



# “THERMOSTATIC”

MICRO PROCESSING TEMPERATURE CONTROL

## ELECTRIC TANKLESS WATER HEATERS

6/04

### MODELS:

|         | Thermostatic Options | Volts | kW     | Amps |
|---------|----------------------|-------|--------|------|
| EX2412T | S,FS,P,DR            | 120V  | 2.4kW  | 20A  |
| EX3012T | S,FS,P,DR            | 120V  | 3.0kW  | 25A  |
| EX3512T | S,FS,P,DR            | 120V  | 3.5kW  | 29A  |
| EX55T   | EE,ML,S,P,FS,DR      | 240V* | 5.5kW  | 23A  |
| EX65T   | EE,ML,S,P,FS,DR      | 240V* | 6.5kW  | 27A  |
| EX75T   | EE,ML,S,P,FS,DR      | 240V* | 7.5kW  | 32A  |
| EX95T   | EE,ML,S,P,FS,DR      | 240V* | 9.5kW  | 40A  |
| EX8208T | EE,ML,S,P,FS,DR      | 208V  | 8.3kW  | 40A  |
| EX60T   | EE,ML,S,P,FS,DR      | 277V  | 6.0kW  | 22A  |
| EX80T   | EE,ML,S,P,FS,DR      | 277V  | 8.0kW  | 29A  |
| EX90T   | EE,ML,S,P,FS,DR      | 277V  | 9.0kW  | 33A  |
| EX100T  | EE,ML,S,P,FS,DR      | 277V  | 10.0kW | 36A  |

\*Units can be used at 208V with 25% reduced output.

### SPECIFICATION OPTIONS

- EE = Emergency Eyewash “Tepid Water” ANSI Z358.1
- ML = Multiple Lavs (5.5kW - 10kW)
- S = Sanitation Setting 180°
- P = Photo Setting temperatures ambient to 100°
- FS = Factory set temperature (ambient to 180°)
- DR = External temperature control LED temperature display (see “Digital Readout” spec sheet)

### APPLICATIONS:

- Dishwashers, Boosters (to 180°F) (S)
- Single and multiple handwash sinks maintain precise outlet temp for one, two, or three sinks code compliant (.5 GPM @ 105°F)(ML)
- Modular Sinks
- Emergency eye wash fountains (EE)
- Metering and sensor faucet compatible
- Low volume shower handset (.7-2 GPM)
- Photo Processing (P)
- Schools/Hospitals/Nursing Homes/Laboratories
- Eliminate wait for hot water, long pipe runs
- Maintains accurate temperature continuously +/- 1°F



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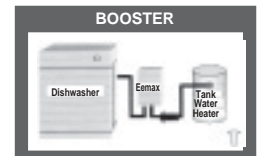
Emergency Eye/Face Wash Fountains



Multiple Sinks



Low Volume Hand Shower (.7 GPM - 2 GPM)



Boosters for Sanitation

ADVANCED TECHNOLOGY • HIGHEST EFFICIENCY • DESIGNED FOR DURABILITY

### QUALITY FEATURES

- **Fully Adjustable Temperature Range between 100-140°.** Special settings of higher or lower range available upon request. (see spec options)
- **Eliminate Costly Mixing Valves.**
- **On Demand Hot Water** - no delay.
- **Continuous Hot Water** - no storage capacity to run out.
- **Reduces Installation Cost and Material** - no T & P relief valve needed (check local codes).
- **Easy Installation** - only one cold or hot water line need be brought to installation - integral compression fittings for 1/2" pipe (5/8" OD) on bottom (no sweat connections).
- **Cut Energy Waste** - flow switch activates heater only on demand (no standby heat loss) - **99% efficient.**
- **Sophisticated microprocessing temperature control (+/- 1°F).**
- **Prevents Legionella Bacteria Growth.**
- **Meets ANSI Z358.1 Tepid Water Requirements**
- **Anti-scald Protection.** Reduce wide temperature fluctuation.
- **Reduces Calcification, Liming and Sedimentation.**
- **Complies with Handicap Requirements.**
- **Compact Size** - dimensions 10.75"x5.25"x2.87" weight 3 lbs.
- **Field Serviceable Element** - replaceable cartridge element (1 year warranty).
- **Warranty** - Full Factory Warranty - Heaters are guaranteed against failure due to leaks of "Heater Body/Element Assembly" for a period of FIVE YEARS.

## THERMOSTAT OPTIONS

- Standard unit has fully adjustable thermostat 100-140°
- Higher temperature available up to 180°F upon request. (S)
- "Digital Readout", external temperature adjustment range 2.4 kW - 32 kW. (see "Digital Readout" spec sheet) (DR)
- Factory set, nonadjustable thermostat available. (FS)
- Photoprocessing unit lower temperature range ambient to 100°. (P)
- "Tepid" warm water (60° - 95°F) for Emergency Eye wash fountains available. Complies with ANSI Z358.1 (EE)

## THERMOSTAT ACCURACY

- Thermostatic feature maintains +/- 1°F accuracy.
- Achieves full, pre-selected outlet temperature within 10 seconds after activation.
- Maintains consistent temperature.

## SUGGESTED SPECIFICATION

Tankless Water Heater shall be an Eemax Thermostatic Model, with microprocessing temperature control capable of maintaining outlet temperature of +/- 1°F accuracy, \_\_\_\_\_, with \_\_\_\_\_ kW, \_\_\_\_\_ vac, and \_\_\_\_\_ to heat \_\_\_\_\_ GPM @ a temperature rise of \_\_\_\_\_ degrees F. Unit shall have ABS-UL 94Vo rated cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" pipe compression nuts (5/8" OD) or 3/8" sleeves, to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

## RATINGS OF "THERMOSTATIC" MODELS { cold or hot water feed }

| MODEL   | THERMOSTATIC OPTIONS | VOLTS | kW     | AMPS | TEMPERATURE RISE °F |          |        |         |         | MINIMUM RECOMMENDED WIRE SIZE |
|---------|----------------------|-------|--------|------|---------------------|----------|--------|---------|---------|-------------------------------|
|         |                      |       |        |      | 0.5 GPM             | 0.75 GPM | 1.0GPM | 1.5 GPM | 2.0 GPM |                               |
| EX2412T | S,P,FS,DR            | 120V  | 2.4kW  | 20A  | 33°                 | 22°      | 16°    | 11°     | 8°      | 10AWG                         |
| EX3012T | S,P,FS,DR            | 120V  | 3.0kW  | 25A  | 41°                 | 27°      | 20°    | 14°     | 10°     | 10AWG                         |
| EX3512T | S,P,FS,DR            | 120V  | 3.5kW  | 29A  | 48°                 | 32°      | 24°    | 16°     | 12°     | 10AWG                         |
| EX55T   | EE,ML,S,P,FS,DR      | 240V* | 5.5kW  | 23A  | 75°                 | 50°      | 38°    | 25°     | 19°     | 10AWG                         |
| EX65T   | EE,ML,S,P,FS,DR      | 240V* | 6.5kW  | 27A  | 89°                 | 59°      | 44°    | 30°     | 22°     | 10AWG                         |
| EX75T   | EE,ML,S,P,FS,DR      | 240V* | 7.5kW  | 32A  | —                   | 68°      | 51°    | 34°     | 26°     | 8AWG                          |
| EX95T   | EE,ML,S,P,FS,DR      | 240V* | 9.5kW  | 40A  | —                   | 87°      | 65°    | 43°     | 32°     | 8AWG                          |
| EX8208T | EE,ML,S,P,FS,DR      | 208V  | 8.3kW  | 40A  | —                   | 76°      | 57°    | 38°     | 28°     | 8AWG                          |
| EX60T   | EE,ML,S,P,FS,DR      | 277V  | 6.0kW  | 22A  | 81°                 | 55°      | 41°    | 27°     | 20°     | 10AWG                         |
| EX80T   | EE,ML,S,P,FS,DR      | 277V  | 8.0kW  | 29A  | —                   | 73°      | 55°    | 36°     | 27°     | 10AWG                         |
| EX90T   | EE,ML,S,P,FS,DR      | 277V  | 9.0kW  | 33A  | —                   | 82°      | 61°    | 41°     | 31°     | 8AWG                          |
| EX100T  | EE,ML,S,P,FS,DR      | 277V  | 10.0kW | 36A  | —                   | 91°      | 68°    | 46°     | 34°     | 8AWG                          |

\* Units can be used at 208V with 25% reduced output and amperage.

## THERMOSTATIC TEMPERATURE CONTROL

### SPECIFICATION OPTIONS

- EE = (Emergency Eye Wash) to specify tepid water thermostatic units. Example: EX95TEE  
Flows greater than 3 GPM consult "Emergency Eye/Face and Drench Shower" specification sheet
- ML = (Multiple Lavs) .5 GPM x one, two or three handwash lavs, factory set temp 105° with .5 GPM turn on (5.5kW - 10kW)  
Example: EX95TML {includes one, two, or three .5 GPM aerators (EX61) note quantities}
- S = (Sanitation Setting) thermostat set to 180°. Example: EX95TS
- P = (Photo Setting) temperatures lower than 100°F. Example: EX95TP
- FS = (Factory Set) temperature ambient to 180° Example: EX95FS 105°
- DR = External temperature control, LED temperature display (see "Digital Readout" spec)

## SPECIFICATIONS:

Dimensions: 10.75"x5.25"x2.78"

Weight: 3 lbs.

Cover: ABS UL rated 94Vo.

Color: White

Standard temperature range 100°F-140°F

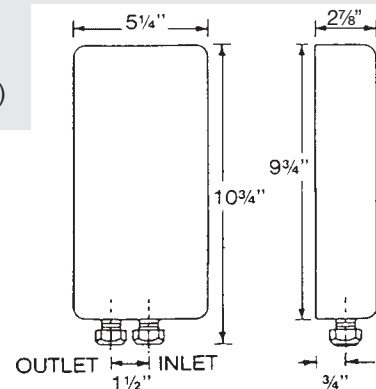
Element: Replaceable Ni Chrome cartridge insert

Fittings: 1/2" pipe compression fittings at bottom of unit. (5/8" OD)

Operating Pressure: min 25 PSI, max 150 PSI

UL Listed: E86887 (M)

U.S. Patent #'s: 4,762,980 and 4,960,976



### EEMAX SUBMITTAL

Engineer/Architect: \_\_\_\_\_  
 Job Name/Customer: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_  
 Representative: \_\_\_\_\_  
 HEATER SPECIFICATIONS:  
 Thermostatic Model # EX \_\_\_\_\_ T \_\_\_\_\_ Option \_\_\_\_\_ Quantity \_\_\_\_\_ kW \_\_\_\_\_ Voltage \_\_\_\_\_ AMPS \_\_\_\_\_ GPM \_\_\_\_\_

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