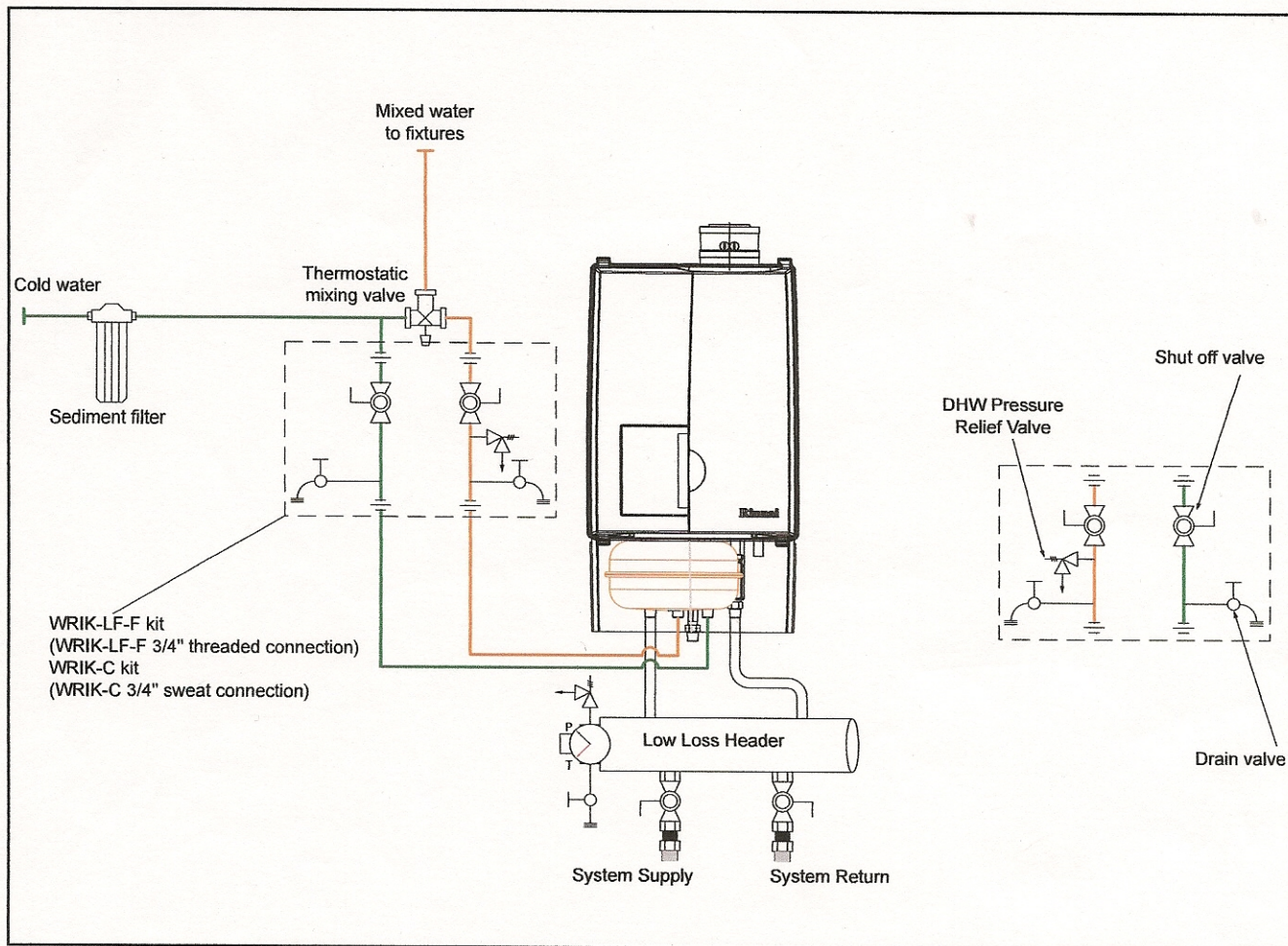


6.5.3


Installing a Thermostatic Mixing Valve

A thermostatic mixing valve should be installed on all E combi boilers on the domestic hot water side to prevent scalding. This valve will regulate the water temperature leaving the brazed plate heat exchanger. See the figure 10 for the suggest piping.



DHW piping with thermostatic mixing valve

fig. 11

	<h3>DANGER</h3>	<p>Hot water can be dangerous, especially for infants or children, the elderly, or infirm. There is hot water scald potential if the thermostat is set too high.</p> <p>Water temperatures over 125° F (51° C) can cause severe burns or scalding resulting in death.</p> <p>Hot water can cause first degree burns with exposure for as little as:</p> <ul style="list-style-type: none"> 3 seconds at 140° F (60° C) 20 seconds at 130° F (54° C) 8 minutes at 120° F (48° C) <p>Test the temperature of the water before placing a child in the bath or shower.</p> <p>Do not leave a child or an infirm person in the bath unsupervised.</p>
