



Viridian® Tankless, Whole-House Electric Water Heater

Never run out of hot water again! Viridian® *Truly Tankless™*, whole-house, electric water heaters heat water only when needed, without a tank, for less money.

Viridian's exclusive and patented design provides an extraordinary way to experience greater comfort in your home, reduce your energy and water bills and decrease environmental hazards like carbon emissions.

Installs almost anywhere—no venting or gas lines are required!

Model Numbers: V120-00 & V100-00

Color: White or Stainless Steel

Endless Hot Water

Never run out of hot water! Viridian tankless water heaters heat water as you need it—two showers at a time in warmer climates, simultaneous with other uses. Your entire family and all of your guests can shower one after the other—all without running out of hot water. ...no more having to get up early to beat others to the hot water.

Lower Energy Bills

Given there is NO "stand-by loss" (heat lost through the walls of a tank-type water heater), Viridian tankless, whole-house electric water heaters can significantly reduce the water heating portion of your utility bill—up to 50% in most homes. Viridian water heaters are over 99% efficient; meaning that over 99% of the heat created by the elements is absorbed into the water.

Reduces Water Bills

When installed near points-of-use (near the baths and the kitchen), Viridian saves thousands of gallons of water per year—water that most people let go down the drain while waiting on the shower to get hot. ...could be as much as 10,000 gallons annually for a family of four.

High-Quality Stainless Steel Construction

The heating section of Viridian water heaters is made with high-quality 316 grade stainless steel, which although more costly, provides superior performance and long lasting reliability (compare this to other electric tankless brands). Viridian water heaters are designed to last over 20 years, twice as long as traditional tank water heaters.

Truly-Tankless™ Design

Viridian tankless water heaters are truly tankless! Other electric "tankless" brands have three or four little pint-size "mini-tanks" that are subject to sediment accumulation, which will reduce or block hot water flow. Viridian water heaters use a patented system of four horizontal and downward flowing, high-quality, stainless-steel heating tubes. Cold water enters the top of the heating system and is heated as it flows horizontally and downward, naturally washing away any possible sediment. There is no tank bottom therefore no place for sediment to accumulate—a great design idea way overdue!

Built with Jalix™ Technology

All Viridian tankless water heaters include our patented Jalix™ technology, which in part consists of a spiraling indentation pressed into the four horizontal heat tubes. This spiral pattern continuously forces water over the elements to wash away tiny insulating bubbles that form on the surface of all water heater elements. This continuous water movement over **24 linear feet** of low wattage density, custom designed and patented long life elements, more efficiently transfers heat from the elements to the water (99.2% efficient). Viridian's elements are nearly 100% longer than all other brands.

Enhanced Air and Water Quality

Viridian tankless, whole-house electric water heaters are safer and healthier to use. They produce no carbon emissions at point-of-use and do not promote bacterial growth regardless of selected output water temperature. Viridian water heaters are environmentally friendly and are recognized as "green-conscious" products by national building associations.

Safe and Easy to Use

All Viridian tankless water heaters have a double redundant, fail-safe electrical system to protect from possible over-temp situations. All models also have internal protective metal covers over the high-voltage areas and "Finger-Safe" electrical connections. All models have easy to use electronic controls with L.E.D. digital displays.

Space Saving, Aesthetic, No Venting Required

Sleek, small and lightweight design requires no floor space and given Viridian is an electric tankless water heater, no venting is required. Install almost anywhere—closets, attics, pantries, basements, utility rooms, alcoves, hallways, garages, etc.

Sustainable Design

Viridian tankless water heaters are designed to be sustainable. Our innovative electric, Point-of-Entry design reduces the carbon (environmental) footprint, while contributing to your "Green Project" certification. "Green" rating system specifications include:

- Water Efficiency—Tankless Design
- Energy Efficiency
 - Highest Industry Energy Factors (EF)
 - Renewable Energy Powered
- Indoor Air Quality—No Combustion Venting

In addition to whole-house, Point-of-Entry applications, Viridian integrates with Hydronic Heating Systems, Solar Water Heater Back-up Systems and Commercial/Residential Structured Plumbing Designs as detailed in the following nationally recognized Green Building Programs:

- USGBC LEED®-NC & LEED® for Homes Programs
- The Green Globes® System
- NAHB Model Green Building Guidelines
- Masco Contractor Service's Environments for Living® Program
- The Department of Energy's Building America Program, "Research Towards Zero Energy Homes"
- 75 Regional Green Building Programs

MANY Other Standard Features are included on all models, e.g., Custom Designed Patented Elements, Precision Temperature Controls, Easy Access Reset Button, Water Drip Sensors, Pro Series Stainless Steel AcuFlow Water Flow Sensor, AcuSense In-flow Water Temp Sensors, Internal Circuit Breakers, Double Safe Low-Voltage Relays, Painted Metal Housing or Optional Stainless Steel Housing, Triac Technology, Patented Custom Designed Control Board, "Dry Fire" Protection, Freeze Protection, Individual Element Monitoring, Optional Water Shut-off Valve, and more.

Noble Innovations is a Member of:

American Society of Plumbing Engineers (ASPE), National Association of Home Builders (NAHB), National Kitchen & Bath Association (NKBA), U.S. Green Building Council (USGBC)

Technical Specifications*:

Width, 24"; Height, 13"; Depth, 4"

Max Power Load: 120 amps at 240 VAC. 100 amp models are also available.

Voltage & Wiring Requirements:

Four separate leads of 2-wire Romex w/ground, 208/220 volt, single phase, #10 AWG, copper

Wattage Rating: 28.8 kW

Water Inlet & Outlet Size: $\frac{3}{4}$ " Male NPT

Weight: 35 lbs.

*Refer to local electrical codes to ensure correct installation in your area.

Metal Cabinet Colors: White or Stainless Steel

Please call, email or visit us on the web for additional information.

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