

Commercial Electric  
Water Heaters



The Most Complete Line Of  
Commercial Electric Products

## Custom Xi (DSE) Industrial Strength Commercial Electric Water Heaters

The Custom Xi Series with advanced electronic control is available with storage capacities from 5 to 119-gallons. All tanks feature ASME tank construction. With various input options from as low as 3 kW to as high as 90 kW (on 50 through 119-gallon models), the Custom Xi Series is built with high-demand industrial applications in mind. In fact, the Custom Xi DSE models are a favorite of the specifying engineer. With a multitude of options, the DSE can be custom built/ designed to meet any special needs or design specification.



- *Advanced electronic control with large LCD display*

- *iCOMM™ Compatible and can be monitored from remote locations.*

*Call 1.888.WATER02 for more information.*



- *The DSE models use a unique combination of a conventional magnesium anode and a European-style powered anode. The powered anode is self-adjusting to water conditions, does not require maintenance or inspection, and provides longer-lasting tank protection in hard-to-reach areas. This multi-anode system provides superior anodic protection to hidden surfaces of the tank*

- *Industrial-grade, bolt on, immersion Incoloy sheathed heating elements are designed for rugged, long-lasting commercial service (gold elements optional)*

- *Ten tank sizes available from 5 to 119-gallons, plus various voltages and kilowatts to meet any specifications you may require*

- *Low Water Cutoff—Factory standard onboard low water cutoff uses a remote electronic immersion type probe to prevent energizing of the elements in the event of low water condition and eliminates accidental dry firing*

- *Sequencing —Units with multiple element contactors are sequenced on with one-second delay between stages. Prevents high amp electrical loads from hitting the electric system all at once and provides a smoother operating unit. Adjustable modulating mode is optional.*

- *Power-circuit fusing for system protection*

- *A. O. Smith PermaGlas® coating provides superior protection against corrosion and is bonded to all inner tank surfaces at 1600° F. All DSE tank sizes are ASME construction*

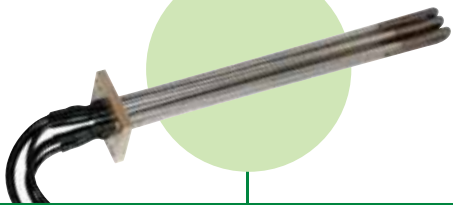
- *Options include: stainless steel tank for deionized water, alarm horn, international voltages, modulating control*

## Good As Gold

Want to make sure your water heater lasts longer? Both our DRE and DVE models come with gold-plated elements that resist lime scale and calcium adhesion as well as sheath temperatures up to 1500° F.



*The Goldenrod® element was chosen by A. O. Smith to be a standard feature in the Gold Xi and Gold Series. The value of gold is its unparalleled ability to resist corrosion. And with its excellent electrical and thermal conductivity, you are ensured long lasting performance from your water heater.*



*Industrial strength Incoloy elements (DSE model only) are hard-wired for solid electrical connections. Low watt density for longer life with optional Y (3PH) configuration.*

*Staggered elements allow maximum heat transfer and larger surface area coverage. 24K gold elements are standard with the Gold and Gold Xi models. Corrosion is nearly eliminated through the combination of dual anodes for additional tank protection and A. O. Smith's patented ceramic glasslining.*



## Advanced Electronic Control System

The intelligent control system, with easy-to-navigate menu, provides precise temperature control and unit operating information displayed on an LCD screen.



- Detailed heater status information
- Precise temperature setting with actual tank temperature at upper and lower probes
- Detailed diagnostics including fault messages and run time history
- Economy Mode option allows the user to lower the operating set points during non-peak demand periods
- Linear Sequencing—Elements are energized according to adjustable (1° to 20°) differential set points, which helps reduce operating costs during moderate to low loads
- Alert Messages—Displays a list of possible causes for a fault and aids in servicing; displays sequence of operation in real time
- iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.



## Setting The Gold Standard: Gold Xi Series (DVE) and Gold Series (DRE) Models

The Gold Xi Series, featuring advanced electronic control, immersion style thermostats and gold elements, is available with 50, 80 and 119-gallon storage tanks, with inputs ranging from 6 kW to 54 kW. They can be used as recovery heaters or as boosters for supplying sanitizing rinse water for dishwashing.

The Gold Series, now standard with Goldenrod® elements, is the industry's most popular line of commercial electric heaters. With surface mounted thermostats, available in 50, 80 and 119-gallon tanks as well as various electrical configurations, they will provide hot water where and when you need it.



- Goldenrod® 24K gold-plated elements resist corrosion, resulting in long term efficiency and damage protection
- LCD advanced electronic control panel for ease of service should a fault occur (on Gold Xi models only)
  - iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.
- Power-circuit fusing for system protection. (Available as an option on Canadian built heaters)
- Glasslined tank provides long-lasting protection against corrosion
- Optional manifold kits with isolation valves for easy multiple-unit installations
- Available with 3, 6, or 9 Goldenrod elements
- Dual anode rods
- Ceramic glasslining
- Optional UL (and cUL for Canada) approved conversion kits available, allowing for various electric configurations to meet every possible need



# The Highest Standards, The Best Performance

The innovative streak that runs through all A. O. Smith products is also proudly on display in our commercial electric line. Thanks to the advanced electronic control, our complete line of commercial electric water heaters now far surpasses the competition. And when equipped with optional gold elements, our water heaters can sustain that performance even in the harshest water conditions.



## Dura-Power™ upright standard DEN and lowboy DEL models

- Sizing available from 6 to 119-gallons
- Standard voltages include 120V, 208V, 240V, 277V, and 480V
- Ceramic glass lining specially developed by A. O. Smith
- Zinc-plated copper sheath elements available from 1.5 kW to 6 kW
- Simplified circuitry, color coded for ease of service
- Anode rod for maximum corrosion protection
- UL approved for field conversion
- Optional Goldenrod® elements available

## Dura-Power™ large volume DVE and DHE models

- Available in upright and horizontal baked enamel cabinets (DVE/DHE models)
- Sizing available from 140 to 10,000 gallons
- Inputs range from 15 kW to 3,000 kW
- Standard voltages include 208V, 240V, 480V, and 600V
- Standard glass-lined tank with optional tank linings in cement or epoxy
- Incoloy immersion elements standard
- Available with optional Goldenrod® elements
- Advanced Electronic Control - iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.





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Ask a sales associate about our electric water heaters now,  
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