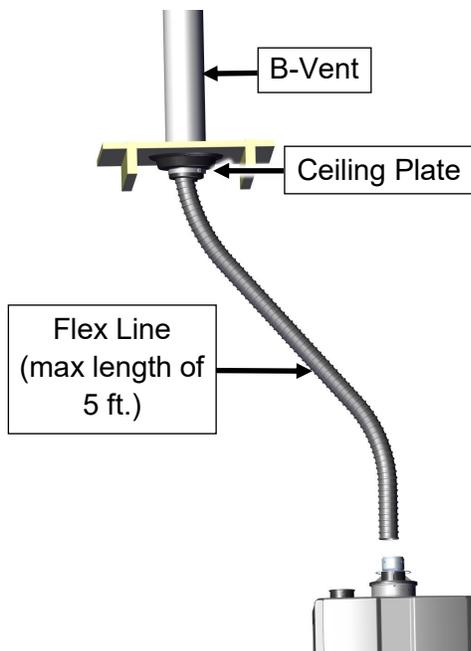


## Installing the Flex Line

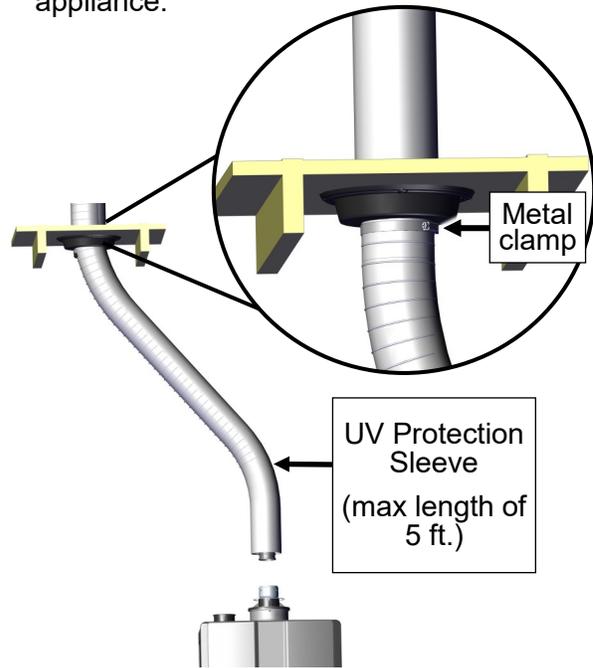
1. Lower the flex line down the chase of the B-Vent. If necessary, attach a small weight to the end of the flex line to help lower it down the B-Vent.



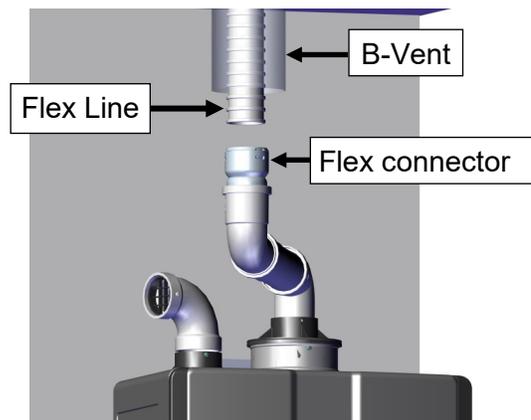
2. If you are installing the flex vent line to terminate directly to the appliance, follow the instructions below.



3. Attach the UV protection sleeve to the ceiling plate with the metal clamp (provided). Pull the UV protection sleeve over the flex vent to the vent connection at the appliance. Continue to the next section for instructions on connecting to the appliance.

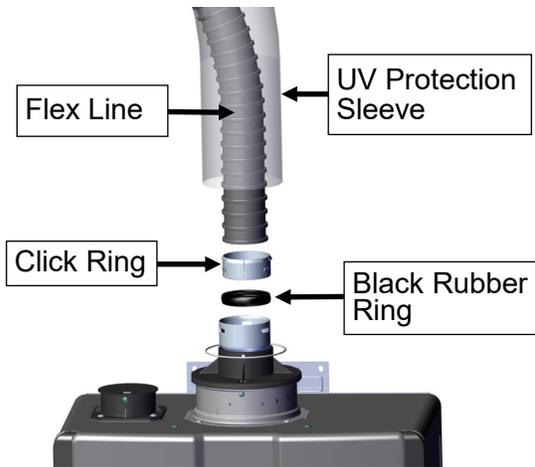


4. If you are installing the flex vent line to terminate with rigid pipe, slide the black finishing plate over the flex line when it exits the B-Vent to identify the correct cut position.
5. Cut the flex line flush with the downside of the black finishing plate. Continue to the next section for instructions on connecting to the appliance.

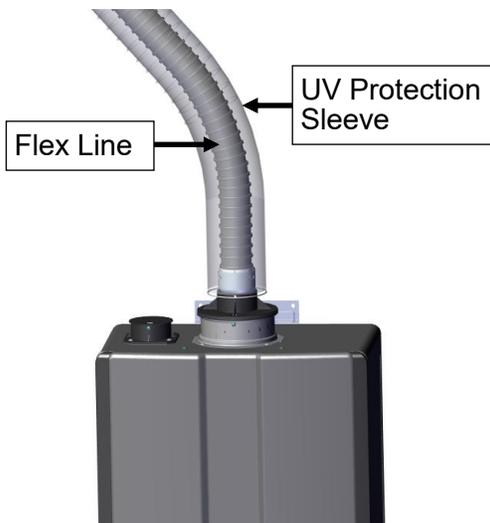


## Connection to the Appliance

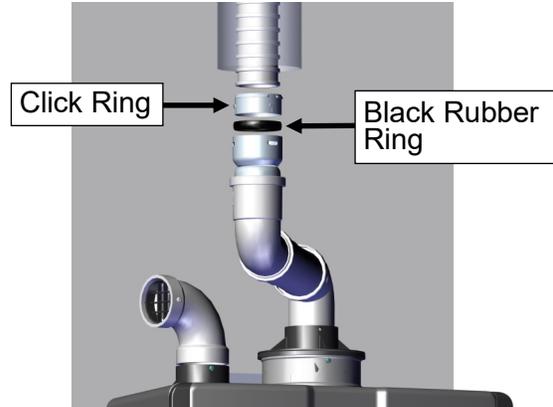
1. If you are installing the flex line directly to the appliance, cut the flex line to the correct size to terminate at the appliance. The extension must not be longer than 5 ft. Place the click ring at the termination end of the line, leaving two ribs for the joint placement.
2. Install the black rubber ring, covering two ribs of the flex line. Lubricate the ring with the enclosed lubricant.



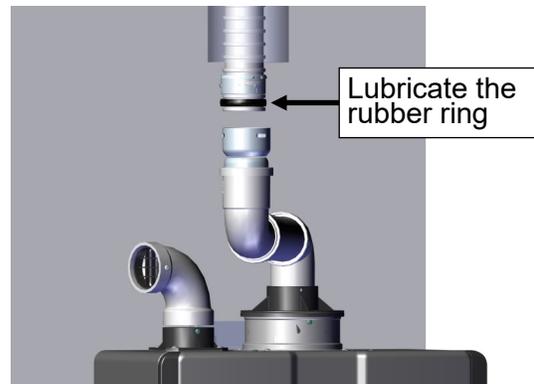
3. Insert the flex line into the flex line coupler, locking the tabs securely in place. Pull the UV protection sleeve down over the vent connection at the top of the appliance.



4. If you are installing the flex line with rigid pipe, place the click ring at the termination end of the flex line, leaving two ribs for the joint placement.

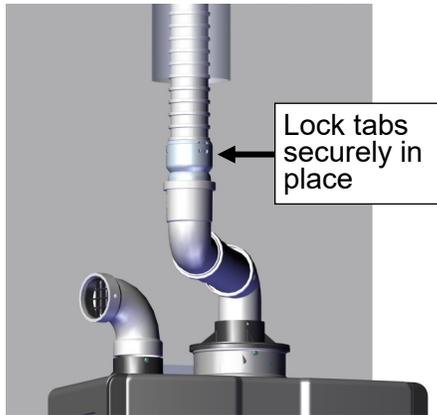


5. Install the black rubber ring, covering two ribs of the flex line. Lubricate the ring with the enclosed lubricant.



6. Insert the flexible line into the flex connector. Note that the flex connector has an indication for the flow direction that must point upwards.

7. Refer to the Ubbink Rolux® Twinpipe Vent System Installation Instructions for detailed on instructions on connecting rigid pipe to the appliance.



## Final Checklist

- Reference the appliance's installation and operation manual for proper installation of the appliance.
- Clearances from the appliance unit are met.
- Clearances from the exhaust termination(s) and the combustion air termination(s) are met.
- Ensure you have used the correct venting products and that you have completely followed the venting manufacturer's installation instructions and the installation instructions in this document.
- Verify that the vent system does not exceed the maximum equivalent length allowed.
- Explain to the customer the importance of not blocking the vent termination or air intake.
- Explain to the customer the operation of the appliance, safety guidelines, maintenance, and warranty.
- The installation must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, or the *Natural Gas and Propane Installation Code, CSA B149.1*.
- Verify that the appropriate amount of combustion air has been provided.
- Leave this document taped to the appliance or give the entire document directly to the customer.

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