



# Flow Secure<sup>®</sup> WATER HEATER

**INTEGRATED SOLENOID SHUTOFF  
VALVE WITH BMS MONITORING**



**CMX Series  
Flow Secure<sup>®</sup>**

Patent Pending

# INTRODUCING THE



# Flow Secure<sup>®</sup>

## WATER HEATER

# FROM CHRONOMITE!

With Flow Secure, water is automatically shut off if a leak is detected and an alarm sounds, giving you peace of mind and saving costly damage to the building.



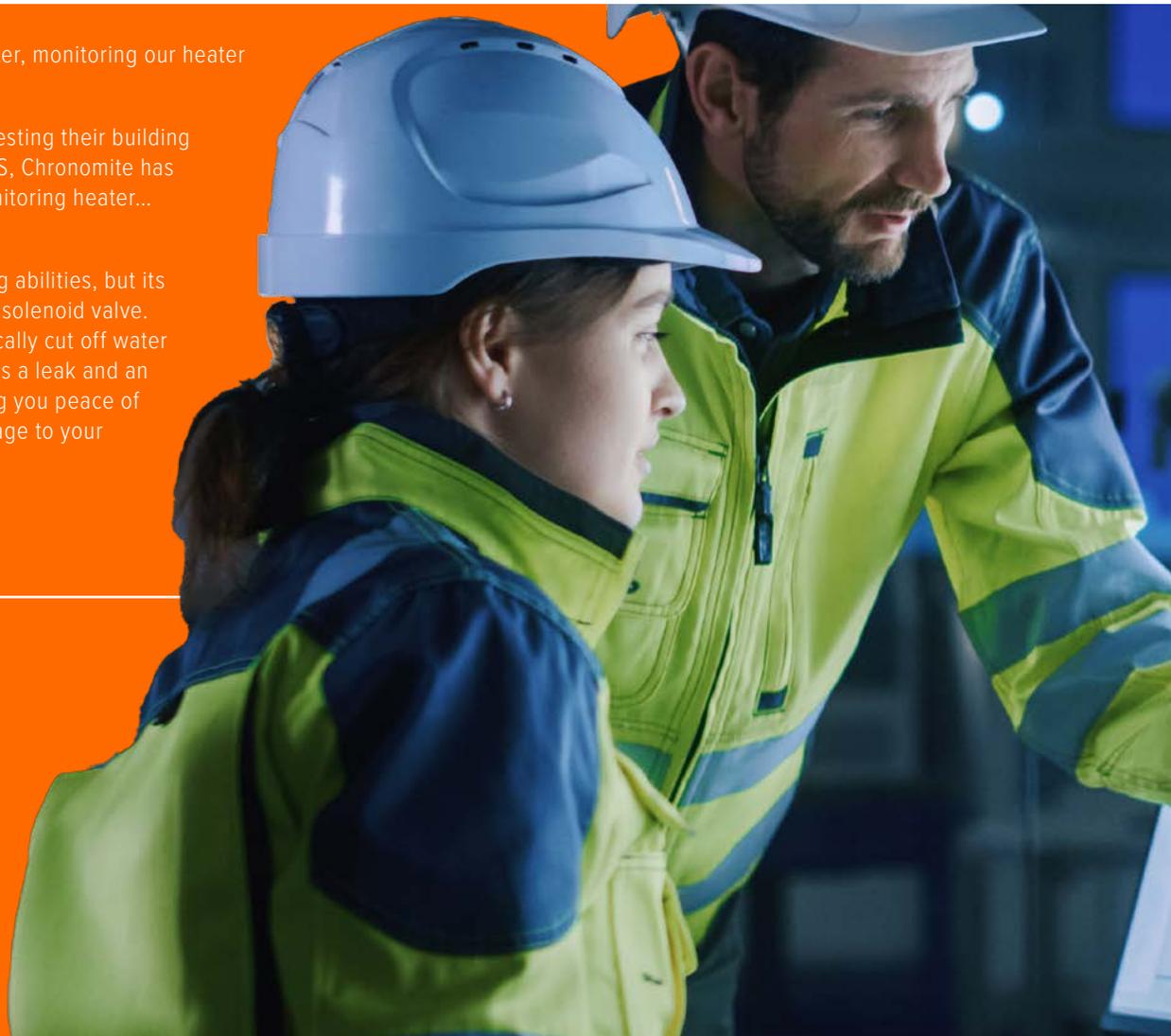
With the Flow Secure Water Heater, monitoring our heater has become easier!

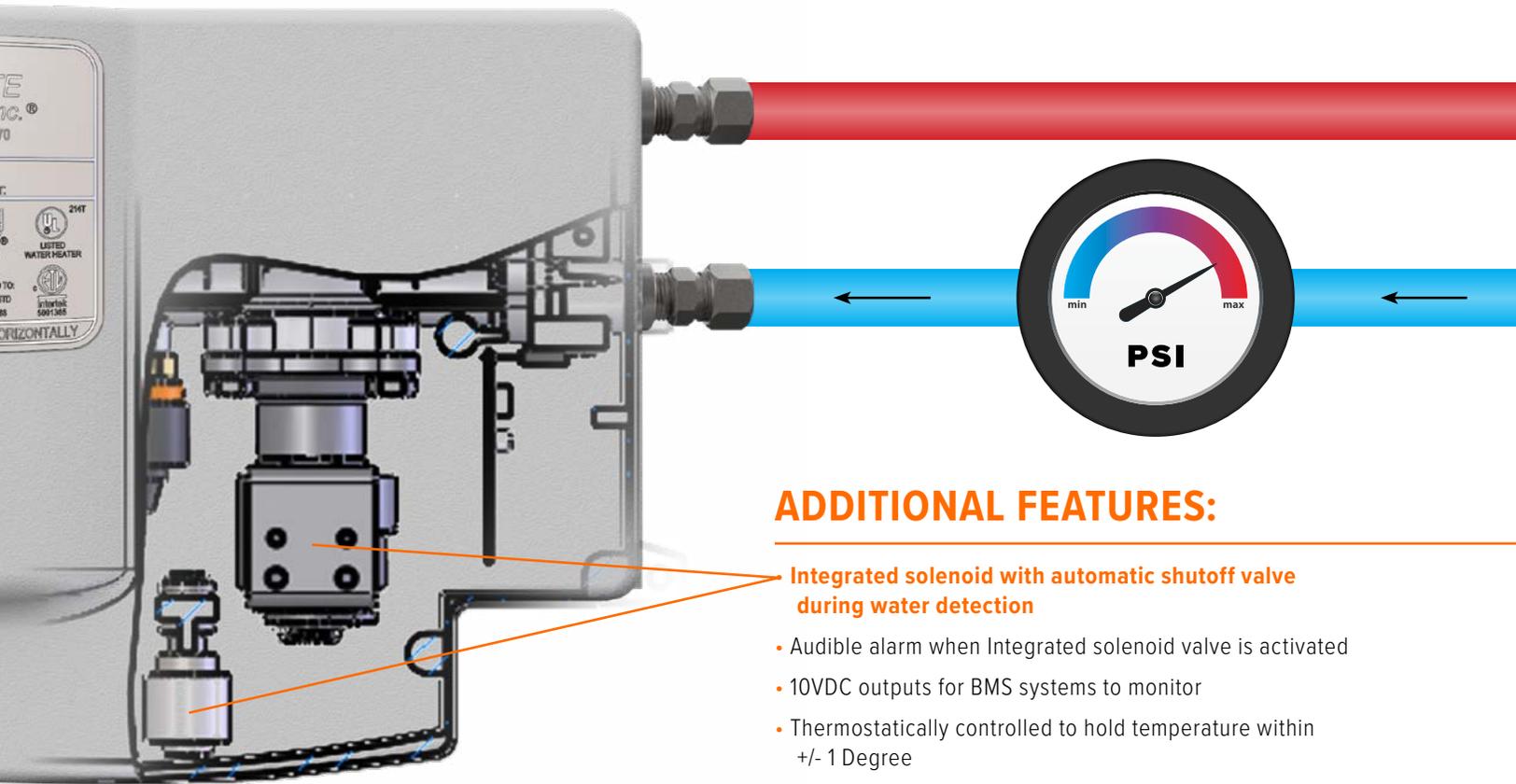
More and more owners are requesting their building equipment to be integrated into BMS. Chronomite has responded with its first BMS Monitoring heater... The Flow Secure Water Heater.

Flow Secure has many monitoring abilities, but its biggest benefit is our integrated solenoid valve. The solenoid valve will automatically cut off water coming into the heater if it senses a leak and an audible alarm will activate, giving you peace of mind and preventing costly damage to your owners building.

## MONITOR:

- Temperature Output
- KW Output
- Heater On/Off
- Solenoid Activated
- Pressure Sensor Switch >100 psi



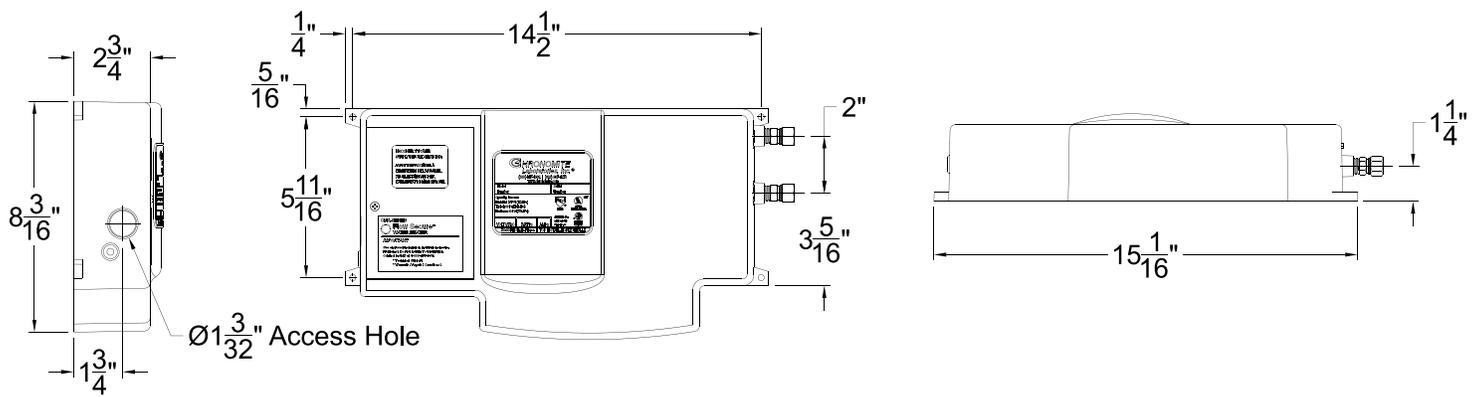


## ADDITIONAL FEATURES:

### Integrated solenoid with automatic shutoff valve during water detection

- Audible alarm when Integrated solenoid valve is activated
- 10VDC outputs for BMS systems to monitor
- Thermostatically controlled to hold temperature within +/- 1 Degree
- Ultra low flow activation – 0.2 GPM
- 99% Energy efficient





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.

#### OPTIONS

- TP** Pressure & Temp Relief Valve Assembly (TP)
- NPT08** 1/2" Male NPT (NPT08)
- 2095-1** Disconnect Switch, Rotary 40A Lockable Nema 4X (2095-1)
- C** Electrical Conduit Metallic
- C-NM** Electrical Conduit Non-Metallic (C-NM)
- AP-12** IAPMO Certified Mixing Valve Assembly Meeting ASSE 1070 Compliancy (AP-12)  
NOTE: Overall Length of CMX + AP-12 = 22-7/16"

INSTANT-FLOW® FLOW SECURE® - CMX SERIES										
LOW FLOW						°F TEMPERATURE RISE @				
MODEL	AMPS	VOLTS	90°C WIRE	WATTS	ACTIVATION GPM	0.35 GPM	0.5 GPM	1.0 GPM	1.5 GPM	2.0 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

Notes: + = Above 70 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

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



**STREET ADDRESS**  
17451 HURLEY STREET  
CITY OF INDUSTRY, CA 91744 USA

**MAILING ADDRESS**  
P.O. BOX 3527  
CITY OF INDUSTRY, CA 91744

**PHONE:** (626) 937-4270  
**E-MAIL:** [INFO@CHRONOMITE.COM](mailto:INFO@CHRONOMITE.COM)  
L1001628  
0924