



# BIASI RIVA PLASTIC VENTING REFERENCE

The Biasi Riva Plus boiler is capable of being vented using plastic products. **THE MAXIMUM ALLOWABLE LENGTH OF THE VENT KIT IS 100' TOTAL FOR INTAKE AND EXHAUST PIPING COMBINED.** To use plastic venting you will need to purchase the following:

1. Plastic Vent Adapter
2. At least 8' of high temperature plastic vent pipe
3. A termination

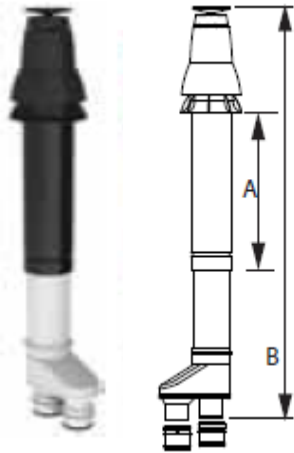
The plastic vent adapter will allow you to connect 3" CPVC/PVC to the boiler for intake air and exhaust piping. The first 8' of the exhaust pipe must be constructed of a high temperature plastic pipe. CPVC and PolyPro are both acceptable as high temperature plastic pipe. After the initial 8', the vent pipe can be switched back to solid core PVC. QHT recommends that you use PolyPro for as much of the venting as possible. In this guide you will find a listing of the PolyPro products that we offer for use with our boilers. QHT offers two terminations for the Riva Plus when plastic venting is being used. One vent for sidewall applications and one for rooftop termination. If the installer would like to construct their own termination from 3" PVC, it is allowed. They should refer to the Riva Plus PVC vent addendum for installation requirements.

PLASTIC VENT ADAPTER		Part # - RI-99909120
		<p>This adapter is used to connect plastic vent pipe material to the Riva Plus boiler. Supplied in the kit is the adapter fitting and necessary gaskets as well as 2 - 3" PolyPro to 3" PVC adapters.</p> <p><b>Requirements: The first 8' of vent pipe must be rated for temperatures of 220 degrees Fahrenheit. Acceptable high temperature materials are CPVC and Polypropylene.</b></p> <p><b>Kit parts:</b></p> <ul style="list-style-type: none"> <li>• Appliance adapter</li> <li>• 2 - 3" PVC adapters</li> <li>• Gaskets and hardware</li> </ul> <p><b>Kit Length - 1 feet equivalent</b>  <b>Max Length - 100 feet equivalent (Intake and Exhaust)</b></p>
PLASTIC VENTING RESTRICTOR		
1 to 99 (ft)	No restrictor used	

PLASTIC VENT TERMINATIONS	
<p style="text-align: center;"><b><u>Concentric Sidewall Termination</u></b></p> 	<p style="text-align: left;">Part # RI-3PPS-HK</p> <p>This termination is to be used in conjunction with the Plastic Vent Adapter on the Riva Plus boiler only. It allows for termination of the boiler through one hole in the side of the building. It is able to accept either 80 mm polypropylene or 3" PVC pipe. The diameter of the termination is 5" and the maximum length "A" is 17".</p> <p><b>Kit parts:</b></p> <ul style="list-style-type: none"> <li>• Sidewall termination</li> <li>• 2 - 3" PVC adapters</li> <li>• Gaskets and hardware</li> </ul> <p><b>Kit Length - 5 feet equivalent</b></p>

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## Concentric Roof Termination



Part # **RI 3PPS-VK**

This termination is to be used in conjunction with the Plastic Vent Adapter on the Riva Plus boiler only. It allows for termination of the boiler through one hole in the roof of the building. It is able to accept either 80 mm polypropylene or 3" PVC pipe. The diameter of the termination is 5", length "A" is 23", and length "B" is 53 1/4".

Kit parts:

- Roof termination
- 2 - 3" PVC adapters
- Gaskets and hardware

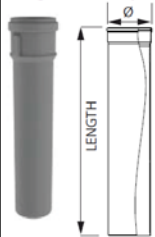
Kit Length - 9 feet equivalent

Roof Flashing for vertical termination  
Part # **RI-3PPS-F12**  
PolyPro adjustable angle roof flashing

Part # **RI-3PPS-FF**  
PolyPro flat roof flashing

## PolyPro High Temperature Vent Pipe

### Single-Wall Pipe



### PolyPro Straight Pipe

72": Part # **RI-3PPS-72**  
(Equivalent length - 6')  
36": Part # **RI-3PPS-36**  
(Equivalent length - 3')  
12": Part # **RI-3PPS-12**  
(Equivalent length - 1')

Use to vent condensing appliances, Listed to ULC-S636. Can be used as an alternative to CPVC. Available in 12", 36", and 72" lengths and can be cut to length.

### Adjustable Pipe

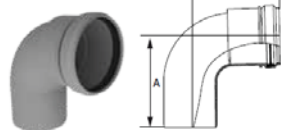


### PolyPro Adjustable Pipe

Part # **RI-3PPS-AVL**  
(Equivalent length - .75')

Use to add length to straight length of PolyPro pipe. Slips over standard single-wall pipe length.

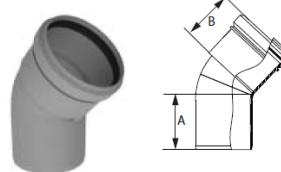
### 90° Elbow



### PolyPro Elbows

90 degree elbow: Part # **RI-3PPS-E90**  
(Equivalent length - 3')  
A = 4 5/16" B = 4 5/16"

### 45° Elbow



45 degree elbow: Part # **RI-3PPS-E45**  
(Equivalent length - 1.5')  
A = 2 7/8" B = 2 7/8"

PolyPro 90 and 45 degree bends allow you to offset venting around obstructions. All connections are made with gaskets and will integrate with other PolyPro products.

### Accessories

#### Wall Strap

Part # **RI-3PPS-WS** Use to support vertical and horizontal runs of PolyPro 3" diameter pipe.