

3 General venting *(continued)*

Table 3B Approved Stainless Steel Terminations and Adapters

Model	ProTech			Heat Fab				Z Flex		
	FasNSeal			Saf-T Vent				Z-Vent		
	Boiler Adapter	Flue Termination	Intake Air Termination	Boiler Adapter	Intermediate Adapter	Flue Termination	Intake Air Termination	Boiler Adapter	Flue Termination	Intake Air Termination
55 - 85	303005	FSBS3 FSRC3(R.C)	303889	WH0002	9353BUREZ-1*	9392 5300CI	9314TERM	2SVAKA02	2SVSTP03 2SVSRCX03	2SVSTEX0390
110 -285	303006			WH1003				2SVAKA03		
399	303007	FSBS4 FSRC4(R.C)	FSAIH04 303888	WH3004	9454BUREZ-1*	9492 5400CI	9414TERM	2SVAKA04	2SVSTP04 2SVSRCX04	2SVSTEX0490

* = This adapter must be used in addition to the boiler adapter for Saf-T vent pipe as shown in FIG. 3-10, unless approved vent other than standard diameter is used. Consult a Heat Fab representative for questions.

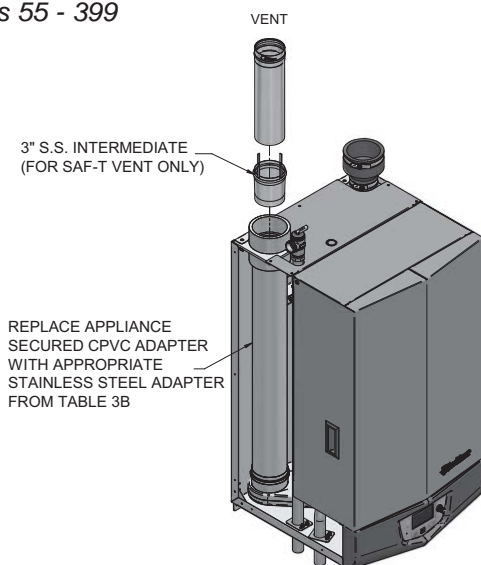
Stainless steel air intake/vent connections

- Combustion Air Intake Connector** (FIG. 3-10) - Used to provide combustion air directly to the unit from outdoors. A fitting is provided on the unit for final connection. Combustion air piping must be supported per guidelines listed in the National Mechanical Code, Section 305, Table 305.4 or as local codes dictate.
- Vent Connector** (FIG. 3-10) - Used to provide a passageway for conveying combustion gases to the outside. A transition fitting is provided on the unit for final connection. Vent piping must be supported per the National Building Code, Section 305, Table 305.4 or as local codes dictate.

Maximum allowable combustion air and vent piping lengths are as follows:

Table 3C Maximum Combustion Air and Vent Piping Lengths

Model	2" Max Vent/ Air	3" Max Vent/ Air	4" Max Vent/ Air
55	*80 feet	100 feet	N/A
85	*50 feet	100 feet	N/A
110	*40 feet	100 feet	N/A
155	N/A	100 feet	N/A
199	N/A	100 feet	N/A
285	N/A	*50 feet	100 feet
399	N/A	N/A	100 feet

Figure 3-10 Near Boiler Stainless Steel Venting Models 55 - 399


The Knight wall mount boiler uses model specific combustion air intake and vent piping sizes as detailed in Table 3C.

NOTICE

Increasing or decreasing the size of the combustion air or vent piping beyond the sizes listed in Table 3C is not authorized.

*** ⚠ WARNING**

For Models 55, 85, and 110 using 2" venting and Model 285 using 3" venting, the first seven (7) equivalent feet of vent must be CPVC (field supplied). This includes any transition piece used to increase or decrease the vent diameter.

Note: The minimum combustion air and vent piping length is 12 equivalent feet.

When determining equivalent combustion air and vent length, add 5 feet for each 90° elbow, 3 feet for each 45° elbow, and 3 feet for the concentric vent kit, see example below.

EXAMPLE: 20 feet of PVC pipe + (4) 90° elbows + (2) 45° elbows + (1) concentric vent kit = 49 equivalent feet of piping.