



The Endless Solution for Everyday Hot Water.

Eternal GU100 is the affordable and flexible alternative to traditional tank water heaters in retrofit applications. With the hybrid, you get endless hot water with minimal pressure drop and 96% thermal efficiency. Its lightweight compact design, **1/2" gas line capability**, top mounted water connections, and PVC venting allows for easy installation in any home. The GU100 also comes with a 15 year residential no leak warranty.

Features

- 100% Stainless Steel Heat Exchanger w/built in reserve tank
- Full flow design does not restrict water flow
- Dual Activation (Temperature and Flow Sensing) is compatible with low flow Water Sense fixtures
- 2" or 3" PVC Venting eliminates costly materials required by tankless units
- Flexible NG / LP / Indoor / Outdoor / Direct Vent / Power Vent conversions in one unit
- Quick-Connect / Clip-On components makes service easy for technicians
- Patented self-cleaning utilizes turbulent flow to flush sediments out
- Digital display for easy temperature adjustment and diagnostics

Benefits

- Endless hot water, up to two simultaneous domestic applications without pressure drop
- 96% Thermal Efficiency saves cost, 0.94EF exceeds Energy Star, and qualifies for available government and/or local utility rebates
- Meets new Ultra Low Emissions standard (SCAQMD 1146.2 Listed) leaves almost no carbon footprint
- Easy integration into existing recirculation system and no startup lag eliminates cold water sandwich
- Industry leading 15 year Residential No Leak heat exchanger warranty



Upgrade to Endless

The GU100 can run up to two applications endlessly! With Eternal's patented hybrid technology, you don't have to give up water pressure, worry about cold water sandwiching, or plan when to shower in your home.



Save Time & Water

GU100 is compatible with most recirculation systems, whether it's a dedicated return line or under-the-sink retrofit pump. The built-in reserve tank within the heat exchanger makes instant hot water possible. [Optional feature. Consult your authorized Eternal dealer.]



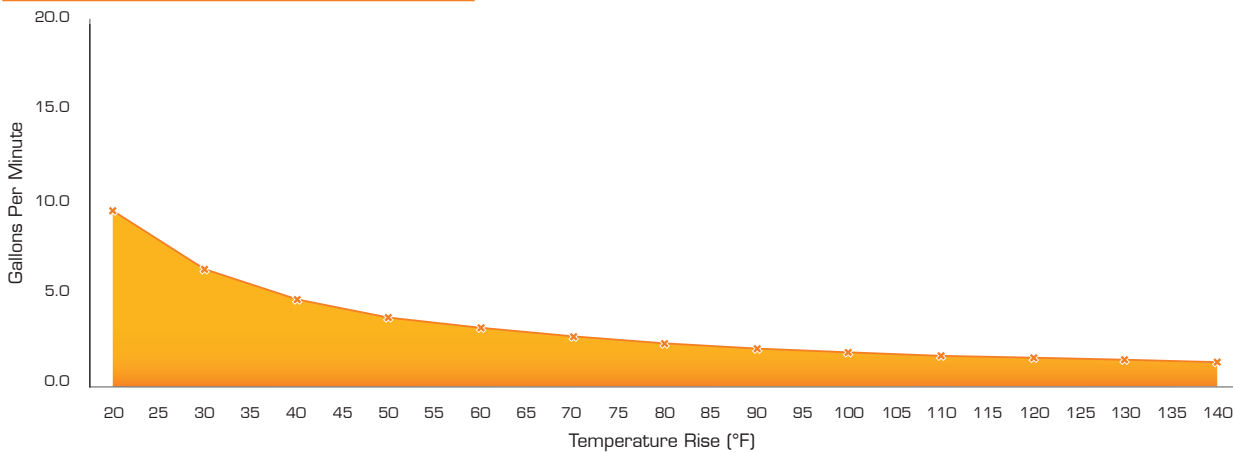
See more at www.eternalwaterheater.com

PRODUCT SPECS

		GU100*
Thermal Efficiency / Energy Factor		96% NG / 97% LP / 0.94 Energy Factor
Installation		Indoor / Outdoor / Wall Mount / Floor Standing
Flue System		Forced Exhaust Power or Direct Vent
Vent Run	3" PVC / 2" PVC	Up to 100ft, 6 Elbows Max, 5ft Deduction Per Elbow / Up to 35ft, 3 Elbows Max, 5ft Deduction Per Elbow 2" PVC cannot be used at elevations above 4,000ft.
Condensate Discharge	Low / Med / High Fire	0.5GPH / 1.1GPH / 1.75GPH
Condensate pH Level		4 pH
Gas Type		Pre-set for NG / LP Conversion Kit Included
Unit Connections	Gas	1/2" Female NPT
	Water	3/4" Female NPT
	Electricity	Dedicated 120VAC, 60Hz w/3 Pronged Power Cord
Gas Input Rate	Min / Max	16,000 BTU/Hr / 100,000BTU/Hr
Gas Supply Pressure	NG / LP	3.5"WC to 10.5"WC / 8"WC to 14"WC
Ignition System		Direct Electronic Ignition w/Automatic Flame Sensing
Burner System		Single Orifice Premixed Fuel Injection Metal Fiber Infrared
Gas Valve System		Dual Stage Negative Pressure Full Modulation Air Ratio
Internal Piping Material		PPS and Copper
Reserve Tank		Under 2 Gallons
Electrical Consumption		Standby 8w, Maximum 45w
Maximum Noise Level		Under 35dB
GPM Capacity Range		0.1 to 10 GPM
Temperature Sensing		Tank, Cold Inlet, Hot Outlet, Air Inlet Thermistors
Temperature Control		Simulation Feed Forward and Feed Back w/ Electronically Controlled Mixing Valve
Flow Sensing		Dual Flow Sensors w/Built-in GPM Monitor
Temperature Settings Range		100°F to 140°F (5°F interval/ 9 steps), Factory default : 140°F
Unit Dimensions (WxHxD)		16.9" x 29.1" x 13.8"
Unit Weight		77lbs
Safety Devices		T&P Valve, Flame Rod, Thermal Fuse (306°F), Remaining Flame Detection, Fan RPM Check, Freeze Protection (-40°F), Vent Blockage Detection, Thermostat Switches (149°F / 194°F), Gas Valve Current Leak Detection, Ignition Prevention, Dipswitch Temperature Lock, GFCI w/2 x 5A Fuses.
Accessories		Outdoor Vent Cap Assembly, 3" Horizontal Terminator, Concentric Venting Kit, Condensate Neutralizer Kit Water heater stand.

*GU100 is for single or dual unit applications with no multi control unit.

ETERNAL HOT WATER MINIMUM FLOW RATE DATA



ETERNAL GU100 Key Temp (°F) Rise Points	Flow Rate (GPM)
20°F Rise	9.6 GPMs
30°F Rise	6.4 GPMs
40°F Rise	4.8 GPMs
50°F Rise	3.8 GPMs
60°F Rise	3.2 GPMs
70°F Rise	2.7 GPMs
80°F Rise	2.4 GPMs
90°F Rise	2.1 GPMs
100°F Rise	2.1 GPMs
140°F Rise	1.9 GPMs



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Part Number: E1002
 Flyer Ver: 010612JM