

## ELECTRIC TANKLESS WATER HEATER - POINT OF USI

# INSTANT-FLOW<sup>®</sup> MICRO - LOW FLOW

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

### PRODUCT FEATURES

- Uses a digital microprocessor for temperature control Ultra guick 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)  $\succ$ 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<sup>®</sup> 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.



For the model being selected, please place the corresponding amps and volts values in the Guide Specifications to the right.



Instant-Flow® Micro - Low Flow

## GUIDE SPECIFICATION

Tankless Water Heater shall be a Chronomite Laboratories Model

ML /				OPTIONS			
with	Amp	os	and			Volts	
to heat to a preset temperature of: <ul> <li>104°F (40°C)</li> <li>110°F (43°C) (Meets ADA)</li> </ul> <li>Other temperature settings available upon request (specify below)</li>							

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

°F TEMPERATURE RISE @ ACTIVATION MODEL AMPS VOLTS WATTS 0.80 GPM 1.00 GPM 2.00 GPM 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 MEMBER OI



### CHRONOMITE LABORATORIES, INC. 17451 Hurley St. :: City of Industry, CA 91744

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A WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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**ELECTRIC TANKLESS WATER HEATER - POINT OF USE** 

# **INSTANT-FLOW<sup>®</sup> MICRO - LOW FLOW**

# INSTANT-FLOW<sup>®</sup> MICRO - LOW FLOW METRIC CHART

MODE	AMPS/PHASE	1 Ø VOLTAGE	WATTS	ACTIVATION	°C TEMPERATURE RISE @		
MODEL				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

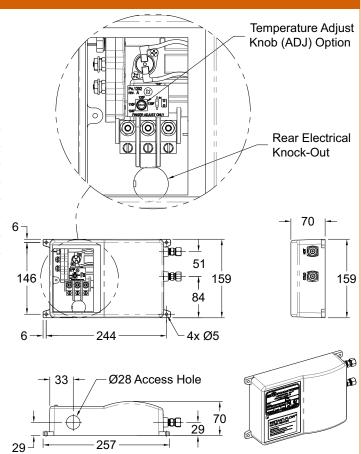
## TECHNICAL DIMENSIONS

#### INSTANT-FLOW® MICRO - LOW FLOW

Dimensions:	159 (H) x 244 x 70mm	
Weight:	2.27 Kg	
	Rugged cast aluminum housing elcon plastic element assembly with nichrome coils	
Housing Color:	White	
Minimum Operating Flow Rate	e: 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:		
Listing: UL, IAPMO, UPC, ADA, ET		

#### 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.
- 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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MMARY FOR RING	Company			CHRONOMITE LABORATORIES, INC.
IS AL	Model Number & Options		Quantity	PH. 800-447-4962
PRON	Contact	Title		626-937-4270
SELEC & AP MAN	Signature (Approval for Manufacturing)		_Date	FAX 626-937-4279 www.chronomite.com

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#### Since 1966 **HRONOMITE** Electric Tankless Water Heaters

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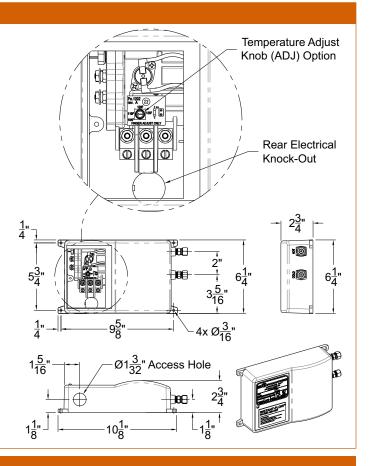
## **TECHNICAL DIMENSIONS**

#### INSTANT-FLOW® MICRO - LOW FLOW

Dimensions:	6-1/4" (H) x 9-5/8" x 2-3/4"	
Weight:	5 lbs.	
	ugged cast aluminum housing con 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:		
Listing: UL, IAPMO, UPC, ADA, ET		

#### 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.

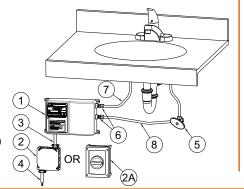


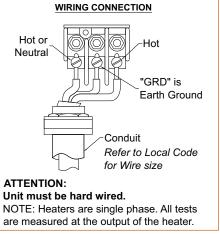
#### Notes:

- 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
- 1 Instant-Flow Micro Heater
- 2 Electrical Junction Supply Box (Optional)
- (2A) 2095-1 Disconnect Switch (Optional)
- (3) Electrical Supply Conduit
- 4 Electrical Supply Wire

connections available.

- (5) Dual Outlet Stop, 3/8" Comp. Outlet Connections
- (6) 3/8" Comp. x 1/4" NPT Fittings (supplied)
- (7) 3/8" Hot Water Outlet
- 8 3/8" Cold Water Inlet





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