



ELECTRIC TANKLESS WATER HEATER - POINT OF USE

INSTANT-FLOW® - LOW ACTIVATION

For the model being selected, please place the corresponding amps and volts values in the Guide Specifications on the first page.

MODEL	AMPS	VOLTS	90°C WIRE	WATTS	ACTIVATION GPM	°F TEMPERATURE RISE @				
						0.35 GPM	0.50 GPM	1.00 GPM	1.50 GPM	2.00 GPM
CMX-12L/120	12	120	14 AWG	1440	0.20	28	20	---	---	---
CMX-15L/120	15	120	14 AWG	1800	0.20	35	25	---	---	---
CMX-20L/120	20	120	12 AWG	2400	0.20	47	33	---	---	---
CMX-30L/120	30	120	10 AWG	3600	0.20	70	49	25	---	---
CMX-12L/208	12	208	14 AWG	2500	0.20	49	34	---	---	---
CMX-15L/208	15	208	14 AWG	3120	0.20	61	43	21	---	---
CMX-20L/208	20	208	12 AWG	4160	0.20	81	57	28	---	---
CMX-30L/208	30	208	10 AWG	6240	0.20	90+	85	43	28	21
CMX-40L/208	40	208	8 AWG	8320	0.20	90+	90+	57	38	28
CMX-12L/240	12	240	14 AWG	2880	0.20	56	39	20	---	---
CMX-15L/240	15	240	14 AWG	3600	0.20	70	49	25	---	---
CMX-20L/240	20	240	12 AWG	4800	0.20	90+	66	33	22	---
CMX-30L/240	30	240	10 AWG	7200	0.20	90+	90+	49	33	25
CMX-40L/240	40	240	8 AWG	9600	0.20	90+	90+	66	44	33
CMX-12L/277	12	277	14 AWG	3320	0.20	65	45	23	---	---
CMX-15L/277	15	277	14 AWG	4100	0.20	81	57	28	---	---
CMX-20L/277	20	277	12 AWG	5540	0.20	90+	76	38	25	---
CMX-30L/277	30	277	10 AWG	8310	0.20	90+	90+	27	38	28
CMX-40L/277	40	277	8 AWG	11080	0.20	90+	90+	76	50	38

Note 1: Maximum temperature rise may be governed by preset outlet temperature.

Note 2: Local plumbing and electrical codes must be followed for installation of water heater and the accessories.

INSTANT-FLOW® FLOW SECURE™ - LOW ACTIVATION METRIC CHART

MODEL	AMPS	VOLTS	90°C WIRE	WATTS	ACTIVATION LPM	°C TEMPERATURE RISE @				
						1.30 LPM	2.00 LPM	4.00 LPM	6.00 GPM	8.00 LPM
CMX-12L/120	12	120	14 AWG	1440	0.75	16	10	---	---	---
CMX-15L/120	15	120	14 AWG	1800	0.75	20	13	---	---	---
CMX-20L/120	20	120	12 AWG	2400	0.75	27	17	---	---	---
CMX-30L/120	30	120	10 AWG	3600	0.75	40	26	13	---	---
CMX-12L/208	12	208	14 AWG	2500	0.75	28	18	---	---	---
CMX-15L/208	15	208	14 AWG	3120	0.75	34	22	11	---	---
CMX-20L/208	20	208	12AWG	4160	0.75	46	30	15	---	---
CMX-30L/208	30	208	10 AWG	6240	0.75	50+	45	22	15	11
CMX-40L/208	40	208	8 AWG	8320	0.75	50+	50+	30	20	15
CMX-12L/240	12	240	14 AWG	2880	0.75	32	21	10	---	---
CMX-15L/240	15	240	14 AWG	3600	0.75	40	26	13	---	---
CMX-20L/240	20	240	12 AWG	4800	0.75	50+	34	17	11	---
CMX-30L/240	30	240	10 AWG	7200	0.75	50+	50+	26	17	13
CMX-40L/240	40	240	8 AWG	9600	0.75	50+	50+	34	23	17
CMX-12L/277	12	277	14 AWG	3320	0.75	37	24	12	---	---
CMX-15L/277	15	277	14 AWG	4150	0.75	46	30	15	---	---
CMX-20L/277	20	277	12 AWG	5540	0.75	50+	40	20	13	---
CMX-30L/277	30	277	10 AWG	8310	0.75	50+	50+	30	20	15
CMX-40L/277	40	277	8 AWG	11080	0.75	50+	50+	40	27	20

Note 1: Maximum temperature rise may be governed by preset outlet temperature.

Note 2: Local plumbing and electrical codes must be followed for installation of water heater and the accessories.

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	Model Number & Options _____	Quantity _____	
	Contact _____	Title _____	
	Signature (Approval for Manufacturing) _____		
	Date _____		



ELECTRIC TANKLESS WATER HEATER - POINT OF USE

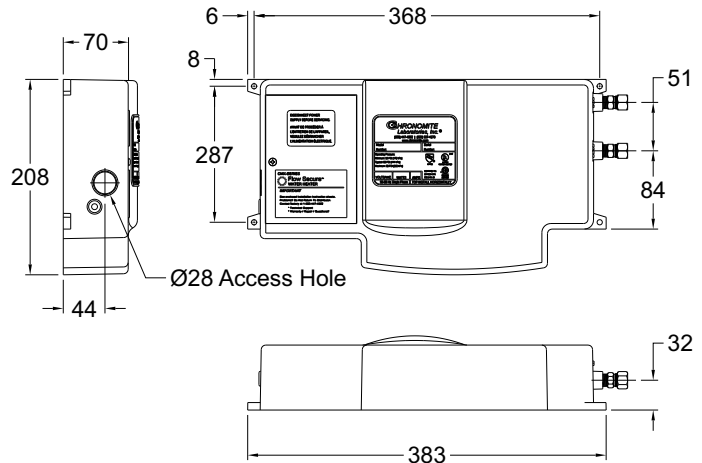
INSTANT-FLOW® - LOW ACTIVATION

TECHNICAL DIMENSIONS

INSTANT-FLOW® FLOW SECURE™ - LOW ACTIVATION

Dimensions:	208 (H) x 383 x 70mm
Weight:	4.08 Kg
Materials:	Rugged cast aluminum housing Celcon plastic element assembly with nichrome coils
Housing Color:	White
Minimum Operating Flow Rate:	0.75 LPM
Minimum Operating Pressure:	172 kPa
Maximum Operating Pressure:	552 kPa
Maximum Pressure:	1034 kPa
Maximum Water Temperature:	71°C
Maximum Ambient Operating Temperature:	40°C
Listing:	UL, IAPMO, UPC, ADA, ETL

*Limited to preset temperature selected

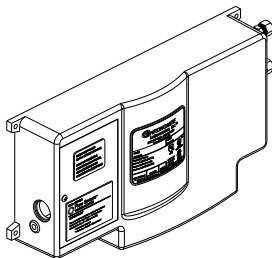
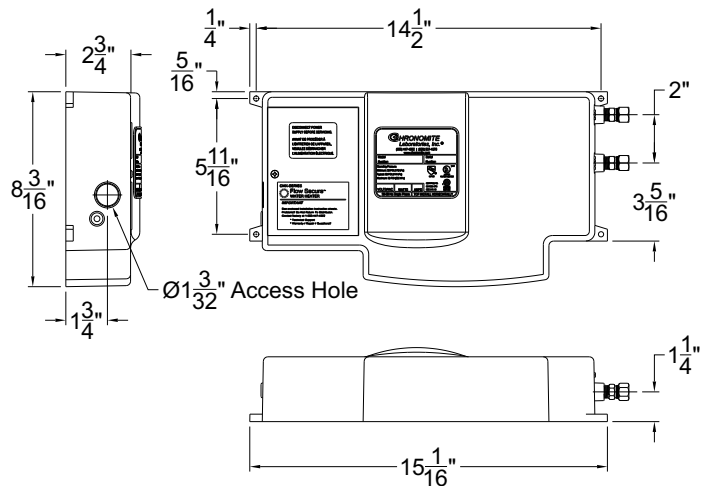


TECHNICAL DIMENSIONS

INSTANT-FLOW® FLOW SECURE™ - LOW ACTIVATION

Dimensions:	8-3/16" (H) x 15-1/16" x 2-3/4"
Weight:	9 lbs.
Materials:	Rugged cast aluminum housing Celcon plastic element assembly with nichrome coils
Housing Color:	White
Minimum Operating Flow Rate:	0.2 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

*Limited to preset temperature selected



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 FLOW SECURE™ is ideal for sensor/hands-free faucets with the 104°F (40°C factory preset setting temperature)
- Microprocessor and integrated thermostatic mixing valve limits temperature increase according to the pre-selected temperature.

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CHRONOMITE
LABORATORIES, INC.

PH. 800-447-4962

626-937-4270

FAX 626-937-4279

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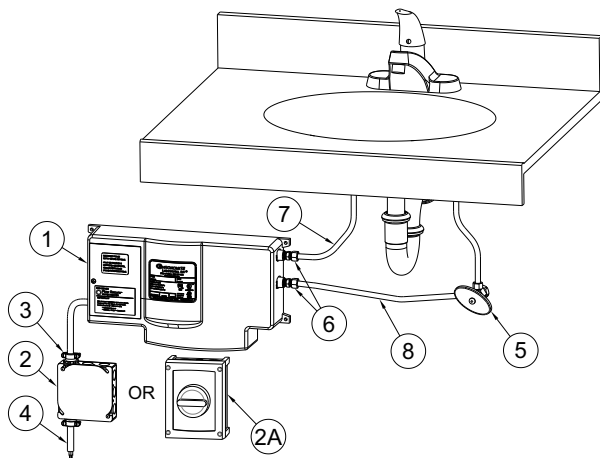
ELECTRIC TANKLESS WATER HEATER - POINT OF USE

INSTANT-FLOW® Flow Secure™ WATER HEATER - LOW ACTIVATION

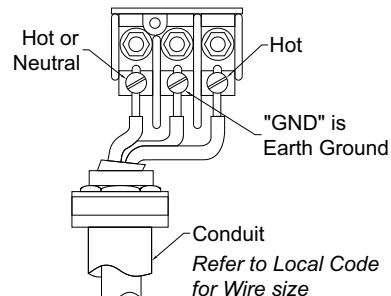
Notes:

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.

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



WIRING CONNECTION

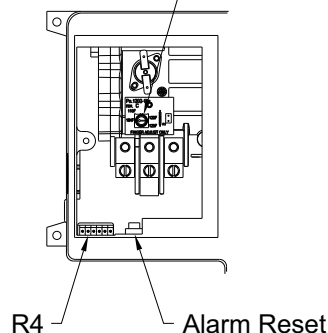


ATTENTION:

Unit must be hard wired.

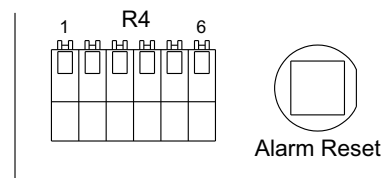
NOTE: Heaters are single phase. All tests are measured at the output of the heater.

Temperature Adjust Knob (ADJ) Option



R4 TERMINAL BLACK

	Common	1
Temperature output	Conversion Chart of 100F - 140F = 0-10vdc	2
kW Controller	0v=0 and 10vdc = 100% Power	3
Heater On/Off	0v=Off and 10vdc = On	4
Solenoid Water Leak	0v=dry and 10vdc = Wet/Leak	5
Pressure Sensor Switch	0v=open and 10vdc = switch closed (100 PSI)	6



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