ubbink

Installation instructions \ Instrucciones de instalación \ Instructions pour l'installation

ubbink

CONDENSING

For condensing appliances only

T205F(120*C)

US p. 1/16

Rolux® Condensing Vent System
The installation instructions should be kept with the appliance for maintenance.

ES p. 17/32

Sistema de ventilación condensaçion Rolux®
Las instrucciones de instalación deben guardarse con el aparato para su mantenimiento.

F p. 33/48

Rolux® Vent system Condensation
Les instructions pour l'installation doivent être conservées avec l'appareil pour maintenance.

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for use with ubbink CONDENSING appliances ONLY

art.nr. XXXXXX 06/09

US

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Introduction

The Ubbink Rolux® condensing concentric vent system is considered part of the direct vent tankless water heater.

The Ubbink Rolux® condensing concentric vent system was tested and approved with the appliance by a third party testing agency. Check the manufacturer's installation instructions or certificate of compliance to confirm that the Ubbink Rolux® condensing concentric vent system is approved for your direct vent tankless water heater.

The tankless water heater installation instructions take precedence over this document. Always refer to the appliance installation instructions before proceeding with the installation of this product.

⚠ *WARNING*

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

Installation Requirements

Installation and service of Ubbink Rolux® condensing concentric vent systems must be performed by a qualified installer, service agency or the gas supplier.

Approvals/codes

The installation must conform with local codes or, in the absense of local codes, the National Fuel Gas Code, ANSI Z223.1/NFPA 54 and/or CSA B149.1, Natural Gas and Propane Installation Code.
The maximum vent length, as stated in the water heater installation instructions and these instructions, should never be exceeded.

Do not use 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 when using the Ubbink Rolux® condensing vent system.
Unless approved by the appliance manufacturer, do not connect this Ubbink concentric vent into a common vent system.

Inspection

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

Condensate

- Slope horizontal venting 3/4 inch per foot either toward the appliance with a condensate collector or toward the exhaust terminal *(Ubbink prefers pitching the vent 3/4 inch per foot towards the appliance with a condensate collector).*

1. 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 repaired.

2. The horizontal termination may not be located above a public walkway, driveway or area where condensate or vapor could create nuisance or hazard.

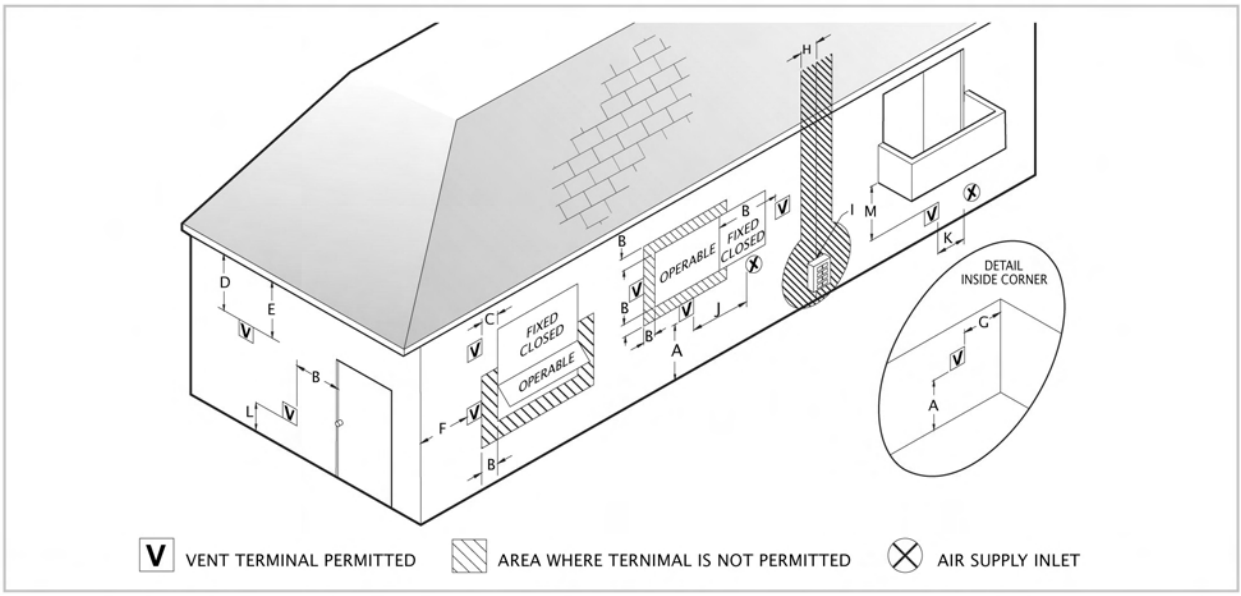
3. Ice can develop in regions of cold climate. A 3/4 inch per foot pitch to the appliance with the use of the condensate collector is recommended *(Ubbink can not be held liable for personal injury or property damage due to ice formation).*

WARNING

The Ubbink Rolux condensing vent system was tested and approved with the appliance for a maximum flue gas temperature of 205F (120*C) Do NOT use this system on any other appliance.

Recommended vent/air intake terminal position

Terminals should be so positioned as to avoid products of combustion entering openings into buildings or other flues or vents. The Ubbink Rolux White Vent extension material is primarily designed for indoor use. If used outdoors the material should be protected for UV-radiation (direct sunlight).



⚠ CAUTION

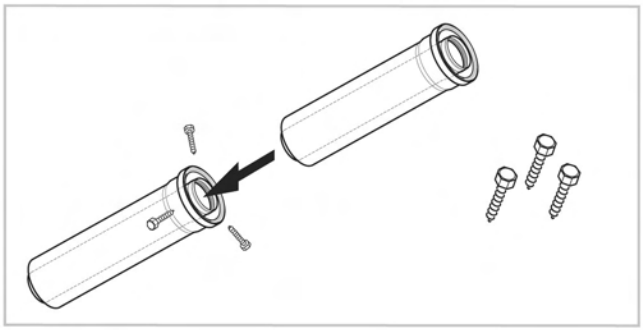
Maintain 12" of clearance above the highest anticipated snow level or grade or whichever is greater. Please refer to your local codes for the snow level in your area.

REF	DESCRIPTION	U.S. INSTALLATIONS	CANADIAN INSTALLATIONS
A	Clearance above grade, veranda, porch, deck, or balcony	1 foot	1 foot (0,30 m)
B	Clearance to window or door that may be opened	1 foot	3 feet (0,91 m)
C	Clearance to permanently closed window	*	*
D	Vertical clearance to ventilated soffit, eaves or overhang	*	*
E	Clearance to unventilated soffit, eaves, or overhang	*	*
F	Clearance to outside corner	*	*
G	Clearance to inside corner	*	*
H	Clearance to each side of center line extended above meter/regulator assembly	*	3 feet (0,91 m) within a height 15 feet (4,57 m) above the meter/regulator assembly
I	Clearance to service regulator vent outlet	*	3 feet (0,91 m)
J	Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance	1 foot	3 feet (0,91 m)
K	Clearance to a forced air inlet into a building	3 feet above if within 10 feet horizontally	6 feet (1,83 m)
L	Clearance above paved sidewalk or paved driveway located onpublic property	*	7 feet (2,13 m)
M	Clearance under deck, veranda, porch, or balcony (open on 3 sides)	*	1 foot (0,30 m)

* For clearances not specified in ANSI Z223.1 / NFPA 54 or CGA-B149, please use clearances in accordance with local installation codes and the requirements of the gas supplier.

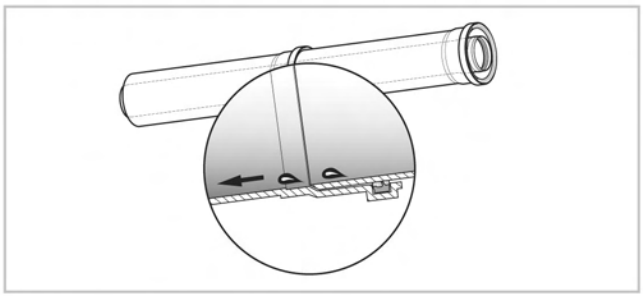
General Installation Instructions

Joint connection



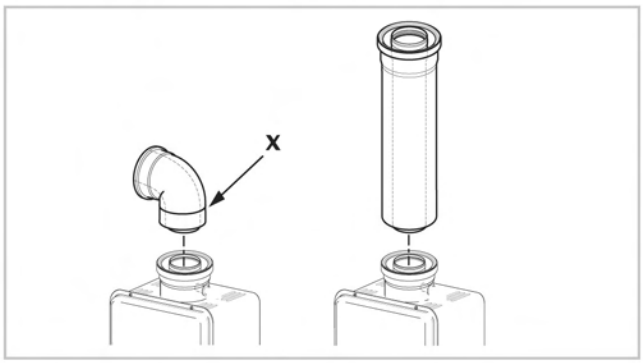
Vent connections must be firmly pressed together so that the gaskets form an airtight seal. To ensure optimum joint connection, it is recommended to secure with three #8x1/2" self tapping screws. Secure the vent to the wall or ceiling with pipe clamps or perforated hanger iron. Vent connections extending beyond the outside of a building or structure should be enclosed to protect seals and gaskets.

Coping with condensation



Horizontal vent lengths must pitch a minimum 3/4"/ft. (3* or 55mm/m) for proper dispose of condensate

Appliance connection



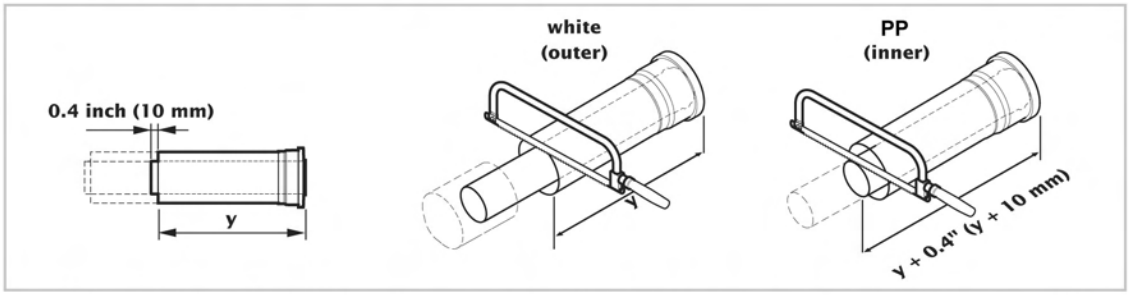
insert the male end of a vent component into the female appliance top.

> ***NOTE***
>
> *The molded line on the male end of the elbow (x) indicates the proper insertion depth into the appliance top.*

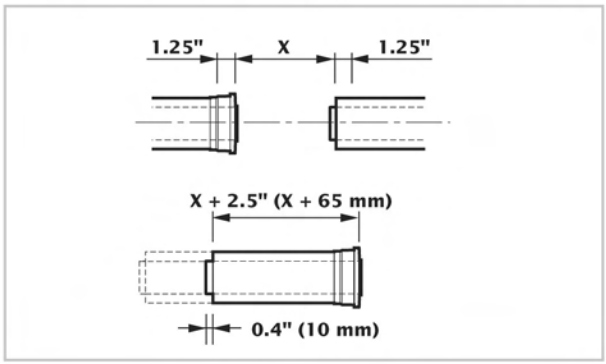
Warning

*With the condensing vent system a lubricant is supplied with the package Use **ONLY** this lubricant to ease of installation of the components by lubrifying the seals. Do **NOT** use any other oil or grease as this might influence the seals and cause leakage of flue gasses or condensate*

Shortening of vent extensions



The PP inside pipe should always extend 0.4" (10 mm) beyond the white outside tside pipe on the male end of the vent extension.
Always cut the male end of the vent pipe extension. Do not attempt to cut the female end.



Pipes overlap by 1.25" (37 mm). Therefore when cutting to size, add 2 x 1.25 = 2.5" (65 mm) to the extension pipe length **(X)** needed for installation.

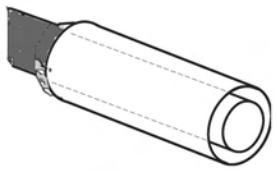
Deburr the sharp edges, other wise the gaskets might get damaged, which can result in the system no longer being air tight.

⚠ *WARNING*

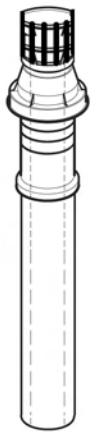
Improper installation of vent system and components, or failure to follow all installation instructions, can result in property damage or serious injury.

Parts & Dimensions

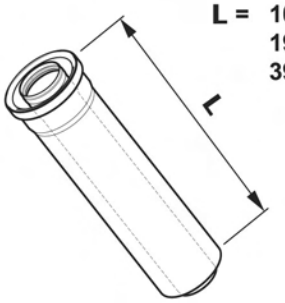
For all Rolux® Condensing vent system components



1 condensing wall terminal

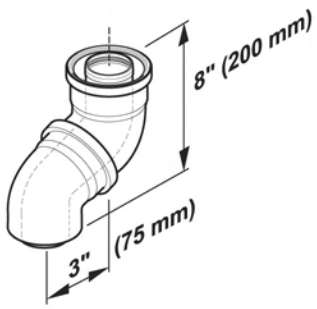


2 condensing vertical discharge

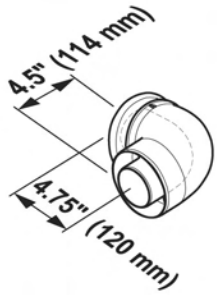


L = 10" (250 mm)
19.5" (500 mm)
39" (1000 mm)

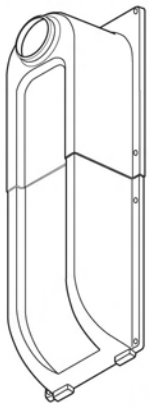
3 condensing vent extension



4 condensing 45° vent pipe elbow (sold in pairs only)



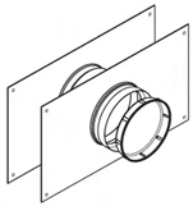
5 condensing 90° vent pipe elbow



6 condensing vent system kit outdoor extension cover

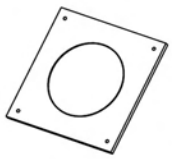
7 **rubber wall plate**

8 **vent pipe clamp**

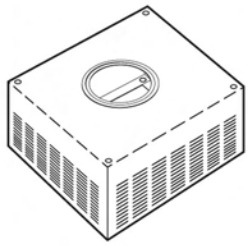


9 **wall-thimble**

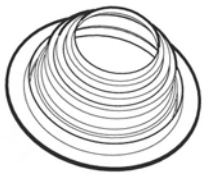
10 **flat roof flashing**



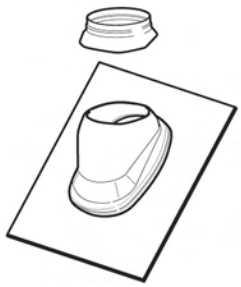
11 **pass through plate**



12 **bugguard**



13 **flashing for metal roof**

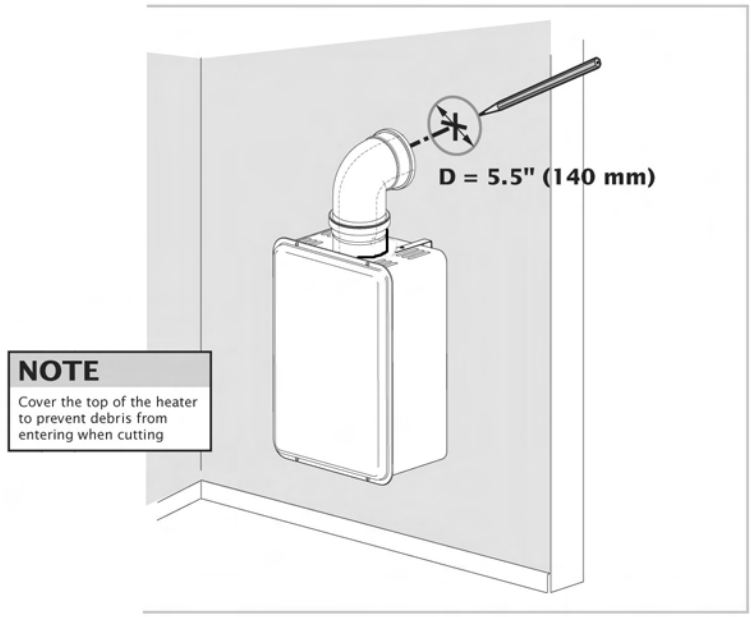


14 **pitch roof flashing**

Installation Instructions

Rolux® Horizontal Condensing Discharge Vent System

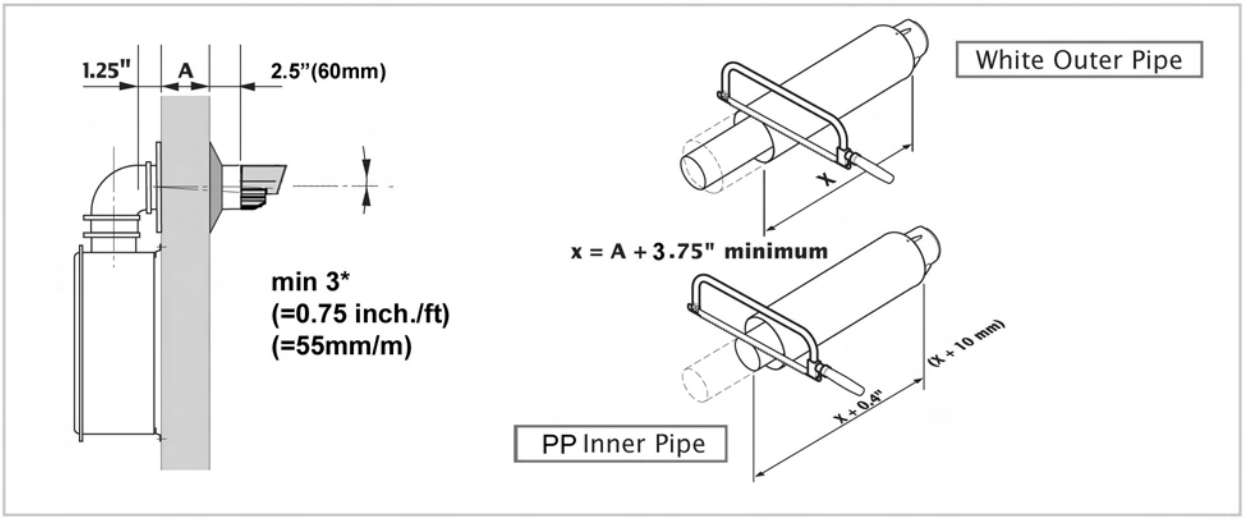
1



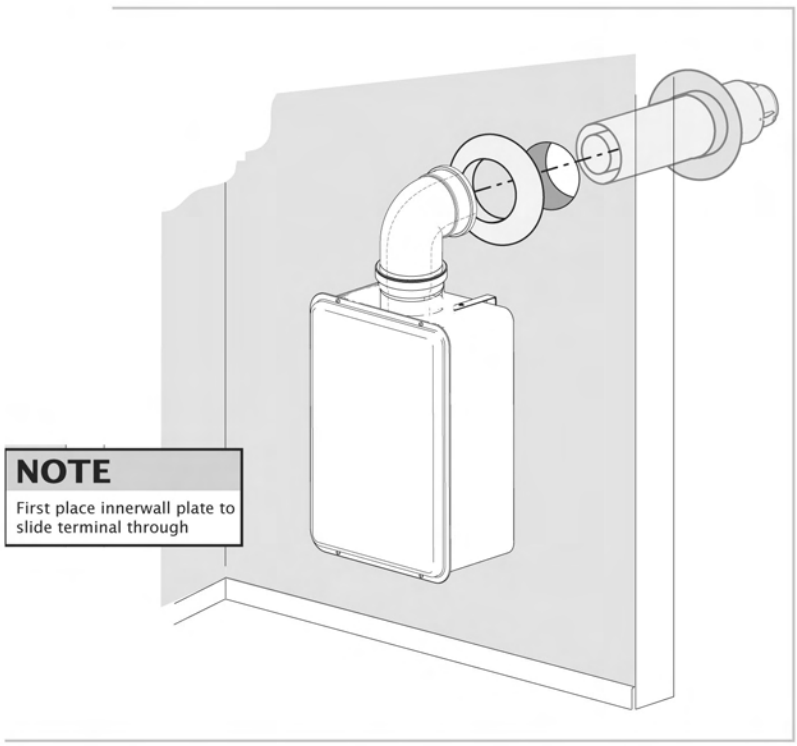
Place the 90˚ Vent Pipe Elbow on the appliance.
- Mark position on wall
- Or use template provided with water heater
- Cut hole, covering the top of the water heater to prevent debris from entering

2

Measure dimension to fit



3 Final installation of the vent system



After cutting the appropriate length, slide the Horizontal Termination through the hole in the wall. Position the first rubber wall plate around the male end of the termination.

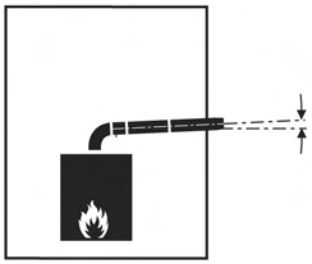
Slide the male end of the termination into the 90° Vent Pipe Elbow.

Fill the gaps between the wall and the vent pipe penetration with a weather proof Sealant. Finally, position the second rubber wall plate around the vent pipe, between The end of the termination and the exterior wall.

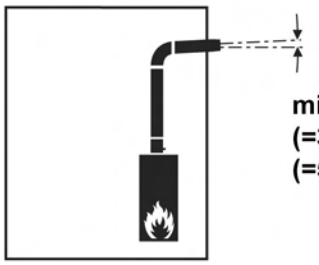
Warning

*With the condensing vent system a lubricant is supplied with the package Use **ONLY** this lubricant to ease of installation of the components by lubrifying the seals. Do **NOT** use any other oil or grease as this might influence the seals and cause leakage of flue gasses or condensate*

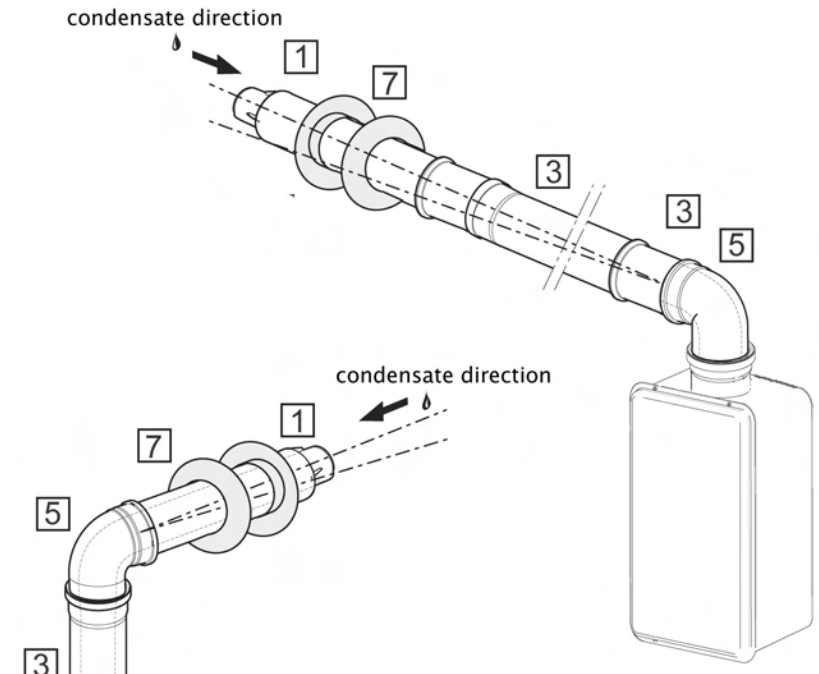
Horizontal Vent System
Installation examples

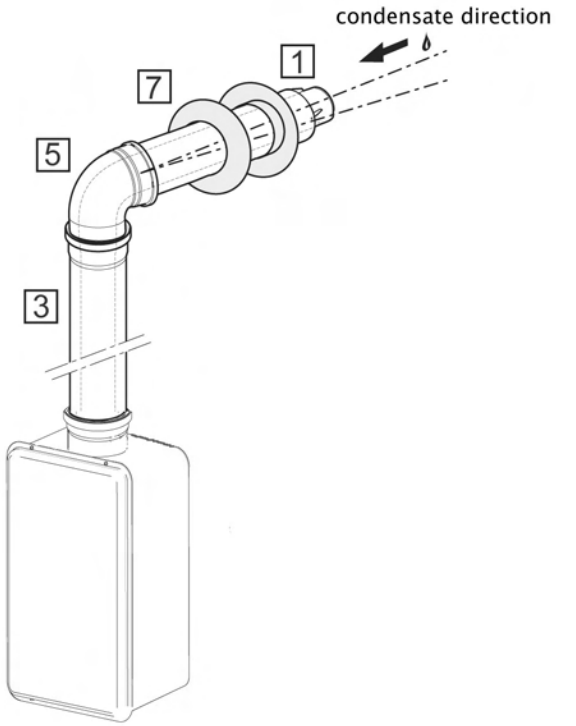


min. 3*
(=3/4 inch/ft)
(=55mm/m)



min. 3*
(=3/4 inch/ft)
(=55mm/m)



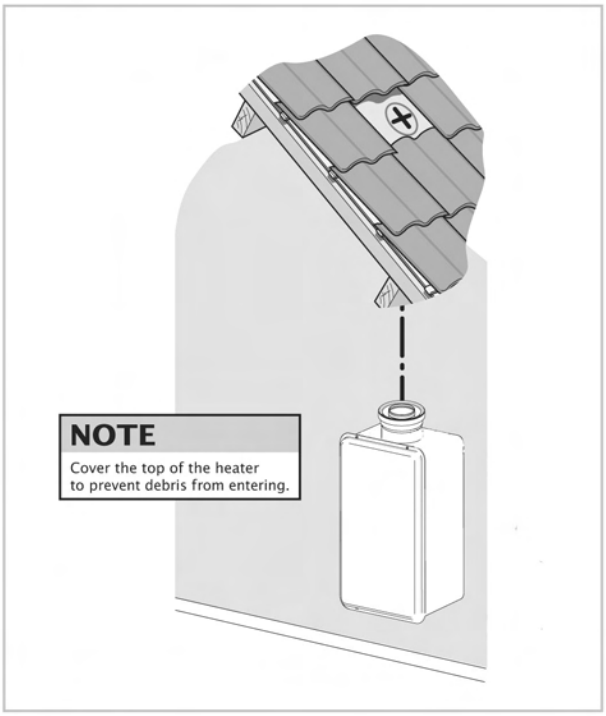


Installation Instructions

Rolux®CondensingVertical Discharge Vent System

1

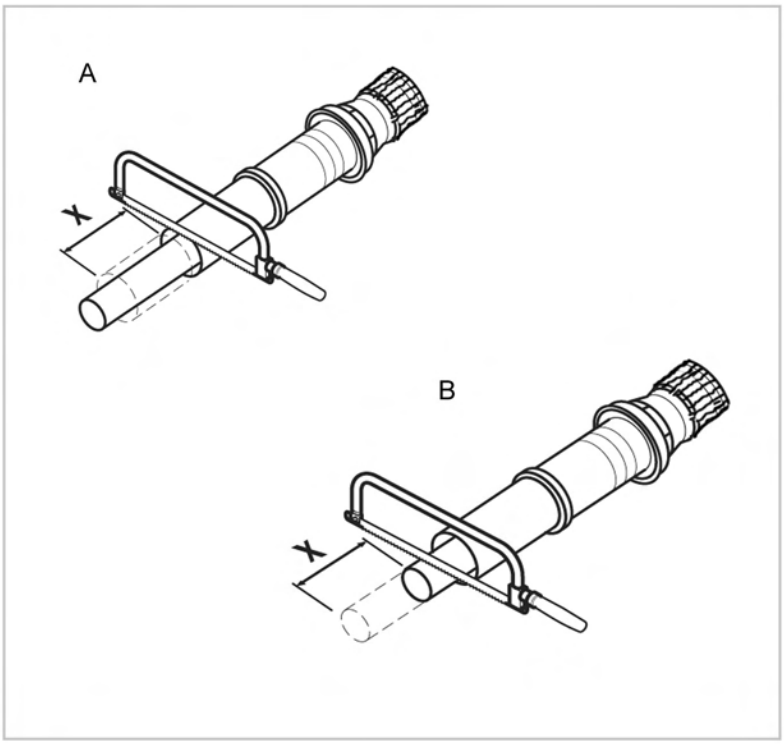
Identify the vent location



Determine the location where the roof discharge terminal will be installed. Taking into account the angle of the roof, cut the hole with a dimension that allows the vertical discharge roof terminal to be installed (6"x6" hole for flat roof, 9"x6" hole for 12/12 pitch, or 12"x6" hole for 16/12 pitch).

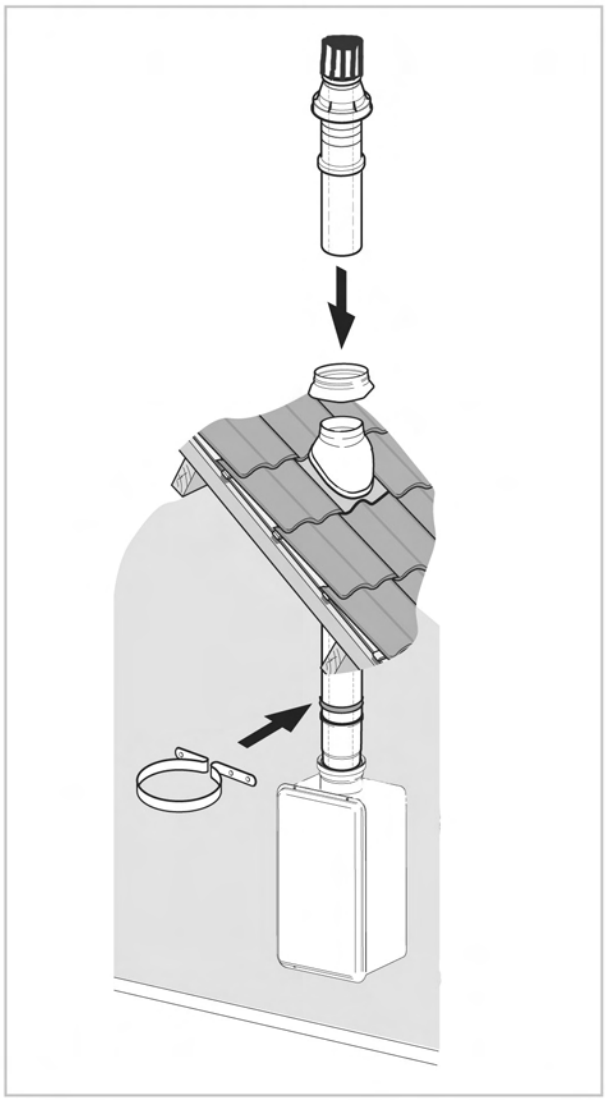
2

Cut to fit



The terminal can be shortened by cutting both the inside and outside pipes with the same length **X**.

3 Mounting the vent system



Vent connections must be firmly pressed together so that the gaskets form an airtight seal. Secure the system with the supplied vent pipe clamp or perforated hanger iron.

Warning

*With the condensing vent system a lubricant is supplied with the package Use **ONLY** this lubricant to ease of installation of the components by lubrifying the seals. Do **NOT** use any other oil or grease as this might influence the seals and cause leakage of flue gasses or condensate*

VerticalCondensingVent System
Installation examples