

+HYBRID™ CONDENSED

+ Introducing the Eternal Condensing Hybrid™. Through the magic of science, our engineers squeezed all the innovations of the award winning original into a smaller, smarter, sleeker and every bit just as powerful unit.

Clean

- 316L Stainless Steel Heat Exchanger w/built in 2 gallon reserve tank
- Meets NSF Standards for health and cleanliness
- Ultra low emissions (1ppm CO) leaves almost no carbon footprint and is safe
- Patented self-cleaning utilizes turbulent flow to flush sediments out

Clever

- 98%+ Efficiency saves cost, exceeds Energy Star, and qualifies for Tax and LEED credits
- Compact chassis can wall or floor mount; standard water connects on top
- Flexible NG / LP / Indoor / Outdoor / Direct Vent / Power Vent conversions in one unit
- 2" PVC up to 35ft or 3" PVC venting up to 100ft
- Dual Core CPU displays error codes and optionally controlled by up to 3 remotes
- Clip-on components can be easily serviced by technicians

Confident

- Full flow design enables high output without water pressure drop
- Thermostat and Flow – Dual Activation is compatible with Water Sense fixtures
- Easy integration with recirculation and no startup lag eliminates cold water sandwich
- Meets UL / CSA / ANSI / NSF and UPC standards
- Industry's BEST 20 year residential and 10 year commercial Heat Exchanger warranty



eternal ®
ADVANCED HYBRID WATER HEATING

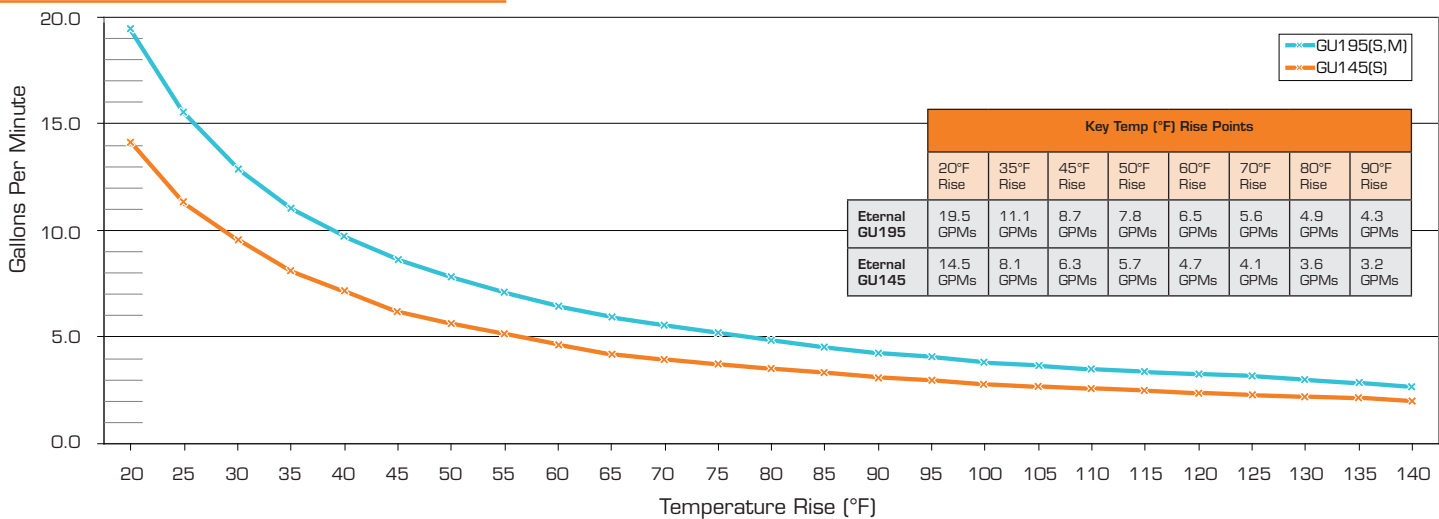


PRODUCT SPECS

		GU145 / GU145S	GU195S / GU195M
Thermal Efficiency / Energy Factor		98% NG / 99% LP / 0.96 Energy Factor	
Installation		Indoor / Outdoor / Wall Hung / Floor Standing	
Flue System		Sealed Combustion Direct Vent / Power Vent Convertible	
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	
Condensate Discharge	Low Fire / Med Fire / 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 and Water	3/4" Female NPT	
	Electricity	Dedicated 120VAC, 60Hz w/3 Pronged Power Cord	
Gas Input Rate	Min / Max	31,000 BTU/Hr / 145,000BTU/Hr	31,000BTU/Hr / 199,000BTU/Hr
Gas Supply Pressure	NG / LP	3.5"WC to 10.5"WC / 8"WC to 14"WC	
Manifold Pressure	Min / Max	0.1"WC / 1.8"WC	0.1"WC / 3.3"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		Standard - Copper / S Option - 316L SS / M Option - 316L SS + MCU	
Reserve Tank		Under 2 Gallons	
Electrical Consumption		Standby 8w, Max 51w	Standby 8w, Max 91w
Maximum Noise Level		40dB (a)	50dB (a)
Remote Controller		Up to 3 kits	
Multi Control Unit (MCU)		Up to 2 in manifold, No Built-In MCU / M Option - MCU up to 8 Units	
GPM Capacity Range		0.1 to 14.5 GPM	0.1 to 19.5 GPM
Temperature Sensing		Tank, Cold Inlet, Hot Outlet, Air Thermistors	
Temperature Control		Simulation Feed Forward and Feed Back, Computer Controlled Mixing Valve	
Flow Sensing		Dual Flow Sensors w/Built-in GPM Monitor	
Temperature Settings Range		100F to 180F in 5F Steps, Factory Limited to 140F	
Unit Dimensions (WxHxD)		16.9" x 29.1" x 13.8"	
Unit Weight		96lbs / M Option - 97lbs	
Safety Devices		T&P Valve, Flame Rod, Thermal Fuse (306F), Remaining Flame Detection, Fan RPM Check, Freeze Protection (-4F), Vent Blockage Detection, Thermostat Switches (167F / 203F), Gas Valve Current Leak Detection, Ignition Prevention, Dipswitch Temperature Lock, GFCI w/2 x 5A Fuses	

* 2"PVC Cannot be used at elevations above 4,000ft

ETERNAL HOT WATER MINIMUM FLOW RATE DATA



US Patent No 6,945,197 and patents pending / © 2009 Grand Hall - In the interest of product development, Eternal product designs, features and specifications are subject to change without notice.
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