

PRIMERA[®]

WATER HEATER ASME HLW Stamp

STANDARD EQUIPMENT AND FEATURES

<i>Performance:</i>	85% efficiency Operates on 4-1/2" W.C. minimum gas flow pressure Category I or Category III venting (consult factory with Cat. III) Low NOx emissions Remote combustion air capable (100 equivalent feet 399 to 1000 MBH) (180 equivalent feet 1200 to 2000 MBH)
<i>Certifications:</i>	ETL listed to ANSI Z21.10.3 /CSA 4.3 FM compliant 1" clearance to combustible walls (consult local codes for clearance requirements)
<i>Heat Exchanger:</i>	Multi-pass, concentrically arranged finned copper tubing braze-welded into 100% non-ferrous headers (gasketless design) Integral tube baffling (no separate "v" baffles required) ASME HLW stamped for 160 psi working pressure
<i>Burner:</i>	Pre-mix, woven metal-matrix surface burner Gas train includes gas pressure regulator(s), gas cock(s) and redundant gas valve(s) Single blower design Synchronous fuel-air balancing for optimum combustion (540 through 2000 MBH)
<i>Combustion Control:</i>	Electronic flame safeguard with pre-purge and post-purge Hot surface ignition
<i>Operating Controls and Indicators:</i>	Programmable digital temperature control accurate to 1°F, programmable setback and serial communication Modbus RTU protocol (option cable required) LED temperature readouts Firing sequence lights
<i>Safety Controls:</i>	Redundant high-temperature-limit controls with manual reset Flow switch on heat exchanger (safety for both low flow and low water conditions) Blocked flue and air proving switch Low return water temperature alarm (condensation protection) Temperature and pressure relief valve set for 150 psi and 210°F
<i>Pump:</i>	All bronze (refer to form 34-113 for pump sizing information)
<i>Warranty:</i>	Five-year heat exchanger warranty including thermal shock * First-year "Service Advantage Plan" covering freight, labor and materials on any failed part *

OPTIONAL EQUIPMENT

<input type="checkbox"/> CSD-1 / GEGAP	<input type="checkbox"/> Air intake filter (mechanical room only, not available for direct combustion air)
<input type="checkbox"/> MASS code	<input type="checkbox"/> Outdoor installation kit
<input type="checkbox"/> Remote combustion air connection	<input type="checkbox"/> Remote equipment switch (10 amp maximum)
<input type="checkbox"/> Remote alarm contacts	<input type="checkbox"/> LP gas operation
<input type="checkbox"/> Audible alarm	<input type="checkbox"/> AGA-rated temperature and pressure relief valve(s)
<input type="checkbox"/> Hi-limit thermostat with manual reset	<input type="checkbox"/> cable for 485 serial connection /Modbus protocol
<input type="checkbox"/> Stacking skid	<input type="checkbox"/> freeze protection
<input type="checkbox"/> Sway brace connections	

Some options may increase water heater space requirements.
* See warranty or service policy for full details.

Riverside Hydronics reserves the right to change the design and specification without notice.