

# POINT-OF-USE WATER HEATERS

HEATING WATER FOR OVER 50 YEARS



**INSTANT-FLOW®  
 C-MICRO (CM SERIES)**  
 Low Activation - 0.20 gpm



**MINI TANK (CMT SERIES)**  
 1.3 to 6.0 Gallons



**BOXER® (ERB SERIES)**  
 2.6 to 30 gpm



**A. CHRONOMITE® - INSTANT-FLOW® MICRO**  
M SERIES TANKLESS WATER HEATER

**B. JAY R. SMITH MFG. CO.® - 5518**  
NARROW WALL, WARM CLIMATE HYDRANT, BOX  
TYPE, WITH CONCEALED HOSE CONNECTION

**C. ACORN ENGINEERING COMPANY® - 3702**  
TWO-STATION CURVED FRONT STAINLESS  
STEEL WASH BASIN

# CHRONOMITE<sup>®</sup>

## ELECTRIC TANKLESS WATER HEATERS






### HOT AND TEPID WATER WITH A SNAP OF A FINGER!

Since 1966, Chronomite Laboratories, Inc. has been the innovative leader in providing electric tankless water heaters. Chronomite Founder, Bob Russell, coined the word Chronomite, based on the Chronometer, a precise watch that keeps correct time despite environmental changes.

Bob envisioned the creation of a company that provides reliable electric tankless water heaters that supply endless hot or tepid water, saving space, energy, water and time.

Our customers come to us because we make sizing water heaters easier. We manufacture instantaneous electric tankless water heaters for mixed-use developments, retail, apartments, condos, institutions, schools, hospitals, hotels, hospitality, public hand washing and safety eye wash and shower equipment. Because it can be difficult, we make it easy. That is what we do.

### FEATURES AND BENEFITS

- Unlimited Hot Water
- Easy to Install
- Low installation costs
- No pressure and temperature relief valve
- Omni<sup>®</sup> faucet flow control & compression fittings included
- Saves Energy & Water
- 99% Energy Efficient
- Meets CALGreen requirements
- Virtually eliminates alkali calcification
- Uniquely designed element assembly, which allows flow through abrasive action of water and creates a self-cleaning feature, eliminating alkali calcification build-up
- Product Listings  
UL, CSA & HUD, IAPMO    
- ADA Compliant 
- Digital microprocessor technology
- Ultra-quick response times control hot water temperatures 120 times per second, eliminating the concern of scalding and the need for mixing valves (Instant-Flow<sup>®</sup> Micro<sup>™</sup>, C-Micro and Instant-Temp<sup>®</sup> heaters)
- Made in U.S.A.



# HEATING WATER OVER 50 YEARS

## POINT-OF-USE ELECTRIC TANKLESS WATER HEATERS 1.4 - 11 KW (12- 40 A)

**MODEL SR SERIES**  
INSTANT-FLOW® SR  
PAGE 8



**MODEL CM SERIES**  
INSTANT-FLOW® C-MICRO  
PAGE 12



**MODEL M SERIES**  
INSTANT-FLOW® MICRO  
PAGE 16



## LARGE CAPACITY ELECTRIC TANKLESS WATER HEATERS 10 - 154 KW (24 - 208 A)

**MODEL R SERIES**  
MIGHTY-mite®  
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**MODEL ER SERIES**  
TWINS™ & TRIPLETS™  
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# WATER FOR YEARS!

POINT-OF-USE ELECTRIC MINI-TANKS

## MODEL CMT SERIES

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## MODEL E SERIES INSTANT-TEMP®

PAGE 18



## MODEL ERB SERIES BOXER®

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### APPLICATIONS

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### TECHNICAL

HOW TO SELECT YOUR WATER HEATER &  
AVERAGE GROUND TEMPERATURE ..... PAGE 39

FLOW VS. POWER REQUIRED ..... PAGE 40

TEMPERATURE RISE & ENERGY EFFICIENCY ..... PAGE 41

# POINT-OF-USE ELECTRIC TANKLESS WATER HEATERS

## 1.4 - 10 KW (12 - 40 A)

### CHRONOMITE® ELECTRIC TANKLESS WATER HEATERS

- Provide a space-saving solution for all point-of-use under the counter sink & basin applications.
- Offer a light weight, compact size and steel construction for optimal vandal resistance.
  - Install quickly and stress-free – no pressure and temperature relief valve necessary!
- Operate only when hot water is needed, making them 99% energy efficient.

#### MODEL SR SERIES INSTANT-FLOW® SR

PAGE 8



#### MODEL CM SERIES INSTANT-FLOW® C-MICRO

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#### MODEL M SERIES INSTANT-FLOW® MICRO

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#### MODEL E SERIES INSTANT-TEMP®

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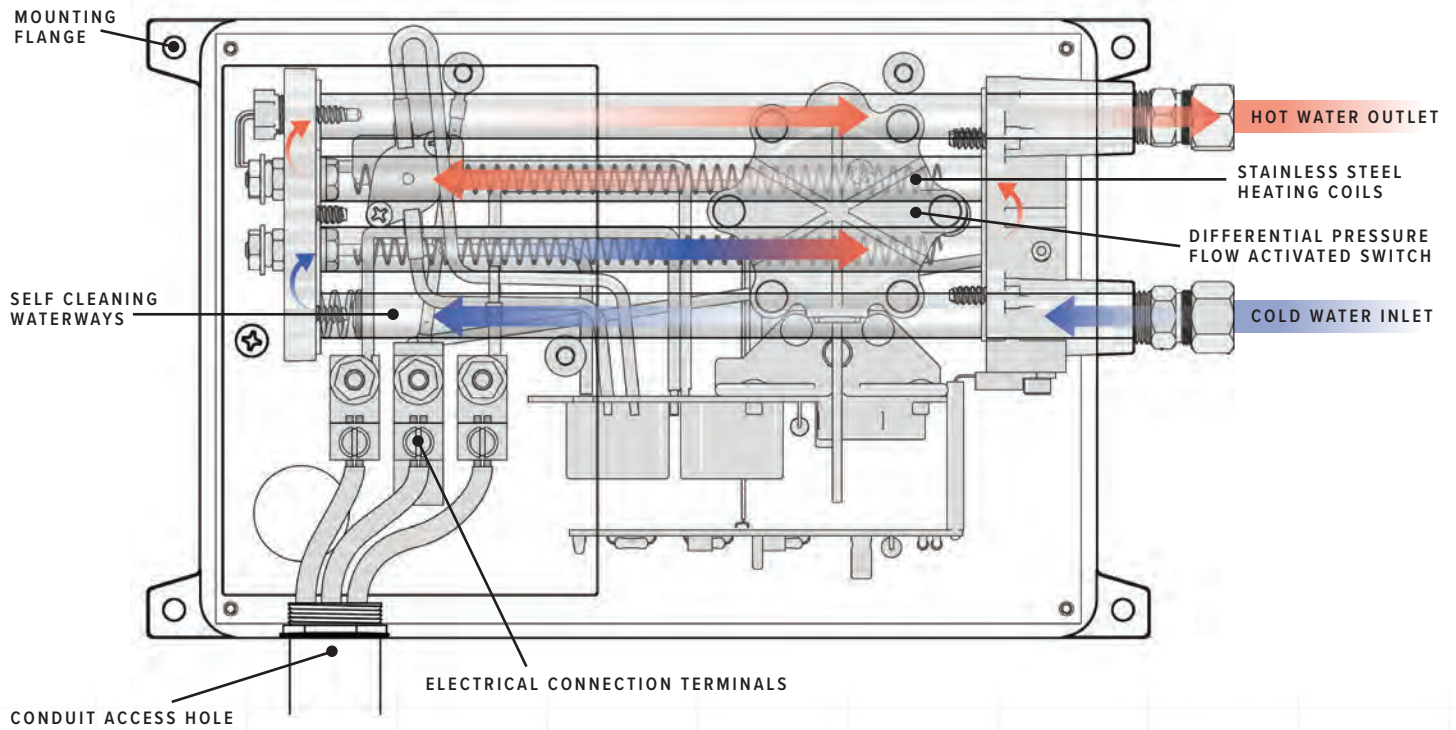


#### POINT-OF-USE ELECTRIC MINI-TANKS MODEL CMT SERIES

PAGE 20



# HOW IT WORKS



**A. CHRONOMITE® - INSTANT-FLOW® C-MICRO**  
CM SERIES TANKLESS WATER HEATER

**B. NEO-METRO® - 9153**  
SLAB EDGE WITH DYSON® AIRBLADE WASH+DRY



# INSTANT-FLOW<sup>®</sup> SR MODEL SR SERIES

## POINT-OF-USE ELECTRIC TANKLESS WATER HEATER



MODEL SR SERIES

INSTANT FLOW <sup>®</sup> - SR SERIES										
LOW FLOW						°F TEMPERATURE RISE @				
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS	90°C WIRE	0.35 GPM	0.5 GPM	1.0 GPM	1.5 GPM	2.0 GPM
SR-15L/120	0.35	120	1.80	15	14 AWG	35	25	12	8	6
SR-20L/120	0.35	120	2.40	20	12 AWG	47	31	16	11	8
SR-30L/120	0.35	120	3.60	30	10 AWG	70	49	25	16	12
SR-20L/208	0.35	208	4.16	20	12 AWG	81	57	28	19	14
SR-20L/240	0.35	240	4.80	20	12 AWG	90+	66	33	22	16
SR-15L/277	0.35	277	4.15	15	14 AWG	81	57	28	19	14
SR-20L/277	0.35	277	5.54	20	12 AWG	90+	76	38	25	19

INSTANT FLOW <sup>®</sup> - SR SERIES										
STANDARD FLOW						°F TEMPERATURE RISE @				
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS	90°C WIRE	0.65 GPM	1.0 GPM	1.5 GPM	2.0 GPM	
SR-30/208	0.65	208	6.24	30	10 AWG	66	41	28	21	
SR-40/208	0.65	208	8.32	40	8 AWG	87	57	38	28	
SR-30/240	0.65	240	7.20	30	10 AWG	76	49	33	25	
SR-40/240	0.65	240	9.60	40	8 AWG	90+	66	44	33	
SR-30/277	0.65	277	8.31	30	10 AWG	87	57	38	28	

Note : Local plumbing and electrical codes must be followed for this installation of the water heater and accessories.

## IDEAL APPLICATIONS

Manual handwashing faucets, kitchen sinks, bar sinks, utility sinks, and hand set showers.

Chronomite Instant-Flow® SR Low-Flow Electric Tankless Water Heaters are designed to provide reliable instant hot water when installed at the point of use. This instant electric tankless water heater is perfect for lavatories and sinks. It is ideal for two-handle and single-handle faucets and is the perfect under-the-sink water heater. The SR series is designed to provide a predetermined temperature rise to the incoming cold water and to increase the water outlet temperature by manually increasing/decreasing water flow.

Instant-Flow® SR Electric Water Heaters meet the ADA barrier-free requirements and are 99% energy efficient.

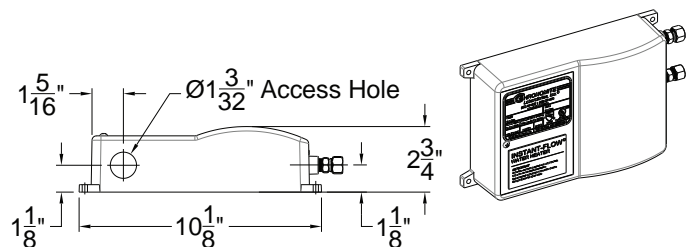
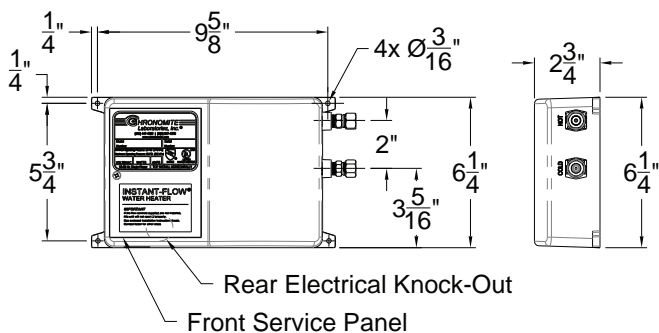
Chronomite Electric Tankless Water Heaters are the space-saving solution for point-of-use, under-the-counter sink and basin applications where instant hot water is needed. Chronomite Electric Tankless Water Heaters are designed to be lightweight, compact and are constructed with a durable metal housing for optimal vandal resistance. No pressure and temperature relief valves are needed (unless required by code), saving time and money on installation.

**FOR OPTIMAL PERFORMANCE, CHRONOMITE ELECTRIC TANKLESS WATER HEATERS SHOULD ALWAYS BE INSTALLED WITHIN 18 INCHES OF THE POINT OF USE.**

### CHRONOMITE INSTANT-FLOW® SR ELECTRIC TANKLESS WATER HEATER FEATURES

- 99% Energy Efficient
- Compact Size
- Easy to Install
- Low Installation Cost
- Unlimited Hot Water
- Meets ADA Requirements
- Optional Stainless Steel Housing

SUFFIX OPTION	DESCRIPTION
Standard housing	Aluminum
P	ABS Housing
SS	Satin Finish Stainless housing
SSP	Polished Stainless Housing
NPT08	1/2" Male NPT Connection
NPT12	3/4" Male NPT Connection - ABS only
2095-1	Disconnect Switch





# INSTANT-FLOW® SR PROVIDES INSTANT HOT WATER WHEN AND WHERE YOU NEED IT!

THESE UNITS ARE DESIGNED TO PROVIDE  
RELIABLE INSTANT HOT WATER WHEN  
INSTALLED AT THE POINT OF USE.

A

B

C

**A. CHRONOMITE® - INSTANT-FLOW® SR SERIES**  
TANKLESS WATER HEATER

**B. JAY R. SMITH MFG. CO.® - 9646 / 9646-S**  
GENERAL PURPOSE FLOOR CLEANOUT 6"(150)  
ROUND & 6 1/2"(165) SQUARE

**C. LARSEN'S® MFG CO - SS2712 -WC-6L**  
ARCHITECTURAL SERIES CABINET  
WET CHEMICAL FIRE EXTINGUISHER -  
6 LITER CAPACITY



# INSTANT-FLOW<sup>®</sup> C-MICRO MODEL CM SERIES

POINT-OF-USE ELECTRIC TANKLESS WATER HEATER  
WITH 0.20 GPM ACTIVATION FLOW RATE



MODEL CM SERIES

INSTANT FLOW <sup>®</sup> - MICRO <sup>™</sup> CM SERIES										
LOW FLOW						°F TEMPERATURE RISE @				
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS	90°C WIRE	0.35 GPM	0.5 GPM	1.0 GPM	1.5 GPM	2.0 GPM
CM-12L/120	0.20	120	1.44	12	14 AWG	28	20	---	---	---
CM-15L/120	0.20	120	1.80	15	14 AWG	35	25	---	---	---
CM-20L/120	0.20	120	2.40	20	12 AWG	47	33	---	---	---
CM-30L/120	0.20	120	3.60	30	10 AWG	70	49	25	---	---
CM-12L/208	0.20	208	2.50	12	14 AWG	49	34	---	---	---
CM-15L/208	0.20	208	3.12	15	14 AWG	61	43	21	---	---
CM-20L/208	0.20	208	4.16	20	12 AWG	81	57	28	---	---
CM-30L/208	0.20	208	6.24	30	10 AWG	90+	85	43	28	21
CM-40L/208	0.20	208	8.32	40	8 AWG	90+	90+	57	38	28
CM-12L/240	0.20	240	2.88	12	14 AWG	56	39	20	---	---
CM-15L/240	0.20	240	3.60	15	14 AWG	70	49	25	---	---
CM-20L/240	0.20	240	4.80	20	12 AWG	90+	66	33	22	---
CM-30L/240	0.20	240	7.20	30	10 AWG	90+	90+	49	33	25
CM-40L/240	0.20	240	9.60	40	8 AWG	90+	90+	66	44	33
CM-12L/277	0.20	277	3.32	12	14 AWG	65	45	23	---	---
CM-15L/277	0.20	277	4.15	15	14 AWG	81	57	28	---	---
CM-20L/277	0.20	277	5.54	20	12 AWG	90+	76	38	25	---
CM-30L/277	0.20	277	8.31	30	10 AWG	90+	90+	57	38	28

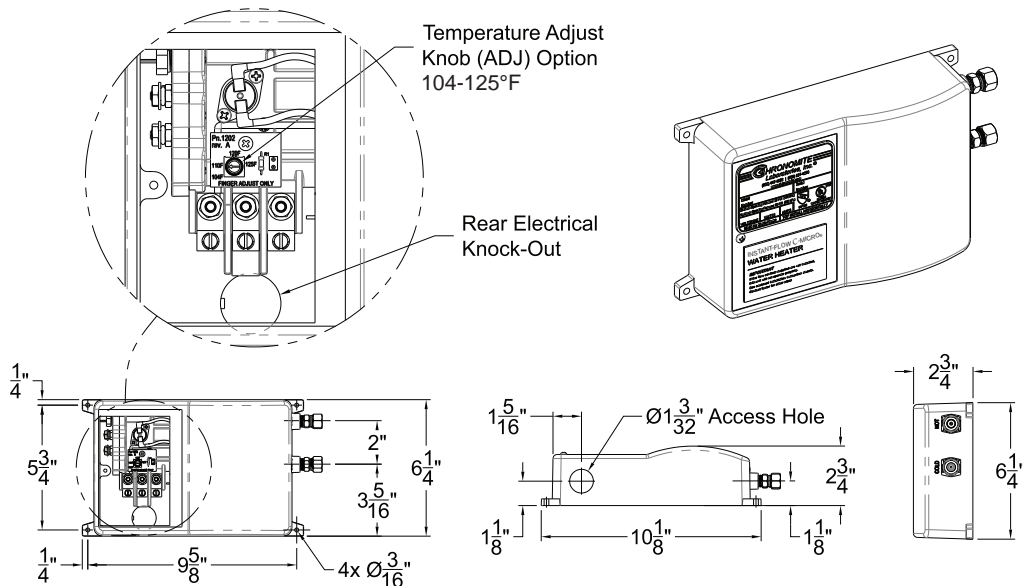
Notes: + = Above 90 Degrees  
 All heaters limited to factory set max temperature  
 Local plumbing and electrical codes must be followed for this installation of the water heater and accessories.  
 Factory preset temperatures available at 104°F, 110°F, 120°F / Optional - (ADJ) Field Adjustable temperature available 104°F -125°F.

## IDEAL APPLICATIONS

Manual, metering, or sensor hand washing faucets; dual hand washing sinks; kitchen sinks; bar sinks; utility sinks; hand set showers; water saver showers; dishwashers; and washing machines.

Chronomite CM Series Instant-Flow<sup>®</sup> C-Micro Low Activation models are manufactured to provide reliable electric point-of-use hot water. The heater activates at an ultra-low flow rate of 0.20 Gallons (0.75 Liters) per minute.

SUFFIX OPTION	DESCRIPTION
Standard housing	Aluminum
P	ABS Housing
SS	Satin Finish Stainless housing
SSP	Polished Stainless Housing
NPT08	1/2" Male NPT Connection
ADJ	Field Adjustable Temperature
2095-1	Disconnect Switch



## FEATURES AND BENEFITS:

- Meets CAL GREEN low flow requirements—operates on low flow activation faucets - 0.2 GPM.
- Meets LEED v4 low flow requirements (lower than 0.4 gallons or 1.5 liter per minute).
- Digital microprocessor technology.
- Endless hot water.
- Saves water and energy—activation at 0.2 GPM is 99% energy efficient.
- Saves space – smallest foot print – 6-1/4" (H) x 9-5/8" (W) X 2-3/4" (D).
- 50% more energy efficient than traditional heaters—immediate response to changes in incoming water temperatures, pressures, and flow rate.
- Maintains consistent water temperature—regulates water temperature 120 times per second.
- Eliminates scalding—preset factory temperature with no mixing valves required.
- Rugged, vandal-resistant cast aluminum housing (standard).
- Faucet flow controls are supplied with each unit. 3/8" compression fittings are supplied (standard). Minimum operating/activation flow rate: 0.20 gallons (0.75 liters). Per minute wattage: 1.44 to 9.60 kilowatt range (depending on model).
- Ideal applications include: Commercial, Industrial, and Residential single and double lavatories; Sensor and Manual faucets, Kitchen/Bar sinks
- Ideal for sensor/hands-free faucets with the 104°F (40°C) antiscald, 110°F ADA, and 120°F Health code—factory preset setting; no mixing valve needed.
- Optional temperature adjustment dial—ADJ option. (104-125°F)



# INSTANT-FLOW® C-MICRO PACKS A LARGE PUNCH WITH A SMALL FOOTPRINT.

THE LOWEST (0.20 GPM) ACTIVATION IN THE INDUSTRY. EACH UNIT SAVES VALUABLE SPACE BY REMAINING INCONSPICUOUS IN PLACEMENT UNDER SINKS AND COUNTERTOPS.



**THE SPACE-SAVING DESIGN MEASURES AT:  
6 1/4"(H) X 9 5/8"(W) X 2 3/4"(D)**

Underneath a durable, vandal-resistant metal housing, internal nichrome heating coils and digital microprocessor technology provide ultra-quick response times for temperature variations at 120 times per second!





# INSTANT-FLOW<sup>®</sup> MICRO MODEL M SERIES

## POINT-OF-USE ELECTRIC TANKLESS WATER HEATER



MODEL M SERIES

### INSTANT FLOW<sup>®</sup> - MICRO<sup>™</sup> M SERIES

LOW FLOW						°F TEMPERATURE RISE @				
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	90°C WIRE	0.35 GPM	0.5 GPM	1.0 GPM	1.5 GPM	2.0 GPM
M-20L/120	0.35	120	2.40	20	12 AWG	47	33	---	---	---
M-30L/120	0.35	120	3.60	30	10 AWG	70	49	25	---	---
M-20L/208	0.35	208	4.16	20	12 AWG	81	57	28	---	---
M-30L/208	0.35	208	6.24	30	10 AWG	90 +	85	43	28	21
M-40L/208	0.35	208	8.32	40	8 AWG	90 +	90 +	57	38	28
M-20L/240	0.35	240	4.80	20	12 AWG	91 +	66	33	22	---
M-30L/240	0.35	240	7.20	30	10 AWG	90 +	90 +	49	33	25
M-40L/240	0.35	240	9.60	40	8 AWG	90 +	90 +	66	44	33
M-15L/277	0.35	277	4.15	15	14 AWG	81	57	28	---	---
M-20L/277	0.35	277	5.54	20	12 AWG	90 +	76	38	25	---
M-30L/277	0.35	277	8.31	30	10 AWG	90 +	90 +	57	38	28

### INSTANT FLOW<sup>®</sup> - MICRO<sup>™</sup> M SERIES

STANDARD FLOW						°F TEMPERATURE RISE @			
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	90°C WIRE	0.65 GPM	1.0 GPM	1.5 GPM	2.0 GPM
M-30/208	0.65	208	6.24	30	10 AWG	66	43	28	21
M-40/208	0.65	208	8.32	40	8 AWG	87	57	38	28
M-30/240	0.65	240	7.20	30	10 AWG	76	49	33	25
M-40/240	0.65	240	9.60	40	8 AWG	90 +	66	44	33
M-30/277	0.65	277	8.31	30	10 AWG	87	57	38	28
M-40/277	0.65	277	11.08	40	8 AWG	90 +	76	50	38

Note : Wire size based on national electric code - All wire must be sized based on licensed electrician per the local code  
 Note: Factory temperature settings available - (ADJ) Field Adjustable temperature available 104 -125 degrees.  
 Note: For Sanitation optional max factory setting of 140 degrees available

## IDEAL APPLICATIONS

Manual, metering, or sensor hand washing faucets; dual hand washing sinks; kitchen sinks; bar sinks; utility sinks; hand set showers; water saver showers; washing machines; dishwashers; and emergency eyewashes.

The Instant-Flow® Micro instantaneous water heater features a factory preset temperature using digital microprocessor technology. This instant-water heater responds to fluctuations in incoming water temperature, pressure, and flow rate regulating the water temp over 100 times per second. This eliminates the concern of scalding as well as the need for mixing valves. It offers the same compact size, easy installation, and unlimited hot water as heaters without microprocessors, while offering up to 50% more energy efficiency. The Instant-Flow® Micro is great for lavatories, sinks, and numerous other special applications.

### CHRONOMITE INSTANT-FLOW® MICRO ELECTRIC TANKLESS WATER HEATER FEATURES

- Factory Preset Temperature
- 99% Energy Efficient
- Compact Size
- Easy to Install
- Low Installation Cost
- Unlimited Hot Water
- Meets ADA Requirements
- Made in the USA
- Optional Stainless Steel Housing
- Optional Plastic Housing

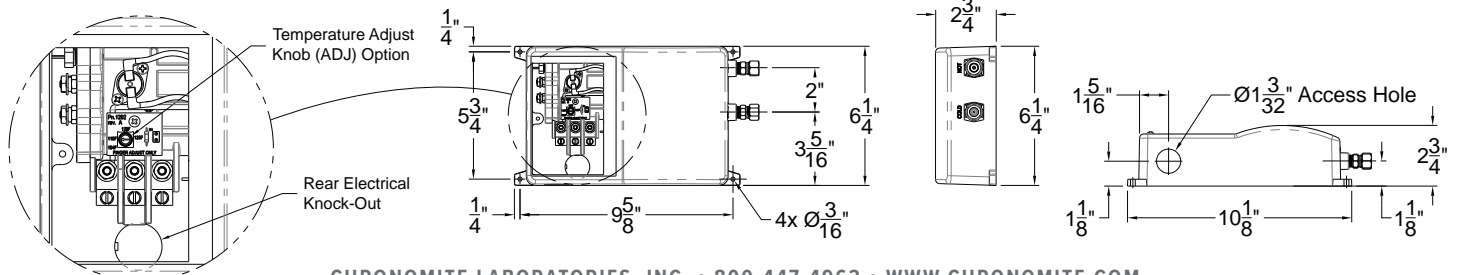


The M-MM Series Instant Flow® Micro-Mix® combines any Chronomite IAPMO certified microprocessor instantaneous water heater and the Chronomite IAPMO certified mixing valve assembly, AP-12. When installed per the instructions, this combination complies with ASSE 1070.

### FEATURES AND BENEFITS:

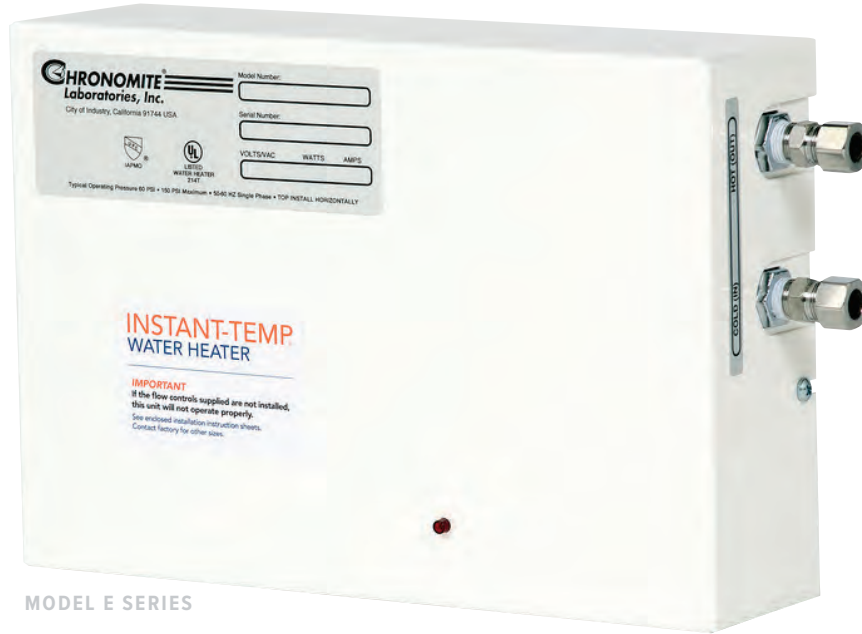
- Uses a digital microprocessor for temperature control. Ultra-quick response times for temperature variations -120 times per second. Microprocessor use is the most energy efficient means of heating water
- Unlimited hot water
- Ideal for sensor /hands-free faucets
- Saves water and energy - 99% energy efficient
- Meet all CAL GREEN low flow requirements
- Rugged, vandal-resistant cast aluminum housing
- Space saving compact size: 6-1/4" (H) x 9-5/8" x 2-3/4"
- Meets applicable building codes including: ADA, UL, IAPMO, UPC, CSA
- Environmentally friendly
- Made in the U.S.A
- Optional temperature adjustment dial—ADJ option. (104-125°F).

SUFFIX OPTION	DESCRIPTION
Standard housing	Aluminum
P	ABS Housing
SS	Satin Finish Stainless housing
SSP	Polished Stainless Housing
NPT08	1/2" Male NPT Connection
NPT12	3/4" Male NPT Connection - ABS only
ADJ	Field Adjustable Temperature
MM	Chronomite IAPMO certified mixing valve assembly, AP 12. ASSE 1070 certified thermostatic mixing valve (factory set at 104 degrees)
2095-1	Disconnect Switch



# INSTANT-TEMP® WATER HEATER MODEL E SERIES

## POINT-OF-USE ELECTRIC TANKLESS WATER HEATER



MODEL E SERIES

INSTANT TEMP® - E SERIES										
LOW FLOW						°F TEMPERATURE RISE @				
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	90°C WIRE	0.35 GPM	0.5 GPM	1.0 GPM	1.5 GPM	2.0 GPM
E-46L/208	0.35	208	4.60	22	10 AWG	90	63	31	21	---
E-60L/208	0.35	208	6.00	29	10 AWG	90 +	82	41	27	20
E-70L/208	0.35	208	7.00	34	8 AWG	90 +	90 +	48	32	24
E-80L/208	0.35	208	8.00	38	8 AWG	90 +	90 +	55	36	27
E-46L/240	0.35	240	4.60	19	12 AWG	90	63	31	21	---
E-60L/240	0.35	240	6.00	25	10 AWG	90 +	82	41	27	20
E-70L/240	0.35	240	7.00	29	10 AWG	90 +	90 +	48	32	24
E-80L/240	0.35	240	8.00	33	8 AWG	90 +	90 +	55	36	27
E-90L/240	0.35	240	9.00	38	8 AWG	90 +	90 +	61	41	31
E-46L/277	0.35	277	4.60	17	12 AWG	90	63	31	21	---
E-60L/277	0.35	277	6.00	22	10 AWG	90 +	82	41	27	20
E-70L/277	0.35	277	7.00	25	10 AWG	90 +	90 +	48	32	24
E-80L/277	0.35	277	8.00	29	10 AWG	90 +	90 +	55	36	27
E-90L/277	0.35	277	9.00	32	8 AWG	90 +	90 +	61	41	31

Note : Wire size based on national electric code - All wire must be sized based on licensed electrician per the local code  
 Note: Factory temperature settings available - (ADJ) Field Adjustable temperature available 104 -125 degrees.  
 Note: For Sanitation optional max factory setting of 140 degrees available



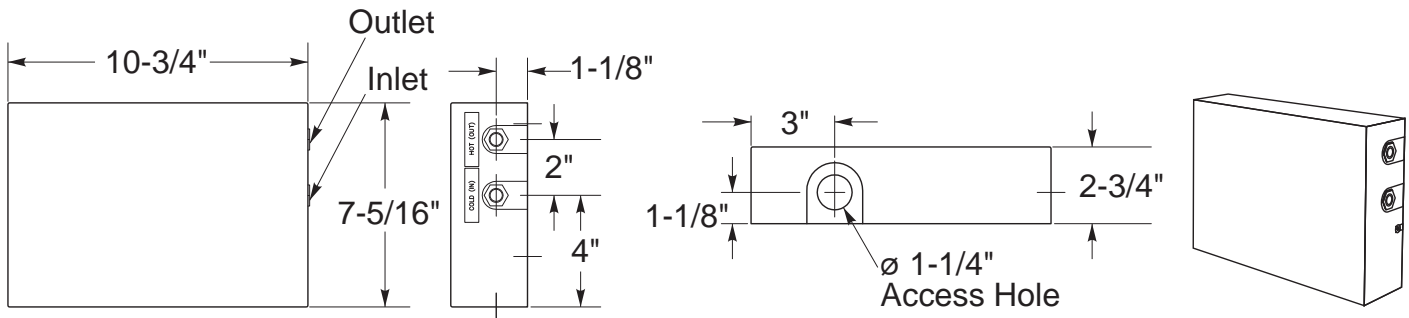
## IDEAL APPLICATIONS

Manual, metering, or sensor hand washing faucets; dual hand washing sinks; kitchen sinks; bar sinks; utility sinks; hand set showers; water saver showers; washing machines; dishwashers; and emergency eyewashes.

### CHRONOMITE INSTANT-TEMP® ELECTRIC TANKLESS WATER HEATER FEATURES

- External Digital Temperature Selection (OPTIONAL)
- 98% Energy Efficient
- Compact Size
- Easy to Install
- Low Installation Cost
- Unlimited Hot Water
- Meets ADA Requirements
- Made in the USA
- Optional Stainless Steel Housing

SUFFIX OPTION	DESCRIPTION
Standard Housing	Rugged Steel
SS	Satin Finish Stainless housing
SSP	Polished Stainless Housing
R	Digital Temperature Remote
DI	De-Ionized (Header only)
2095-1	Disconnect Switch
EW	Eye Wash Model Factory Preset 84°F E-80+E-90 models



### INSTANT TEMP® - E SERIES

#### STANDARD FLOW

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	90°C WIRE	°F TEMPERATURE RISE @			
						0.65 GPM	1.0 GPM	1.5 GPM	2.0 GPM
E-46S/208	0.65	208	4.60	22	10 AWG	48	31	21	---
E-60S/208	0.65	208	6.00	29	10 AWG	63	41	27	20
E-70S/208	0.65	208	7.00	34	8 AWG	74	48	32	24
E-80S/208	0.65	208	8.00	38	8 AWG	84	55	36	27
E-46S/240	0.65	240	4.60	19	12 AWG	48	31	21	---
E-60S/240	0.65	240	6.00	25	10 AWG	63	41	27	20
E-70S/240	0.65	240	7.00	29	10 AWG	74	48	32	24
E-80S/240	0.65	240	8.00	33	8 AWG	84	55	36	27
E-90S/240	0.65	240	9.00	38	8 AWG	90 +	61	41	31
E-46S/277	0.65	277	4.60	17	12 AWG	48	31	21	---
E-60S/277	0.65	277	6.00	22	10 AWG	63	41	27	20
E-70S/277	0.65	277	7.00	25	10 AWG	74	48	32	24
E-80S/277	0.65	277	8.00	29	10 AWG	84	55	36	27
E-90S/277	0.65	277	9.00	32	8 AWG	90 +	61	41	31

Note: Wire size based on national electric code - All wire must be sized based on licensed electrician per the local code  
 Note: Factory temperature settings available - (ADJ) Field Adjustable temperature available 104 -125 degrees.  
 Note: For Sanitation optional max factory setting of 140 degrees available

# MINI TANK WATER HEATER MODEL CMT SERIES

## POINT-OF-USE ELECTRIC MINI TANKS



CMT-1.3

CMT-2.5

CMT-4.0

CMT-6.0

### INSTANT FLOW® - CMT SERIES

CHRONOMITE	VOLTS	KW	AMPS	WIRE	PLUG IN READY	CAPACITY	DIMENSIONS	WEIGHT
CMT-1.3	110/120	1.4	12	14 AWG	yes	1.3 Gallons	13.5" H X 11.75" W X 10" D	15lbs.
CMT-2.5	110/120	1.4	12	14 AWG	yes	2.5 Gallons	15.5" H X 11.75" W X 10.375" D	18 lbs.
CMT -4.0	110/120	1.4	12	14 AWG	yes	4 gallons	20.25" H X 11.75" W X 10.375" D	22 lbs.
CMT-6.0	110/120	1.4	12	14 AWG	yes	6 gallons	23" H X 15.75" W X 15.5" D	26l bs.

### TECHNICAL DATA

		CMT-1.3	CMT-2.5	CMT-4.0	CMT-6.0
Capacity	Gallons	1.3	2.5	4.0	6.0
Voltage	Vac	110-120			
Power at 120 Vac	Watts	1440			
Max. Water Pressure	psi	150			
Max. Operating Water Pressure	psi	80			
Weight (empty)	lbs.	15	18	22	26
Amperage	Amps.	12			
Water Connection	Inches	1/2 NPT			
Temperature Range	°F	50 - 140			



## IDEAL APPLICATIONS

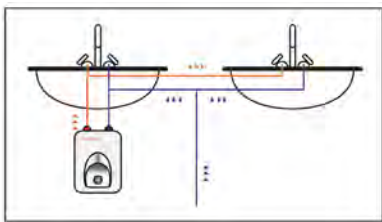
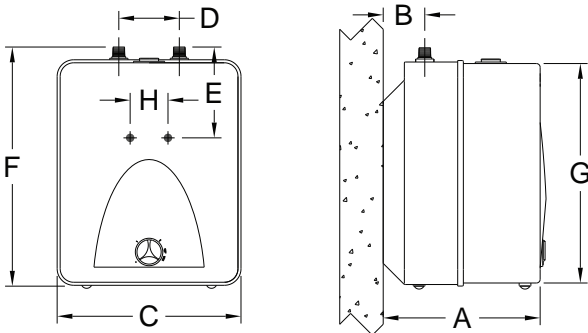
Manual, metering, or sensor handwashing faucets; dual hand washing sinks; kitchen sinks; bar sinks; utility sinks; and hand set showers

The Chronomite CMT Series point-of-use electric Mini Tanks are an everyday, eco-friendly and cost-effective solution to most under the counter, point-of-use applications requiring hot water.

Mini Tanks are designed to supply hot water for all bathrooms, hand washing stations and kitchen sinks in residential, commercial and industrial applications.

Install the Chronomite CMT Series to eliminate the wait for hot water and reduce waste of water at the same time. Chronomite Mini Tank water heaters are lightweight, compact, manufactured for easy installation and designed to be mounted on the wall or vertically on the floor.

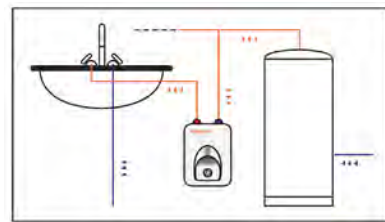
Chronomite CMT Series point-of-use electric Mini Tanks are supplied with cold water or in-line at point-of-use close to a sink.



**INDEPENDENT** - Use a Chronomite Electric Mini Tank Water Heater at the point of use for sinks that do not have hot water. Install the Chronomite Mini Tank close to the point of use, so hot water is delivered quickly. Plumb to one sink or multiple sinks in the same area.

## CHRONOMITE MINI TANK WATER HEATER FEATURES AND BENEFITS

- Pressure/Temperature relief valve included
- Inlet/Outlet clearly marked for easy installation
- Mounting hardware included. (wall or floor)
- Temperature sensor shuts off the unit when it is above the 140°F limit
- CFC-Free high density foam insulation
- Stainless steel sheathed heating element
- Adjustable thermostat allows adjustment from 50-140°F
- 120V plug works with any standard outlet—no additional wiring needed



**IN-LINE** - Connection at the point of use eliminates the long wait for hot water from the central tank type of water heater. Plumb in-line with the central water heater. The Mini Tank is filled with hot water from the central water heater, conserving water and energy.

# LARGE CAPACITY ELECTRIC TANKLESS WATER HEATERS

## 10 - 154 KW (24 - 208 A)

Chronomite's Large Capacity Electric Tankless Water Heaters provide reliable, instantaneous hot water at the point of use or centralized location. The digital microprocessor provides ultra-quick response time, controlling hot water temperatures 120 x per second and eliminating scalding concerns and the need for mixing valves.



**MIGHTY-MITE®**  
MODEL R SERIES  
PAGE 24

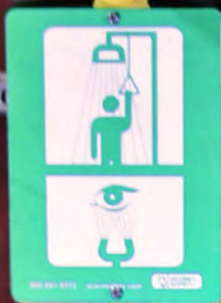


**TWINS™ & TRIPLETS™**  
MODEL ER SERIES  
PAGE 28



**BOXER®**  
MODEL ERB SERIES  
PAGE 32





TURN ON  
WATER  
BEFORE EACH USE

RETURN  
FACE SHIELD  
HERE AFTER  
EACH USE



**ATTENTION**  
FACE SHIELD MUST  
BE WASHED WITH  
DISINFECTANT

RETURN BATTERY  
CHANGING TRUCK  
TO THIS LOCATION  
WHEN NOT IN USE



ACID  
USE  
BATTERIES

SAFETY  
INSPECTION

ACORN SAFETY® - S1320  
PLASTIC HEAD PEDESTAL SHOWER  
WITH PLASTIC BOWL EYE/FACE WASH

DOWNLOADED FROM THE SAFETY WEBSITE

10 - 20.7 KW

# MIGHTY-MITE® MODEL R SERIES

## LARGE CAPACITY ELECTRIC TANKLESS WATER HEATERS



MODEL R SERIES

LARGE CAPACITY ELECTRIC TANKLESS WATER HEATERS



## IDEAL APPLICATIONS

Manual, metering, or sensor handwashing faucets; dual hand washing sinks; kitchen sinks; bar sinks; utility sinks; water saving showers; standard showers; dishwashers; washing machines; mop sinks; bathtubs; emergency eye washes; and emergency eye/face washes.

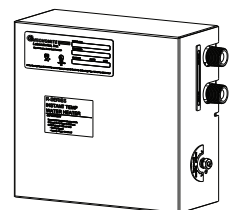
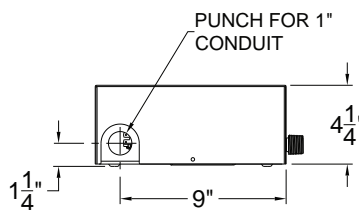
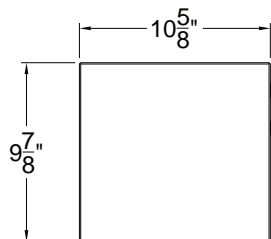
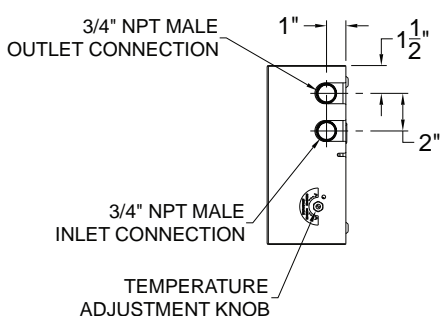
## CHRONOMITE MIGHTY-MITE® WATER HEATER FEATURES

- Ultra-quick response times control hot water temperatures 120 times per second, eliminating the concern of scalding and the need for mixing valves
- Ideal for hybrid, only uses energy when extending the capacity of your existing tank, allowing you to use smaller tanks and conserving energy
- Handles high flow situations with 5 GPM capacity
- Unlimited hot water
- Saves water and energy - 99% energy efficient
- Offered in several activations. Low = 0.35 GPM, Standard = 0.65 GPM and High = 1.8 GPM (safety equipment)
- Rugged steel housing
- Space saving compact size: 9-3/4" (H) x 10-1/2" x 4-1/4"
- Meets ANSI Z358.1 for tepid water
- Meets applicable building codes including ADA, UL, IAPMO and UPC
- Environmentally friendly
- Made in the USA
- Optional electrical disconnect switch available
- 1.8 GPM high activation for Eyewash /facewash applications with tamper-proof (non-adjustable) 84 degree tepid water setting

## HIGH ACTIVATION

- Meets ANSI Z358.1 for tepid water
- Ideal for eye wash, eye/face wash stations
- 84°F factory preset temperature

SUFFIX OPTION	DESCRIPTION
Standard Housing	Rugged Steel
SS	Satin Finish Stainless housing
2094-4	Disconnect Switch





# MIGHTY-MITE® TANKLESS WATER HEATER

## MODEL R SERIES | CHARTS

MIGHTY-MITE® - R SERIES												
LOW ACTIVATION FLOW RANGE .35 - 5.0 GPM						°F TEMPERATURE RISE @						
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	0.5 GPM	1.0 GPM	1.5 GPM	2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM
R-48L/208	0.35	208	10.00	48	6 AWG	90 +	68	46	34	23	---	---
R-58L/208	0.35	208	12.05	58	6 AWG	90 +	82	55	41	27	21	---
R-63L/208	0.35	208	13.10	63	4 AWG	90 +	89	60	45	30	22	---
R-68L/208	0.35	208	14.15	68	4 AWG	90 +	97	64	48	32	24	---
R-75L/208	0.35	208	15.60	75	4 AWG	90 +	90 +	71	53	36	27	21
R-48L/240	0.35	240	11.50	48	6 AWG	90 +	79	52	39	26	20	---
R-58L/240	0.35	240	13.90	58	6 AWG	90 +	90 +	63	47	32	24	---
R-63L/240	0.35	240	15.10	63	4 AWG	90 +	90 +	69	52	34	26	21
R-68L/240	0.35	240	16.30	68	4 AWG	90 +	90 +	74	56	37	28	22
R-75L/240	0.35	240	18.00	75	4 AWG	90 +	90 +	82	61	41	31	25
R-48L/277	0.35	277	13.30	48	6 AWG	90 +	90 +	61	45	30	23	---
R-58L/277	0.35	277	16.05	58	6 AWG	90 +	90 +	73	55	37	27	22
R-63L/277	0.35	277	17.45	63	4 AWG	90 +	90 +	79	60	40	30	24
R-68L/277	0.35	277	18.85	68	4 AWG	90 +	90 +	86	64	43	32	26
R-75L/277	0.35	277	20.75	75	4 AWG	90 +	90 +	90 +	71	47	35	28

MIGHTY-MITE® - R SERIES												
STANDARD ACTIVATION FLOW RANGE .65 - 5.0 GPM						°F TEMPERATURE RISE @						
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	0.65 GPM	1.0 GPM	1.5 GPM	2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM
R-48S/208	0.65	208	10.00	48	6 AWG	90 +	68	46	34	23	---	---
R-58S/208	0.65	208	12.05	58	6 AWG	90 +	82	55	41	27	21	---
R-63S/208	0.65	208	13.10	63	4 AWG	90 +	89	60	45	30	22	---
R-68S/208	0.65	208	14.15	68	4 AWG	90 +	90 +	64	48	32	24	---
R-75S/208	0.65	208	15.60	75	4 AWG	90 +	90 +	71	53	36	27	21
R-48S/240	0.65	240	11.50	48	6 AWG	90 +	79	52	39	26	20	---
R-58S/240	0.65	240	13.90	58	6 AWG	90 +	90 +	63	47	32	24	---
R-63S/240	0.65	240	15.10	63	4 AWG	90 +	90 +	69	52	34	26	21
R-68S/240	0.65	240	16.30	68	4 AWG	90 +	90 +	74	56	37	28	22
R-75S/240	0.65	240	18.00	75	4 AWG	90 +	90 +	82	61	41	31	25
R-48S/277	0.65	277	13.30	48	6 AWG	90 +	90 +	61	45	30	23	---
R-58S/277	0.65	277	16.05	58	6 AWG	90 +	90 +	73	55	37	27	22
R-63S/277	0.65	277	17.45	63	4 AWG	90 +	90 +	79	60	40	30	24
R-68S/277	0.65	277	18.85	68	4 AWG	90 +	90 +	86	64	43	32	26
R-75S/277	0.65	277	20.75	75	4 AWG	90 +	90 +	90 +	71	47	35	28

Note : Local plumbing and electrical codes must be followed for the installation of the water heater and accessories.  
 Note: Field Adjustable Temperature 70F° -125F° / Other Factory temperature settings available between 90 F°-160F°

## MIGHTY-MITE® - R SERIES

### HIGH ACTIVATION FLOW RANGE 1.8- 5.0 GPM

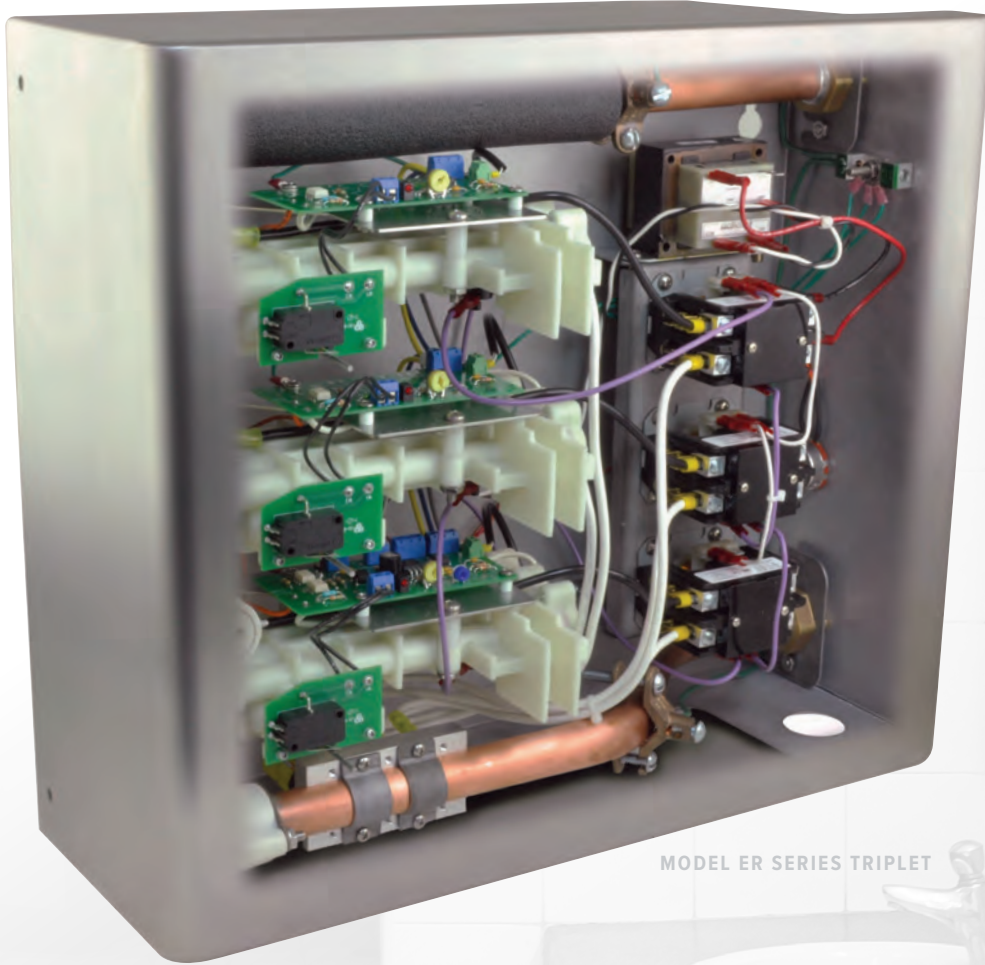
### °F TEMPERATURE RISE @

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	1.8 GPM	2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM	4.0 GPM	5.0 GPM
R-48H/208	1.8	208	10.00	48	6 AWG	38	34	23	17	14	17	14
R-58H/208	1.8	208	12.05	58	6 AWG	46	41	27	21	16	21	17
R-63H/208	1.8	208	13.10	63	4 AWG	50	45	30	22	18	22	18
R-68H/208	1.8	208	14.15	68	4 AWG	54	48	32	24	19	24	19
R-75H/208	1.8	208	15.60	75	4 AWG	59	53	36	27	21	27	22
R-48H/240	1.8	240	11.50	48	6 AWG	44	39	26	20	16	20	16
R-58H/240	1.8	240	13.90	58	6 AWG	53	47	32	24	19	24	19
R-63H/240	1.8	240	15.10	63	4 AWG	57	52	34	26	21	26	21
R-68H/240	1.8	240	16.30	68	4 AWG	62	56	37	28	22	28	23
R-75H/240	1.8	240	18.00	75	4 AWG	68	61	41	31	25	31	25
R-48H/277	1.8	277	13.30	48	6 AWG	50	45	30	23	18	23	19
R-58H/277	1.8	277	16.05	58	6 AWG	61	55	37	27	22	27	22
R-63H/277	1.8	277	17.45	63	4 AWG	66	60	40	30	24	30	24
R-68H/277	1.8	277	18.85	68	4 AWG	72	64	43	32	26	32	26
R-75H/277	1.8	277	20.75	75	4 AWG	79	71	47	35	28	35	28

Note : Local plumbing and electrical codes must be followed for the installation of the water heater and accessories.  
 Note: Factory temperature preset at 84°F - No Field Adjustable temperature available

# TWINS™ & TRIPLETS™ MODEL ER SERIES

LARGE CAPACITY ELECTRIC TANKLESS WATER HEATERS



MODEL ER SERIES TRIPLET

Chronomite large capacity electric tankless water heaters are designed in multiple activations.

- Low activation for multiple hand washing sink stations, showers and public lavatories.
- Standard activation for mop sinks, service sinks, utility sinks and showers.
- High activation is designed for emergency eye washes and eye/face wash stations.
- Also ideal for a variety of commercial and industrial applications and tank heating.
- Reliable instantaneous hot water at the point of use or in a centralized location.



## IDEAL APPLICATIONS

Manual, metering, or sensor handwashing faucets; group hand washing sinks; kitchen sinks; bar sinks; utility sinks; water saving showers; standard showers; dishwashers; washing machines; mop sinks; bathtubs; emergency eye washes; and emergency eye/face washes.

### CHRONOMITE TWINS™ & TRIPLETS™ WATER HEATER FEATURES

- Ultra-quick response times control hot water temperatures 120 times per second, eliminating the concern of scalding and the need for mixing valves
- Unlimited hot water
- Saves water and energy - 99% energy efficient
- Works on low flow
- Rugged steel housing (standard)
- Space saving compact size: 15-3/8" x 17-5/8" x 6-1/4"
- Meets applicable building codes including: UL, UPC
- Environmentally friendly
- Made in the U.S.A.
- No Pressure and Temperature Relief Valve needed
- Optional Electric Disconnect Switch available.
- Works on low flow applications 0.35 Gallons per minute
- Ideal for automatic sensor faucets/hands free faucets with 104°F preset temperature; no mixing valve needed
- User adjustable temperature 70–125°F (standard)
- Optional factory preset temperature available, select temperature between 90–160°F
- Multiple applications handled simultaneously with one water heater

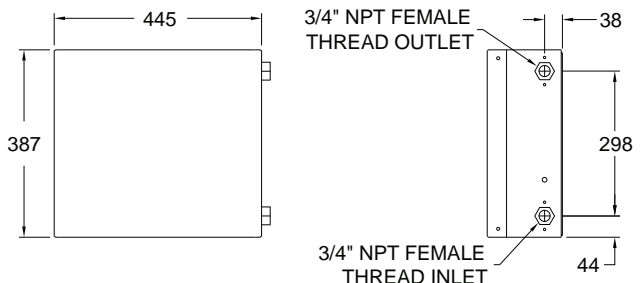
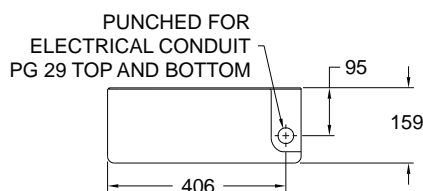
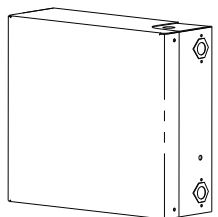
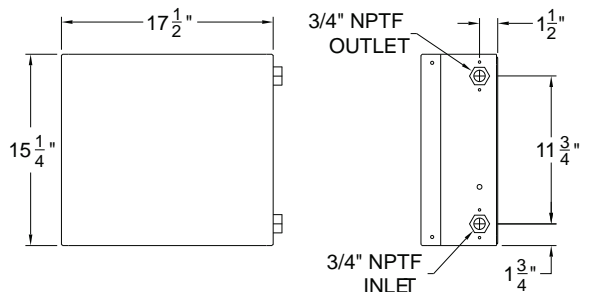
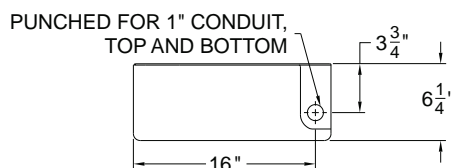
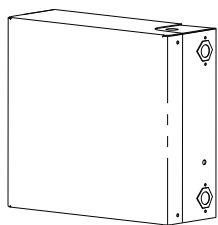
### STANDARD ACTIVATION

- TWINS™ 0.8 gpm and TRIPLETS™ 1.2 gpm
- User adjustable temperature 70–125°F (standard)
- Optional factory preset temperature available, select single temperature between 90–160°F
- Flow friendly minimum pressure drop of 18.5 PSID at 6 gallons per minute/gpm
- Multiple applications handled simultaneously with one heater

### HIGH ACTIVATION

- Meets ANSI Z358.1 for tepid water
- Ideal for eye wash, eye/face wash stations
- 84°F factory preset temperature

SUFFIX OPTION	DESCRIPTION
Standard Housing	Rugged Steel
SS	Satin Finish Stainless housing
N4	Nema 4 Cabinet
N4X	Stainless Steel Enclosure
DI	De-ionized
2095-3	Disconnect Switch



# TWINS™ & TRIPLETS™ TANKLESS WATER HEATER

## MODEL ER SERIES | CHARTS

### TWINS™ ER SERIES - SINGLE PHASE

#### TWINS - LOW ACTIVATION / FLOW RANGE 0.35 - 4.0 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @					
						1.0 GPM	2.0 GPM	3.0 GPM	4.0 GPM		
ER-60L/208_12500	0.35	208	12.50	60 (2x30)	10 AWG	85	43	28	21		
ER-80L/208_16600	0.35	208	16.60	80 (2x40)	8 AWG	90 +	57	38	28		
ER-60L/240_14400	0.35	240	14.40	60 (2x30)	10 AWG	90 +	49	33	25		
ER-80L/240_19200	0.35	240	19.20	80 (2x40)	8 AWG	90 +	66	44	33		
ER-60L/277_16600	0.35	277	16.60	60 (2x30)	10 AWG	90 +	57	38	28		
ER-80L/277_22200	0.35	277	22.20	80 (2x40)	8 AWG	90 +	76	51	38		

#### TRIPLETS - LOW ACTIVATION / FLOW RANGE 0.35 - 4.5 GPM

ER-90L/208_18700	0.35	208	18.70	90 (3x30)	10 AWG	90 +	64	43	32		
ER-120L/208_25000	0.35	208	25.00	120 (3x40)	8 AWG	90 +	85	57	43		
ER-90L/240_21600	0.35	240	21.60	90 (3x30)	10 AWG	90 +	74	49	37		
ER-120L/240_28800	0.35	240	28.80	120 (3x40)	8 AWG	90 +	90 +	66	49		
ER-90L/277_24900	0.35	277	24.90	90 (3x30)	10 AWG	90 +	85	57	43		
ER-120L/277_33300	0.35	277	33.30	120 (3x40)	8 AWG	90 +	90 +	76	57		

### TWINS™ ER SERIES - SINGLE PHASE

#### TWINS™-STANDARD FLOW RANGE 0.8 - 4.5 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @					
						1.0 GPM	2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM
ER-60S/208_12500	0.8	208	12.50	60 (2x30)	10 AWG	85	43	28	21	---	---
ER-80S/208_16600	0.8	208	16.60	80 (2x40)	8 AWG	90 +	57	38	28	---	---
ER-60S/240_14400	0.8	240	14.40	60 (2x30)	10 AWG	90 +	49	33	25	---	---
ER-80S/240_19200	0.8	240	19.20	80 (2x40)	8 AWG	90 +	66	44	33	---	---
ER-60S/277_16600	0.8	277	16.60	60 (2x30)	10 AWG	90 +	57	38	28	---	---
ER-80S/277_22200	0.8	277	22.20	80 (2x40)	8 AWG	90 +	76	51	38	---	---

#### TRIPLETS-STANDARD ACTIVATION / FLOW RANGE 1.2 - 6.0 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @					
						1.0 GPM	2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM
ER-90S/208_18700	1.2	208	18.70	90 (3x30)	10 AWG	---	64	43	32	26	21
ER-120S/208_25000	1.2	208	25.00	120 (3x40)	8 AWG	---	85	57	43	34	28
ER-90S/240_21600	1.2	240	21.60	90 (3x30)	10 AWG	---	74	49	37	30	25
ER-120S/240_28800	1.2	240	28.80	120 (3x40)	8 AWG	---	90 +	66	49	39	33
ER-90S/277_24900	1.2	277	24.90	90 (3x30)	10 AWG	---	85	57	43	34	28
ER-120S/277_33300	1.2	277	33.30	120 (3x40)	8 AWG	---	90 +	76	57	45	38

### TWINS™ ER SERIES - SINGLE PHASE

#### TWINS™ - HIGH ACTIVATION FLOW RANGE 1.8 - 6.0 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @						
						1.8 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	7.0 GPM	8.0 GPM
ER-60H/208_12500	1.8	208	12.50	60 (2x30)	10 AWG	47	28	21	17	14	---	---
ER-80H/208_16600	1.8	208	16.60	80 (2x40)	8 AWG	63	38	28	23	19	---	---
ER-60H/240_14400	1.8	240	14.40	60 (2x30)	10 AWG	55	33	25	20	16	---	---
ER-80H/240_19200	1.8	240	19.20	80 (2x40)	8 AWG	73	44	33	26	22	---	---
ER-60H/277_16600	1.8	277	16.60	60 (2x30)	10 AWG	63	38	28	23	19	---	---
ER-80H/277_22200	1.8	277	22.20	80 (2x40)	8 AWG	84	51	38	30	25	---	---

#### TRIPLETS - HIGH ACTIVATION / FLOW RANGE 2.8 - 8.0 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @						
						1.8 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	7.0 GPM	8.0 GPM
ER-90H/208_18700	2.8	208	18.70	90 (3x30)	10 AWG	---	43	32	26	21	18	16
ER-120H/208_25000	2.8	208	25.00	120 (3x40)	8 AWG	---	57	43	34	28	24	21
ER-90H/240_21600	2.8	240	21.60	90 (3x30)	10 AWG	---	49	37	30	25	21	18
ER-120H/240_28800	2.8	240	28.80	120 (3x40)	8 AWG	---	66	49	39	33	28	25
ER-90H/277_24900	2.8	277	24.90	90 (3x30)	10 AWG	---	57	43	34	28	24	21
ER-120H/277_33000	2.8	277	33.30	120 (3x40)	8 AWG	---	76	57	45	38	32	28

Note: Local plumbing and electrical codes must be followed for this installation of the water heater and accessories.

Note: Factory temperature preset between 90 F°-160F° - (ADJ) Field Adjustable temperature available 70F° -125F°

# TRIPLETS™ TANKLESS WATER HEATER

## MODEL ER SERIES | CHARTS

### TRIPLETS ER SERIES - THREE PHASE

#### LOW ACTIVATION / FLOW RANGE 0.35 - 4.5 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @				
						1.0 GPM	2.0 GPM	3.0 GPM	4.0 GPM	4.5 GPM
ER-90L/208_3P	0.35	208	18.70	52	6 AWG	90 +	64	43	32	28
ER-120L/208_3P	0.35	208	24.96	69	4 AWG	90 +	85	57	43	38
ER-90L/240_3P	0.35	240	21.60	52	6 AWG	90 +	74	49	37	33
ER-120L/240_3P	0.35	240	28.80	69	4 AWG	90 +	90 +	66	49	44
ER-42L/480_3P	0.35	480	20.00	24	10 AWG	90 +	68	46	34	30
ER-50L/480_3P	0.35	480	24.00	29	10 AWG	90 +	82	55	41	36
ER-60L/480_3P	0.35	480	28.80	35	8 AWG	90 +	90 +	66	49	44
ER-67L/480_3P	0.35	480	32.00	38	8 AWG	90 +	90 +	73	55	49
ER-90L/480_3P	0.35	480	43.20	52	6 AWG	90 +	90 +	90 +	74	66

### TRIPLETS ER SERIES - THREE PHASE

#### STANDARD ACTIVATION / FLOW RANGE 1.2 - 6.0 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @					
						1.2 GPM	2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM
ER-90S/208_3P	1.2	208	18.70	52	6 AWG	90 +	64	43	32	26	21
ER-120S/208_3P	1.2	208	24.96	69	4 AWG	90 +	85	57	43	34	28
ER-90S/240_3P	1.2	240	21.60	52	6 AWG	90 +	74	49	37	30	25
ER-120S/240_3P	1.2	240	28.80	69	4 AWG	90 +	90 +	66	49	39	33
ER-42S/480_3P	1.2	480	20.00	24	10 AWG	90 +	68	46	34	27	23
ER-50S/480_3P	1.2	480	24.00	29	10 AWG	90 +	82	55	41	33	27
ER-60S/480_3P	1.2	480	28.80	35	8 AWG	90 +	90 +	66	49	39	33
ER-67S/480_3P	1.2	480	32.00	38	8 AWG	90 +	90 +	73	55	44	36
ER-90S/480_3P	1.2	480	43.20	52	6 AWG	90 +	90 +	90 +	74	59	49
ER-120S/480_3P	1.2	480	57.60	69	4 AWG	90 +	90 +	90 +	90 +	79	66

### TRIPLETS ER SERIES - THREE PHASE

#### HIGH ACTIVATION / FLOW RANGE 2.8 - 8.0 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @						
						2.8 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	7.0 GPM	8.0 GPM
ER-90H/208_3P	2.8	208	18.70	52	6 AWG	46	43	32	26	21	18	16
ER-120H/208_3P	2.8	208	24.96	69	4 AWG	61	57	43	34	28	24	21
ER-90H/240_3P	2.8	240	21.60	52	6 AWG	53	49	37	30	25	21	18
ER-120H/240_3P	2.8	240	28.80	69	4 AWG	70	66	49	39	33	28	25
ER-42H/480_3P	2.8	480	20.00	24	10 AWG	49	46	34	27	23	20	17
ER-50H/480_3P	2.8	480	24.00	29	10 AWG	59	55	41	33	27	23	20
ER-60H/480_3P	2.8	480	28.80	35	8 AWG	70	66	49	39	33	28	25
ER-67H/480_3P	2.8	480	32.00	38	8 AWG	78	73	55	44	36	31	27
ER-90H/480_3P	2.8	480	43.20	52	6 AWG	90 +	90 +	74	59	49	42	37
ER-120H/480_3P	2.8	480	57.60	69	4 AWG	90 +	90 +	90 +	79	66	56	49

Note : Local plumbing and electrical codes must be followed for this installation of the water heater and accessories.  
 Note: Factory temperature preset between 90°F-160°F - (ADJ) Field Adjustable temperature available 70°F - 125°F



# BOXER<sup>®</sup>

## MODEL ERB SERIES

### LARGE CAPACITY ELECTRIC TANKLESS WATER HEATERS



MODEL ERB SERIES

Up to 30 GPM of tepid water for Safety showers and Eyewash/Shower combinations.

The BOXER<sup>®</sup> Electric Tankless Water Heater uses digital microprocessor technology which provides ultra-quick response time, controlling hot water temperatures 120 times per second, eliminating the concern of scalding and the need for mixing valves.

- Ideal for safety eye/face wash stations, eye/face wash and drench shower combination units, and emergency drench showers.
- Also ideal for a variety of commercial and industrial applications and tank heating.
- Reliable instantaneous hot water at point of use or in a centralized location.

## IDEAL APPLICATIONS

Manual, metering, or sensor hand washing faucets; group hand washing sinks; kitchen sinks; bar sinks; utility sinks; water saving showers; standard showers; dishwashers; washing machines; mop sinks; bathtubs; emergency eye washes; emergency eye/face washes; emergency showers; emergency eyewashes/showers; and high GPM fixtures.

### LOW ACTIVATION

- 2.6 GPM to 30 GPM flow rate
- Ideal for Safety eye/face wash and emergency drench shower combination units (use option F). 84°F preset temperature (non-adjustable) tepid water to meet ANSI Z358.1
- Standard user adjustable temperature 70° to 125°F (21.1° to 51.7 °C)
- Other factory preset single temperature may be requested between 90° to 160°F (32.2° to 71.1°C)

### STANDARD ACTIVATION:

- 6 GPM to 20 GPM flow rate
- Ideal for commercial or industrial tank heating
- Standard user adjustable temperature 70° to 125°F (21.1° to 51.7 °C)
- Other factory preset single temperature may be requested between 90° to 160°F (32.2° to 71.1°C)

### HIGH ACTIVATION:

- 9 GPM to 30 GPM flow rate
- Ideal for emergency drench showers with safety equipment and commercial or industrial applications
- 84°F preset temperature (non-adjustable)
- Tepid Water to meet ANSI Z358.1

### GENERAL FEATURES

- Ultra-quick response times control hot water temperatures 120 x per second, eliminating the concern of scalding and the need for mixing valves
- Unlimited hot water
- Saves water and energy - 99% energy efficient
- Rugged stainless steel housing (Standard)
- Overall Size: 26.75 W x 21 H x 7.5 D inches (67.9 x 53.3 x 19.1 cm)
- Meets applicable building codes including UL, UPC, CSA
- Environmentally friendly
- Made in the U.S.A.

### COMPATIBLE PRODUCT ENHANCEMENTS

#### HEAT TRACED PLASTIC HEAD PEDESTAL SHOWER WITH EYE/FACE WASH, LESS BOWL

- Heat trace combination unit ideal for workplaces where exposure to chemicals may require emergency equipment.



VIEW ON  
ACORNENG.COM

MODEL NUMBER  
S1360-HT

#### SUFFIX OPTION

#### DESCRIPTION

SUFFIX OPTION	DESCRIPTION
Standard Housing	Rugged Steel
SS	Satin Finish Stainless housing
N4	Nema 4 Cabinet
N4X	Stainless Steel Enclosure
DI	De-ionized

# BOXER® TANKLESS WATER HEATER

## MODEL ERB SERIES | CHARTS

### BOXER® - ERB SERIES

#### LOW ACTIVATION / FLOW RANGE 2.6 - 30.0 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @		
						20 GPM	23 GPM	30 GPM
ERB-360L/208_3P	2.6	208	75.00	208	4/0 AWG	26	22	---
ERB-360L/240_3P	2.6	240	86.00	208	4/0 AWG	29	26	20
ERB-180L/380_3P	2.6	380	68.40	104	2 AWG	23	20	---
ERB-270L/380_3P	2.6	380	102.60	156	2/0 AWG	35	30	23
ERB-360L/380_3P	2.6	380	136.80	208	4/0 AWG	47	41	31
ERB-180L/415_3P	2.6	415	74.70	104	2 AWG	26	22	---
ERB-270L/415_3P	2.6	415	112.10	156	2/0 AWG	38	33	26
ERB-360L/415_3P	2.6	415	149.40	208	4/0 AWG	51	44	34
ERB-160L/480_3P	2.6	480	77.00	93	3 AWG	26	23	---
ERB-240L/480_3P	2.6	480	115.00	139	1/0 AWG	39	34	26
ERB-320L/480_3P	2.6	480	154.00	185	3/0 AWG	53	46	35
ERB-128L/600_3P	2.6	600	77.00	74	4 AWG	26	23	---
ERB-192L/600_3P	2.6	600	115.00	111	2 AWG	39	34	26
ERB-256L/600_3P	2.6	600	154.00	148	1/0 AWG	53	46	35

### BOXER® - ERB SERIES

#### STANDARD ACTIVATION FLOW RANGE 6.0- 20 GPM

MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE	°F TEMPERATURE RISE @	
						10 GPM	20 GPM
ERB-360S/208_3P	6.0	208	75.00	208	4/0 AWG	51	26
ERB-360S/240_3P	6.0	240	86.00	208	4/0 AWG	59	29
ERB-180S/380_3P	6.0	380	68.40	104	2 AWG	47	23
ERB-270S/380_3P	6.0	380	102.60	156	2/0 AWG	70	35
ERB-360S/380_3P	6.0	380	136.80	208	4/0 AWG	90 +	47
ERB-180S/415_3P	6.0	415	74.70	104	2 AWG	51	26
ERB-270S/415_3P	6.0	415	112.10	156	2/0 AWG	77	38
ERB-360S/415_3P	6.0	415	149.40	208	4/0 AWG	90 +	51
ERB-160S/480_3P	6.0	480	77.00	93	3 AWG	53	26
ERB-240S/480_3P	6.0	480	115.00	139	1/0 AWG	79	39
ERB-320S/480_3P	6.0	480	154.00	185	3/0 AWG	90 +	53
ERB-128S/600_3P	6.0	600	77.00	74	4 AWG	53	26
ERB-192S/600_3P	6.0	600	115.00	111	2 AWG	79	39
ERB-256S/600_3P	6.0	600	154.00	148	1/0 AWG	90 +	53

Note : Wire size based on national electric code - All wire must be sized based on licensed electrician per the local code  
 Note: Factory temperature settings available - Field Adjustable temperature available 70 -125 degrees.  
 Note: For Sanitation optional max factory setting of 160 degrees available

LARGE CAPACITY ELECTRIC TANKLESS WATER HEATERS



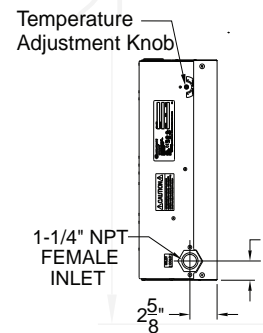
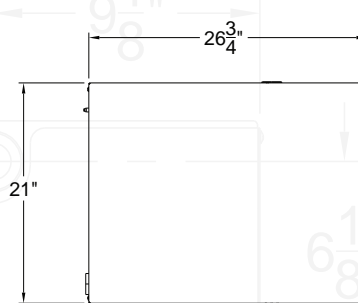
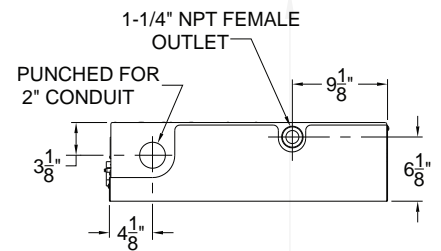
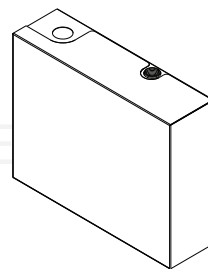
# BOXER® TANKLESS WATER HEATER

## MODEL ERB SERIES | CHARTS

BOXER®- ERB SERIES						°F TEMPERATURE RISE @		
HIGH ACTIVATION / FLOW RANGE 9.0 - 30.0 GPM						20 GPM	23 GPM	30 GPM
MODEL	ACTIVATION GPM	VOLTS	KW	AMPS/Ø	75°C WIRE			
ERB-360H/208_3P	9.0	208	75.00	208	4/0 AWG	26	22	17
ERB-360H/240_3P	9.0	240	86.00	208	4/0 AWG	29	26	20
ERB-180H/380_3P	9.0	380	68.40	104	2 AWG	23	20	16
ERB-270H/380_3P	9.0	380	102.60	156	2/0 AWG	35	30	23
ERB-360H/380_3P	9.0	380	136.80	208	4/0 AWG	47	41	31
ERB-180H/415_3P	9.0	415	74.70	104	2 AWG	26	22	17
ERB-270H/415_3P	9.0	415	112.10	156	2/0 AWG	38	33	26
ERB-360H/415_3P	9.0	415	149.40	208	4/0 AWG	51	44	34
ERB-160H/480_3P	9.0	480	77.00	93	3 AWG	26	23	18
ERB-240H/480_3P	9.0	480	115.00	139	1/0 AWG	39	34	26
ERB-320H/480_3P	9.0	480	154.00	185	3/0 AWG	53	46	35
ERB-128H/600_3P	9.0	600	77.00	74	4 AWG	26	23	18
ERB-192H/600_3P	9.0	600	115.00	111	2 AWG	39	34	26
ERB-256H/600_3P	9.0	600	154.00	148	1/0 AWG	53	46	35



MODEL ERB SERIES



Note : Wire size based on national electric code - All wire must be sized based on licensed electrician per the local code  
 Note: Factory temperature settings available - Field Adjustable temperature available 70 -125 degrees.  
 Note: For Sanitation optional max factory setting of 160 degrees available



# CHRONOMITE® BOXER® DELIVERS THE KNOCKOUT PUNCH TO ANSI Z358.1,

PROVIDING TEPID WATER TO EMERGENCY DRENCH  
EQUIPMENT WHEN YOU DON'T HAVE TIME TO WASTE.

CHRONOMITE'S BOXER Pairs PERFECTLY WITH ACORN SAFETY®  
EMERGENCY DRENCH EQUIPMENT TO PROTECT WORKERS.



MODEL ERB SERIES

## ACORN SAFETY'S PRODUCT LINE INCLUDES:

- EYE WASHES
- DRENCH SHOWERS
- EYE/FACE WASHES
- COMBINATION UNITS



**A. CHRONOMITE® - ERB SERIES BOXER®**  
TANKLESS WATER HEATER WITH 2.6 GPM  
ACTIVATION FLOW RATE

**B. ACORN SAFETY® - S1360-HT**  
HEAT TRACED PLASTIC HEAD PEDESTAL  
SHOWER WITH EYE/FACE WASH, LESS BOWL

**C. JAY R. SMITH MFG. CO.® - 9675**  
'TROUGH/KETTLE' STAINLESS STEEL  
TRENCH DRAIN

**D. JAY R. SMITH MFG. CO.® - 9660**  
WIDE NEUTRAL STAINLESS STEEL MODULAR  
TRENCH DRAIN

# APPLICATIONS

## MIXED USE DEVELOPMENT

The Chronomite® Electric Tankless Water Heater can be installed at each floor level, servicing multiple fixtures. It only uses energy when water is flowing. This saves energy and time while also conserving water.

- 1 Washer
2 Shower
3 Sink
4 Tankless Water Heater

APPLICATION	GPM
Water Saver Faucet/Sink	0.35
Standard Faucet/Sink	0.50
Bar Faucet/Sink	1.00
Kitchen Faucet/Sink	1.00-1.50
Utility Faucet/Sink	1.50
Mop Faucet/Sink	1.5-3.0
Water Saver Shower	1.50
Hand Set Shower	1.50
Standard Shower	2.00
Dishwasher	1.0-2.0
Washing Machine	1.0-1.5
Bath Tub	2.0-4.0
Emergency Eyewash	.5-3.0
Emergency Eye/Face Wash	3.00-5.00
Emergency Drench Shower	20.00
Emergency Efd Combo	23.00





# TECHNICAL: HOW TO SELECT YOUR WATER HEATER & AVERAGE GROUND TEMPERATURE

## SELECTING AN ELECTRIC TANKLESS WATER HEATER

There are some basic questions you should ask when deciding on a Chronomite Electric Tankless Water Heater:

1. How cold is your inlet water temperature in the winter?
2. What is the flow rate and gallons per minute you need to supply your hot water demand?
3. What is your desired outlet temperature?
  - 84°F - Emergency drench shower
  - 104°F - Hand washing and bathing
  - 110°F - ADA
  - 120°F - Meets health codes
  - Other temperatures available.

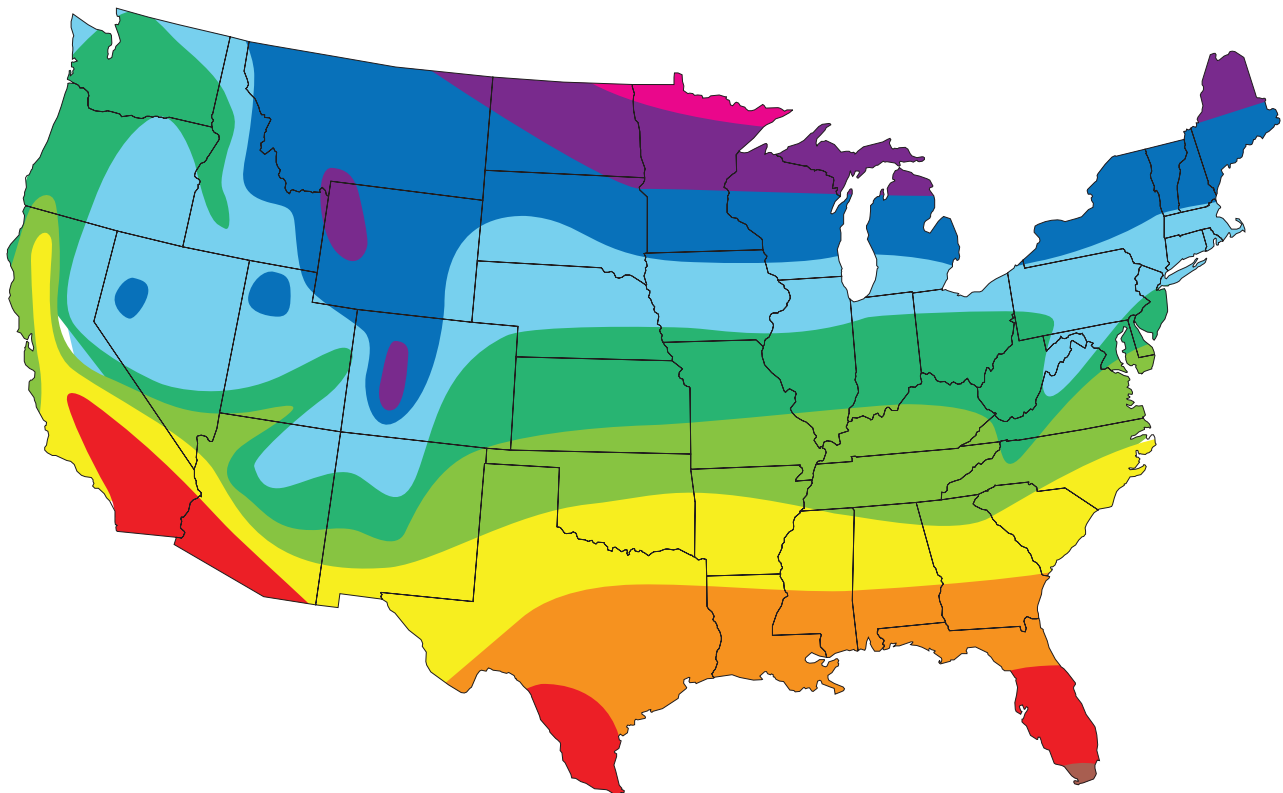
If you are unsure of the answers to these questions, please contact Chronomite, Inc. You can find us or a local representative at [Chronomite.com](http://Chronomite.com) or call 800-447-4962.

## AVERAGE GROUND TEMPERATURE



Ground water temperatures reflect the average external water temperature coming into your water heater.

Internal water pipes hold already heated water, which may be closer to your ambient or room temperature.



# TECHNICAL: FLOW VS. POWER REQUIRED

TECHNICAL: HOW TO SELECT YOUR WATER HEATER & AVERAGE GROUND TEMPERATURE

GALLONS PER MINUTE

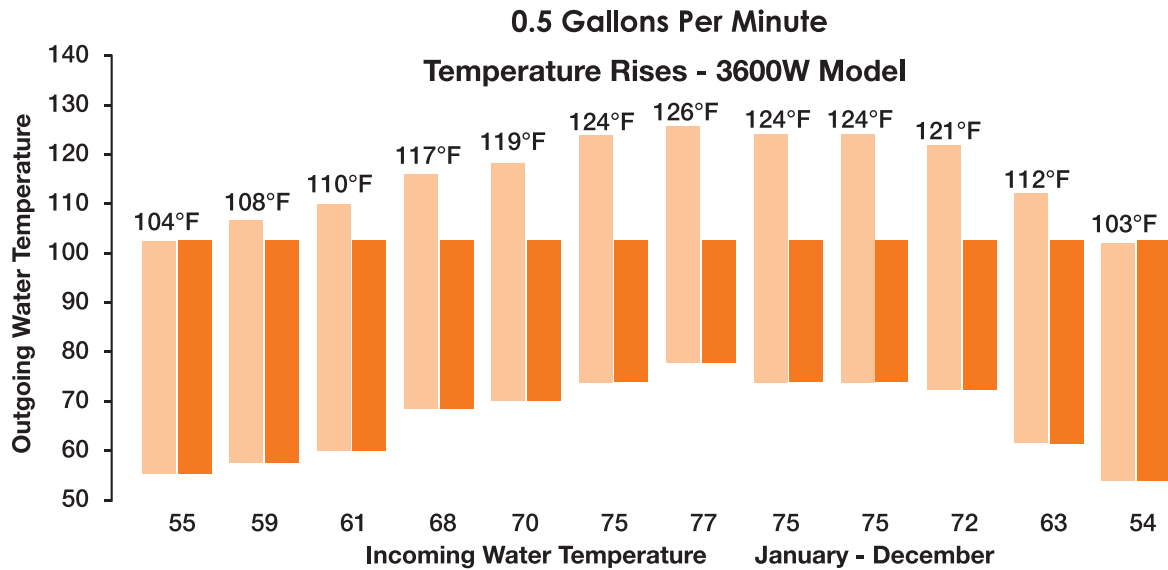
POWER REQUIRED - KW									
30.0	87.8	131.8							
29.0	84.9	127.4							
28.0	82.0	123.0							
27.0	79.1	118.6							
26.0	76.1	114.2	152.3						
25.0	73.2	109.8	146.4						
24.0	70.3	105.4	140.6						
23.0	67.3	101.0	134.7						
22.0	64.4	96.6	128.8						
21.0	61.5	92.2	123.0	153.7					
20.0	58.6	87.8	117.1	146.4					
19.0	55.6	83.5	111.3	139.1					
18.0	52.7	79.1	105.4	131.8	158.1				
17.0	49.8	74.7	99.6	124.5	149.3				
16.0	46.9	70.3	93.7	117.1	140.6				
15.0	43.9	65.9	87.8	109.8	131.8	153.7			
14.0	41.0	61.5	82.0	102.5	123.0	143.5			
13.0	38.1	57.1	76.1	95.2	114.2	133.2	152.3		
12.0	35.1	52.7	70.3	87.8	105.4	123.0	140.6	158.1	
11.0	32.3	48.3	64.4	80.5	96.6	112.7	128.8	144.9	161.1
10.0	29.3	43.9	58.6	73.2	87.8	102.5	117.1	131.8	146.4
9.0	26.4	39.5	52.7	65.9	79.1	92.2	105.4	118.6	131.8
8.0	23.4	35.1	46.9	58.6	70.3	82.0	93.7	105.4	117.1
7.0	20.5	30.7	41.0	51.2	61.5	71.7	82.0	92.7	102.5
6.0	17.6	26.4	35.1	43.9	52.7	61.5	70.3	79.1	87.8
5.0	14.6	22.0	29.3	36.6	43.9	51.2	58.6	65.9	73.2
4.0	11.7	17.6	23.4	29.3	35.1	41.0	46.9	52.7	58.6
3.0	8.8	13.2	17.6	22.0	26.4	30.7	35.1	39.5	43.9
2.0	5.9	8.8	11.7	14.6	17.6	20.5	23.4	26.4	29.3
1.0	2.9	4.4	5.9	7.3	8.8	10.2	11.7	13.2	14.6
0.5	1.5	2.2	2.9	3.7	4.4	5.1	5.9	6.6	7.3
	20°F	30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F
TEMPERATURE RISE - °F									

# TECHNICAL:

# TEMPERATURE RISE & ENERGY EFFICIENCY FOR SERIES SR VS. CM, M, E, R, ER & ERB

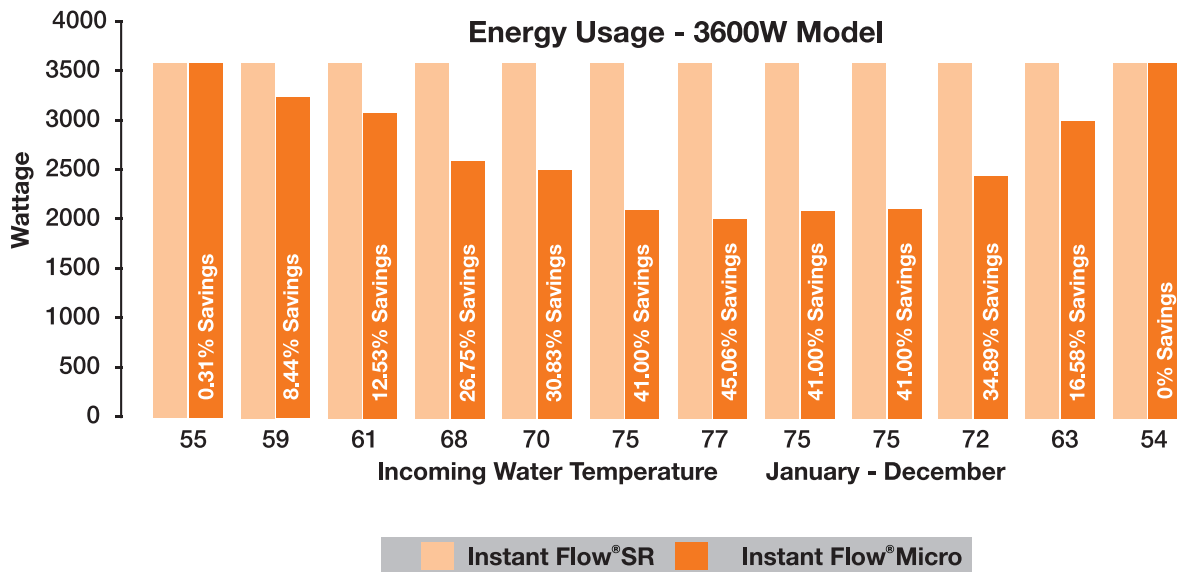
## TEMPERATURE RISE

NON-MICROPROCESSOR (SR MODELS) VS. MICROPROCESSOR (CM, M, E, R, ER, ERB MODELS)



## ENERGY EFFICIENCY

NON-MICROPROCESSOR (SR MODELS) VS. MICROPROCESSOR (CM, M, E, R, ER, ERB MODELS)



TEMPERATURE RISE & ENERGY EFFICIENCY



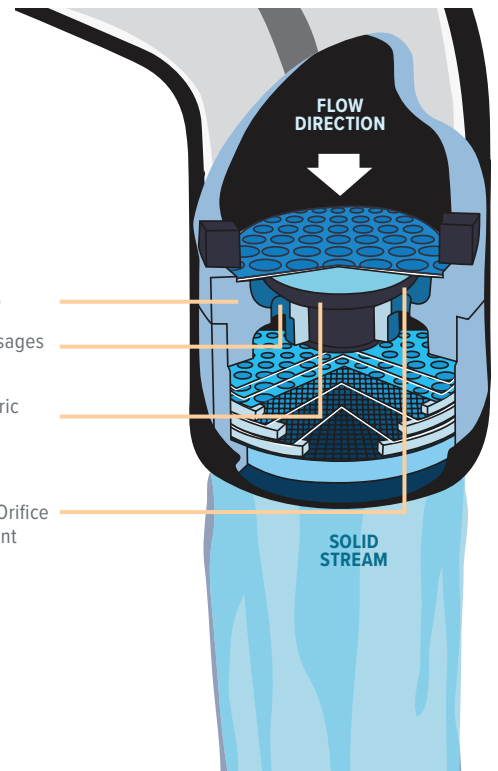
# OMNI® LOW FLOW FAUCET ADAPTER



A Division of Chronomite Laboratories  
[www.omniflowcontrols.com](http://www.omniflowcontrols.com)

Omni®'s unique laminar flow offers a crystal clear, transparent, solid stream of water. When Omni created laminar flow, it created a faucet flow control that offers no splash while improving wetting ability without aeration. Omni laminar faucet flow controls don't add air to the water. Therefore, no airborne bacteria is introduced in the water. Omni laminar faucet flow controls are the only devices approved for use in hospitals and health care facilities.

## SPOUT ASSEMBLY



- 1 Upper Cartridge
- 2 Flow Passages
- 3 Elastomeric Control Element "T"
- 4 Variable Orifice Adjustment Area



Typical Aerated Stream



Omni's "Laminar" Stream

## FAUCET FLOW CONTROL



SERIES 200



SERIES 400



SERIES 900



## ACCESSORIES



SERIES 710 / 792



## SHOWERHEADS



SERIES 752

## HOSE BIBS



SERIES 810

# TWINS™ & TRIPLETS™ PROVIDE LARGE CAPACITY IN A SMALL SIZE

GET AMPLE HOT WATER TO  
SERVICE MOP SINKS WITH THE  
ER SERIES TWINS & TRIPLETS  
POINT-OF-USE TANKLESS  
WATER HEATERS.

SEE PAGE 28  
FOR MORE INFORMATION  
ON THE ER SERIES

TERRAZZO MOP SINKS FROM ACORN ENGINEERING  
COMPANY® ARE ONE OF THE MANY APPLICATIONS FOR  
THE CHRONOMITE MINI TANK. TERRAZZO IS AN IDEAL  
MATERIAL FOR MOP SINKS DUE TO ITS DURABILITY IN  
HIGH TRAFFIC APPLICATIONS. SEVERAL COLORS AND  
SHAPES ARE AVAILABLE.



**A. CHRONOMITE® - ER SERIES**  
TWINS™ & TRIPLETS™ LARGE CAPACITY  
ELECTRIC TANKLESS WATER HEATERS

**B. ACORN ENGINEERING COMPANY®**  
TERRAZZO-WARE® - TRH-363606  
36" X 36" X 6" TERRAZZO REDUCED  
HEIGHT MOP SINK





**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



17451 Hurley Street • City of Industry, CA 91744 United States  
(800) 447-4962 • [www.chronomite.com](http://www.chronomite.com)

## INNOVATIVE SPIRIT AND ENGINEERING FOUNDATION

“What sets us apart from competitors is our engineering and spirit. We have a ‘can-do’ spirit. If you ask us to do something, we will do it or figure out how to do it. That’s the part our customers like, that’s the part we like.”

- Don Morris, President and CEO



**MORRIS GROUP**  
INTERNATIONAL®

BRANDS BUILT TO LAST!™

[morrisingroup.co](http://morrisingroup.co)

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