

ELECTRIC TANKLESS WATER HEATER - POINT OF US

INSTANT-FLOW® MICRO - LOW FLOW

APPLICATION: commercial, industrial, residential, public lavatories, kitchen/bar sink

PRODUCT FEATURES

- 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 with the 104°F (40°C) factory preset setting; no mixing valve needed
- Saves water and energy 99% energy efficient
- Meet all CAL GREEN low flow requirements
- Vandal resistant rugged cast aluminum housing
- Space saving compact size: 6-1/4" (H) x 9-5/8" x 2-3/4" (159 (H) x 244 x 70mm)
- Meets applicable building codes including ADA, UL, IAPMO, UPC, CSA.
- Environmentally friendly
- Made in the U.S.A.
- Field Adjustable Temperature 104-125°F (40-52°C) (Option -ADJ)

Chronomite Instant-Flow® Micro - Low Flow models are manufactured to provide reliable point-of-use hot water. There is no pressure and temperature relief valve needed (unless required by code), saving time and money on installation.

Housing is fabricated from rugged cast aluminum alloy.

Element assembly is fabricated from Celcon plastic.

Heating coils are nichrome.

Faucet flow controls are supplied with each unit. 3/8" compression fittings are supplied (standard). Optional 1/2" male NPT water connections available.



Member of U.S.Green **Building Council**



For the model being selected, please place the corresponding

amps and volts values in the Guide Specifications to the right.

Water Conserving Product

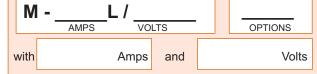


Made in the USA

CHRONOMITE Instant-Flow® Micro - Low Flow

GUIDE SPECIFICATION

Tankless Water Heater shall be a Chronomite Laboratories Model



to heat to a preset temperature of:

- 104°F (40°C) ○ 110°F (43°C)
- O 120°F (49°C) (Meets health code)

Other temperature settings available upon request (specify below)

Unit shall be provided with Celcon waterways, and Nichrome heating coils. Temperature controlled by microprocessor.

OPTIONS

- PA 765 ABS Housing (P)
- Satin Finish Stainless Steel Housing (SS)
- O High Polish Finish Stainless Steel (SSP)
- Pressure & Temp Relief Valve Assembly (TP)
- 1/2" Male NPT (NPT08)
- Field Adjustable Temperature (ADJ)
- Disconnect Switch, Rotary 40A Lockable Nema 4X (2095-1)

MODEL	44450	V01 70	WATTS	ACTIVATION	°F TEMPERATURE RISE @		
MODEL	AMPS	VOLTS		GPM	0.80 GPM	1.00 GPM	2.00 GPM
M-15L / 277	15	277	4150	0.35	35	28	-
M-20L / 120	20	120	2400	0.35	20	-	-
M-20L / 208	20	208	4160	0.35	36	28	-
M-20L / 240	20	240	4800	0.35	41	33	-
M-20L / 277	20	277	5540	0.35	47	38	-
M-30L / 120	30	120	3600	0.35	31	25	-
M-30L / 208	30	208	6240	0.35	53	43	21
M-30L / 240	30	240	7200	0.35	61	49	25
M-30L / 277	30	277	8310	0.35	71	57	28
M-40L / 208	40	208	8320	0.35	71	57	28
M-40L / 240	40	240	9600	0.35	82	66	33

Complies with Standards for:









CHRONOMITE LABORATORIES, INC.

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ELECTRIC TANKLESS WATER HEATER - POINT OF USE

INSTANT-FLOW® MICRO - LOW FLOW

INSTANT-FLOW®MICRO - LOW FLOW METRIC CHART

159 (H) x 244 x 70mm

MODEL AMPS/PHASE 1 Ø VOLTAGE WAT	44450/514405	4 ~ 1/01 = 4.0=	VV 4.770	ACTIVATION	°C TEMPERATURE RISE @		
	WAIIS	LPM	3.00 LPM	4.00 LPM	8.00 LPM		
M-15L/277	15	277	4150	1.3	20	15	
M-20L/120	20	120	2400	1.3	11		
M-20L/208	20	208	4160	1.3	20	15	
M-20L/240	20	240	4800	1.3	23	17	
M-20L/277	20	277	5540	1.3	27	20	
M-30L/120	30	120	3600	1.3	17	13	
M-30L/208	30	208	6240	1.3	30	22	11
M-30L/240	30	240	7200	1.3	34	26	13
M-30L/277	30	277	8310	1.3	40	30	15
M-40L/208	40	208	8320	1.3	40	30	15
M-40L/240	40	240	9600	1.3	46	34	17

TECHNICAL DIMENSIONS

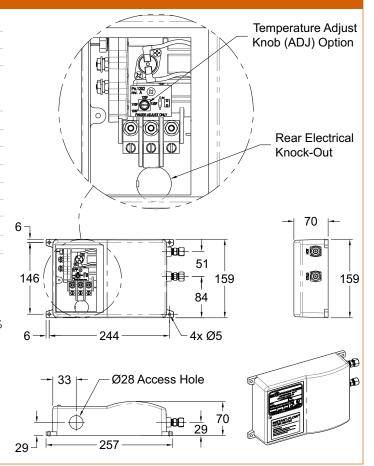
INSTANT-FLOW® MICRO - LOW FLOW

Weight:	2.27 Kg
	Rugged cast aluminum housing elcon plastic element assembly with nichrome coils
Housing Color:	White
Minimum Operating Flow Rate	: 1.3 LPM
Minimum Operating Pressure:	172 kPa
Maximum Operating Pressure	552 kPa
Maximum Pressure:	1034 kPa
Maximum Water Temperature:	71°C
Maximum Ambient Operating	Temperature: 60°C
Listing:	UL, IAPMO, UPC, ADA, ETL

GENERAL NOTES:

Dimensions:

- The microprocessor adjusts the heater's power for variations in flow rates, inlet water temperature and pressure to assure the selected factory preset water temperature.
- 240V models when operated at 220V will have approximately a 15% wattage decrease.
- 120V models when operated 110V will have approximately a 15% wattage.
- Instant-Flow Micro is ideal for sensor/hands-free faucets with the 40°C factory preset setting temperature; no mixing valve needed
- Factory setting of 43°C or above require cold water mixing at the hand wash faucet.
- Microprocessor limits temperature increase according to the preselected temperature decrease.



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TECHNICAL DIMENSIONS **INSTANT-FLOW® MICRO - LOW FLOW**

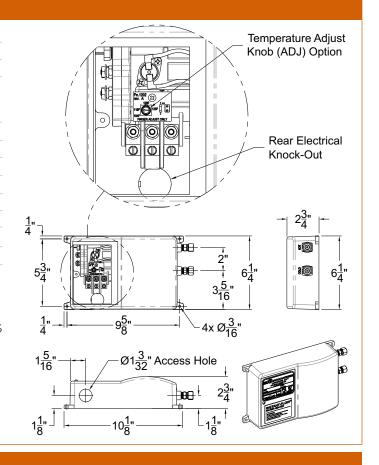
Dimensions: 6-1/4" (H) x 9-5/8" x 2-3/4" Weight: Materials: Rugged cast aluminum housing Celcon plastic element assembly with nichrome coils

Housing Color: White Minimum Operating Flow Rate: 0.35 GPM Minimum Operating Pressure: **25 PSI** Maximum Operating Pressure: 80 PSI Maximum Pressure: 150 PSI Maximum Water Temperature: 160°F Maximum Ambient Operating Temperature: 140°F

Listing: UL, IAPMO, UPC, ADA, ETL

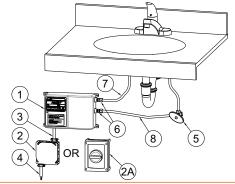
GENERAL NOTES:

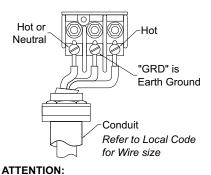
- The microprocessor adjusts the heater's power for variations in flow rates, inlet water temperature and pressure to assure the selected factory preset water temperature.
- 240V models when operated at 220V will have approximately a 15% wattage decrease.
- 120V models when operated 110V will have approximately a 15% wattage decrease.
- Instant-Flow Micro is ideal for sensor/hands-free faucets with the 104°F factory preset setting temperature; no mixing valve needed
- Factory setting of 110°F or above require cold water mixing at the hand wash faucet.
- Microprocessor limits temperature increase according to the preselected temperature.



Notes:

- 1. Heater to be installed below the level of all hot water outlets serviced by the Heater.
- 2. Diagram shown with standard 3/8" Compression Fitting. Optional 1/2" NPT Male water connections available.
- Instant-Flow Micro Heater (1)
- (2)Electrical Junction Supply Box (Optional)
- 2095-1 Disconnect Switch (Optional) (2A)
- (3) **Electrical Supply Conduit**
- (4) **Electrical Supply Wire**
- (5) Dual Outlet Stop, 3/8" Comp. Outlet Connections
- 3/8" Comp. x 1/4" NPT Fittings (supplied)
- (7 3/8" Hot Water Outlet
- (8) 3/8" Cold Water Inlet





WIRING CONNECTION

Unit must be hard wired.

NOTE: Heaters are single phase. All tests are measured at the output of the heater.

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MARY OR ING	Company			CHRONOMITE
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