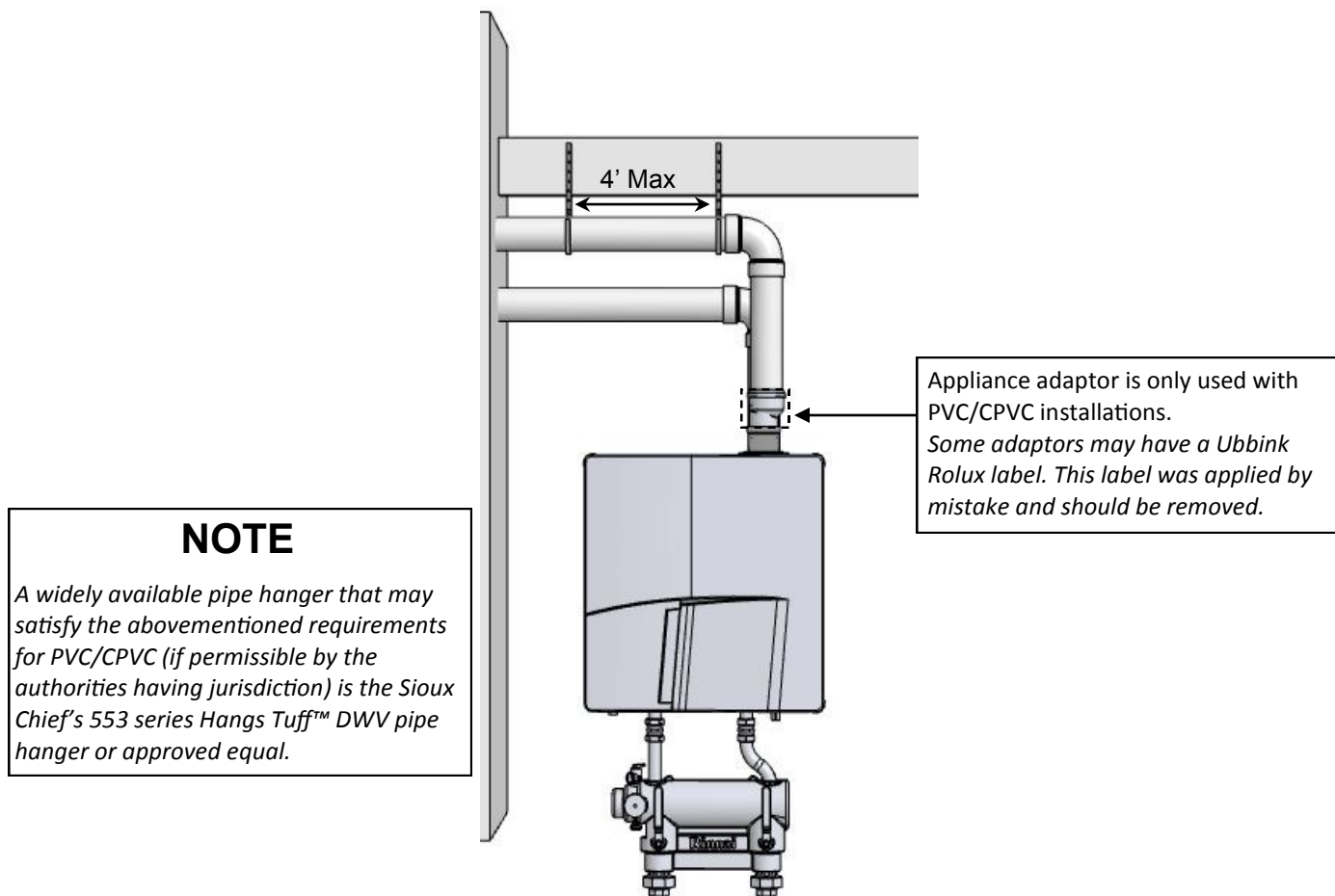


Technical Bulletin 110-Boiler Exhaust Vent Hanger and Support

The purpose of this bulletin is to provide more information about Rinnai's requirement that the vent system installed with the Rinnai boiler must be appropriately supported. As we state in our manual, "place pipe supports every 4 feet (1219 mm) of horizontal run, beginning with the support near the boiler to prevent movement in fittings and allow boiler to be free from any strain or weight on boiler or fittings." For Horizontal pipes, the first support should be placed as close as possible after the first elbow. These required vent supports are critical to prevent movement in fittings and to allow the boiler to be free from any strain or weight associated with the installed fittings and/or vent pipe system.

Installation of the venting system **MUST** comply with the vent manufacturer's instructions. Additionally, to ensure structural integrity, the installer **MUST** select hangers, supports, and restraints which are able to withstand all static and dynamic loading conditions which act upon the vent piping system and the associated Rinnai boiler. Hangers, supports, and restraints shall be 100% corrosion proof, UV resistant, and impact resistant.

Exhaust vent pipe **MUST** be securely fastened to the structure to avoid movement. The first hanger support **MUST** be located directly after the first elbow on the first horizontal vent section or as close thereto as possible to ensure no movement. (see example below). Use hangers that will not score or damage vent pipes and are accepted by local codes.



The information in this bulletin is an effort to assist you in better understanding the requirements to secure the venting. This document has been compiled from generally accepted engineering principles and standards from the American National Standards Institute and other pertinent documents. The specifications herein are intended as a guide only and it is the responsibility of the engineer/designer or installer to select appropriate support and to use this guide in conjunction with all applicable codes and/or standards.