

SUMMARY OF VENTING REQUIREMENTS FOR PARKER BOILERS**1. UL or ETL Listed Parker Gas Fired Boilers with Draft Hoods**

These boilers are suitable for use with a Type B gas vent and should be installed as shown on Drawing 122 RVI-1, our General and Basic Installation Instructions, the Vent Manufacturer's instructions and applicable Code Requirements.

2. Parker Boilers with Barometric Dampers

In many cases these boilers must be connected to suitable chimneys. A typical installation with a 10 gauge single wall metal chimney is shown on our Drawing 122 RCI-1. A UL Listed factory built chimney may be used on these boilers in place of the 10 gauge chimney. Factory built chimneys must be installed in accordance with the terms of their listing, the Manufacturer's instructions and applicable Code Requirements.

Exceptions: 1. Parker 201-T series "R" and "LR" Model Hot Water Boilers ("T__R") and ("T__LR"). Equipped with heat reclaimer.

2. Parker Waterwall Hot Water Boilers 204 series ("G__R") and ("G__RL") models when "H" stamped for hot water service.

Both of these boiler types have been tested by an approved Nationally Recognized Test Lab and because of low stack temperature, qualify for Type "B" vent even if equipped with barometric dampers.

Note that Waterwall Hot Water Boilers 204 series, when "S" stamped, require chimneys.

3. Thermal Fluid Heaters

Whether equipped with a draft hood or barometric damper, both require a chimney.

4. Parker TC-205 Series Condensing Boiler

These boilers require a Category IV condensing type special vent. Refer to O&M Manual.

VENT GUIDELINES

For detailed guidelines for vent type, design and installation refer to General Basic Installation Instructions Vents Section and Local Code Requirements or contact Parker.

When more than one boiler vent is connected to a common stack, the area of the stack is generally required to be equal or greater than the area of the largest plus 1/2 of the area of the other connected vents. There are many specific requirements as defined in the Codes for combined vent situations.

SCHEDULE OF SQUARE INCH AREA FOR VARIOUS SIZE VENTS

VENT DIAMETER	AREA IN SQUARE INCHES	VENT DIAMETER	AREA IN SQUARE INCHES
4"	12.57	20"	314.16
5"	19.64	22"	380.13
6"	28.27	23"	415.48
7"	38.49	24"	452.39
8"	50.27	25"	490.87
9"	63.62	26"	530.93
10"	78.54	27"	572.56
12"	113.1	28"	615.75
14"	153.94	29"	660.52
16"	201.06	30"	706.86
18"	254.47	32"	804.25