INSTANT-FLOW® C-MICRO - LOW ACTIVATION

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
- Ultra Low Flow Activation - 0.20 GPM (0.75 LPM)
- Saves water and energy - 99% energy efficient
- Meet all CAL GREEN low flow requirements
- Meets LEED v4 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.
- Patent Pending
- Field Adjustable Temperature 104-125°F (40-52°C) (Option -ADJ)

Chronomite Instant-Flow® C-Micro - Low Activation 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.

GUIDE SPECIFICATION

Tankless Water Heater shall be a Chronomite Laboratories Model

CM - _____ L / ______ AMPS ______ VOLTS ______ OPTIONS

to heat to a preset temperature of:

☐ 104°F (40°C) ☐ 110°F (43°C) ☐ 120°F (49°C) (Meets ADA)

(Meets health code)

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)
☐ Field Adjustable Temperature (ADJ)
☐ Disconnect Switch, Rotary 40A - Lockable

Nema 4X (2095-1)
For the model being selected, please place the corresponding amps and volts values in the Guide Specifications on the first page.

### INSTANT-FLOW® C-MICRO - LOW ACTIVATION

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AMPS</th>
<th>VOLTS</th>
<th>90°C WIRE</th>
<th>WATTS</th>
<th>ACTIVATION GPM</th>
<th>0.35 GPM</th>
<th>0.50 GPM</th>
<th>1.00 GPM</th>
<th>1.50 GPM</th>
<th>2.00 GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-12L/120</td>
<td>12</td>
<td>120</td>
<td>14 AWG</td>
<td>1440</td>
<td>0.20</td>
<td>28</td>
<td>20</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-12L/208</td>
<td>12</td>
<td>208</td>
<td>14 AWG</td>
<td>2500</td>
<td>0.20</td>
<td>49</td>
<td>34</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-12L/240</td>
<td>12</td>
<td>240</td>
<td>14 AWG</td>
<td>2880</td>
<td>0.20</td>
<td>56</td>
<td>39</td>
<td>20</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-12L/277</td>
<td>12</td>
<td>277</td>
<td>14 AWG</td>
<td>3320</td>
<td>0.20</td>
<td>65</td>
<td>45</td>
<td>23</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-15L/120</td>
<td>15</td>
<td>120</td>
<td>14 AWG</td>
<td>1800</td>
<td>0.20</td>
<td>35</td>
<td>25</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-15L/208</td>
<td>15</td>
<td>208</td>
<td>14 AWG</td>
<td>3120</td>
<td>0.20</td>
<td>61</td>
<td>43</td>
<td>21</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-15L/240</td>
<td>15</td>
<td>240</td>
<td>14 AWG</td>
<td>3600</td>
<td>0.20</td>
<td>70</td>
<td>49</td>
<td>25</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-15L/277</td>
<td>15</td>
<td>277</td>
<td>14 AWG</td>
<td>4150</td>
<td>0.20</td>
<td>81</td>
<td>57</td>
<td>28</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-20L/120</td>
<td>20</td>
<td>120</td>
<td>12 AWG</td>
<td>2400</td>
<td>0.20</td>
<td>47</td>
<td>33</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-20L/208</td>
<td>20</td>
<td>208</td>
<td>12 AWG</td>
<td>4160</td>
<td>0.20</td>
<td>81</td>
<td>57</td>
<td>28</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>CM-20L/240</td>
<td>20</td>
<td>240</td>
<td>12 AWG</td>
<td>4800</td>
<td>0.20</td>
<td>90+</td>
<td>66</td>
<td>33</td>
<td>22</td>
<td>---</td>
</tr>
<tr>
<td>CM-20L/277</td>
<td>20</td>
<td>277</td>
<td>12 AWG</td>
<td>5540</td>
<td>0.20</td>
<td>90+</td>
<td>76</td>
<td>38</td>
<td>25</td>
<td>---</td>
</tr>
<tr>
<td>CM-30L/120</td>
<td>30</td>
<td>120</td>
<td>10 AWG</td>
<td>3600</td>
<td>0.20</td>
<td>70</td>
<td>49</td>
<td>25</td>
<td>16</td>
<td>---</td>
</tr>
<tr>
<td>CM-30L/208</td>
<td>30</td>
<td>208</td>
<td>10 AWG</td>
<td>6240</td>
<td>0.20</td>
<td>90+</td>
<td>85</td>
<td>43</td>
<td>28</td>
<td>21</td>
</tr>
<tr>
<td>CM-30L/240</td>
<td>30</td>
<td>240</td>
<td>10 AWG</td>
<td>7200</td>
<td>0.20</td>
<td>90+</td>
<td>90+</td>
<td>49</td>
<td>33</td>
<td>25</td>
</tr>
<tr>
<td>CM-30L/277</td>
<td>30</td>
<td>277</td>
<td>10 AWG</td>
<td>8310</td>
<td>0.20</td>
<td>90+</td>
<td>90+</td>
<td>57</td>
<td>38</td>
<td>28</td>
</tr>
<tr>
<td>CM-40L/208</td>
<td>40</td>
<td>208</td>
<td>8 AWG</td>
<td>8320</td>
<td>0.20</td>
<td>90+</td>
<td>90+</td>
<td>57</td>
<td>38</td>
<td>28</td>
</tr>
<tr>
<td>CM-40L/240</td>
<td>40</td>
<td>240</td>
<td>8 AWG</td>
<td>9600</td>
<td>0.20</td>
<td>90+</td>
<td>90+</td>
<td>66</td>
<td>44</td>
<td>33</td>
</tr>
</tbody>
</table>

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® C-MICRO - LOW ACTIVATION METRIC CHART

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

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.

Chronomite Laboratories assumes no responsibility for use of void or suspended data. © Copyright Chronomite Laboratories, Inc. Member of Morris Group International, City of Industry, CA Please visit www.chronomite.com for most current specifications.
INSTANT-FLOW® C-MICRO - LOW ACTIVATION

TECHNICAL DIMENSIONS

INSTANT-FLOW® C-MICRO - LOW ACTIVATION

Dimensions: 159 (H) x 244 x 70mm
Weight: 2.27 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: 60°C
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 C-Micro is ideal for sensor/hands-free faucets with the 104°F (40°C 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 pre-selected temperature.

Chronomite Laboratories assumes no responsibility for use of void or suspended data. © Copyright Chronomite Laboratories, Inc. Member of Morris Group International, City of Industry, CA. Please visit www.chronomite.com for most current specifications.
TECHNICAL DIMENSIONS

INSTANT-FLOW® C-MICRO - LOW ACTIVATION

Dimensions: 6-1/4" (H) x 9-5/8" x 2-3/4"
Weight: 5 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

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 at 110V will have approximately a 15% wattage decrease.
• Instant-Flow C-Micro is ideal for sensor/hands-free faucets with the 104°F (40°C 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 pre-selected 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.

WIRING CONNECTION

ATTENTION:
Unit must be hard wired.
NOTE: Heaters are single phase. All tests are measured at the output of the heater.