



High Temperature Hot Water Generator

	Membrane Style	Lamont Style
Furnace	<ul style="list-style-type: none"> • Membrane tube construction • Shorter tube length • Tube access from the side • Smaller maintenance area, due to the ability to access tubes from both sides. • Headers are located on opposite corners, run parallel to the furnace • 2" OD tubes with 0.25" thick membrane bar • Furnace access on the front wall • Observation ports on the side wall • Removable casing for tube welds inspection 	<ul style="list-style-type: none"> • Tangent tube construction • Longer tube lengths • Tube access from the rear • Maintenance area is larger due to the longer tube pull. • Headers are located around the perimeter of the front wall. • 1.25" OD tubes • Furnace access on the front wall • Observation ports on the rear wall • Requires welded casing behind tangent tubes
Convection	<ul style="list-style-type: none"> • Inline tube arrangement • Convection bank consists of bare tubes, SS fin tubes and CS fin tubes • 2" OD tubes • Scallop bar construction • Tube bends and welds are external to the gas path • Convection bank is located behind the furnace, closer to the floor. • Directly connects to the furnace header • No external piping needed • Separate economizer is not necessary, can be integrated to the convection bank. • Multiple flue gas passes • Removable side panels for tube welds inspection 	<ul style="list-style-type: none"> • Staggered tube arrangement • Convection bank consists of bare tubes, SS fin tubes and CS fin tubes • 1.5" OD tubes • Scallop bar construction • Tube bends and welds are external to the gas path • Convection bank is located above the furnace, requires platform to access. • Separate headers • Connects to furnace via external piping • Provision to integrate economizer to the convection bank. • Single flue gas pass • Removable side panels for tube welds inspection
Footprint	<ul style="list-style-type: none"> • Low overall height • Longer floor space • Less field installation: no interconnecting piping, Convection and Economizer comes factory installed. 	<ul style="list-style-type: none"> • Convection & Economizer are mounted on the furnace requiring more overall height. • Shorter floor space • Requires more field installation: Interconnecting piping, Convection and Economizer come in separate modules.