Durable, efficient metal heater. Available in Steel, 304 Stainless Steel, 316 Stainless Steel, and Titanium.

**FEATURES**

For use in most aqueous alkaline solutions, plating and phosphate tanks. Check solution recommendation chart with your chemical supplier for proper sheath material selection.

Heavy wall metal sheaths available in: steel, 304 stainless steel, 316 stainless steel, titanium.

Watt densities up to 35 watts per square inch (5.4 w/cm²) ensure long service life.

Vapor-resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit.

Temperature and level controls sized to match the heater.

Lower watt densities for highly viscous solutions.

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**DATA SHEET**

**L SERIES, METAL L-SHAPED HEATERS**

<table>
<thead>
<tr>
<th>WATTS</th>
<th>VOLS</th>
<th>HORIZ. STD.</th>
<th>SS</th>
<th>SS</th>
<th>316</th>
<th>SS</th>
<th>SS</th>
<th>TITANIUM</th>
<th>SHIP WGT.</th>
<th>LG.</th>
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<tbody>
<tr>
<td>1000</td>
<td>120</td>
<td>12</td>
<td>15</td>
<td>LP1113-R***</td>
<td>LF1113-R***</td>
<td>LS1113-R***</td>
<td>LT1113-R***</td>
<td>(4.5)</td>
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<tr>
<td>240</td>
<td></td>
<td>(330)</td>
<td>(381)</td>
<td>LF2113-R***</td>
<td>LS2113-R***</td>
<td>LT2113-R***</td>
<td>(5)</td>
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<tr>
<td>480</td>
<td></td>
<td>(432)</td>
<td>(483)</td>
<td>LF2217-R***</td>
<td>LS2217-R***</td>
<td>LT2217-R***</td>
<td>(9)</td>
<td></td>
<td></td>
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<tr>
<td>3000</td>
<td>240</td>
<td>22</td>
<td>25</td>
<td>LP3222-R***</td>
<td>LF3222-R***</td>
<td>LS3222-R***</td>
<td>LT3222-R***</td>
<td>(12)</td>
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<tr>
<td>480</td>
<td></td>
<td>(555)</td>
<td>(635)</td>
<td>LF4226-R***</td>
<td>LS4226-R***</td>
<td>LT4226-R***</td>
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<td>25</td>
<td>LP4226-R***</td>
<td>LF4226-R***</td>
<td>LS4226-R***</td>
<td>LT4226-R***</td>
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<td>37</td>
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<td>LS5231-R***</td>
<td>LT5231-R***</td>
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<td>(540)</td>
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<td>50</td>
<td>LP8244-R***</td>
<td>LF8244-R***</td>
<td>LS8244-R***</td>
<td>LT8244-R***</td>
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<tr>
<td>480</td>
<td>(1118)</td>
<td>50</td>
<td>(1270)</td>
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<td>LS9255-R***</td>
<td>LT9255-R***</td>
<td>(18)</td>
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<tr>
<td>480</td>
<td>(1270)</td>
<td>50</td>
<td>(1270)</td>
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<td>LS9450-R***</td>
<td>LT9450-R***</td>
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<td>55</td>
<td>50</td>
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<td>LF10255-R***</td>
<td>LS10255-R***</td>
<td>LT10255-R***</td>
<td>(22)</td>
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<tr>
<td>480</td>
<td>(1387)</td>
<td>50</td>
<td>(1270)</td>
<td>LF10455-R***</td>
<td>LS10455-R***</td>
<td>LT10455-R***</td>
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<td>12000</td>
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<td>LF12264-R***</td>
<td>LS12264-R***</td>
<td>LT12264-R***</td>
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<td>480</td>
<td>(1626)</td>
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<td>(1270)</td>
<td>LP12464-R***</td>
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<td>LS12464-R***</td>
<td>LT12464-R***</td>
<td>(11.3)</td>
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Temperature: Up to 180°C

120 to 600 volts, 600V on 4,500W or lower only

Watts: 1000 to 12,000

cULus listed (except steel). CE compliant (except 600 volts)

**call 1-440-974-1300 • visit processtechnology.com • or contact your local representative for more information**

DS_LMOTS_03122020
Single L Shaped Metal Bottom Heater

SPECIFICATIONS

Wattages 1000 Watts to 12,000 Watts

Voltages 120 volts to 600 volts, (600V on 4,500W or lower only)

Temperature Range Up to 180°C (82°F)

Options Special configurations & lengths
Longer wire and conduit lengths
All metal welded junction box

Safety Features Grounded construction
Thermal protector built in.
Replaceable PI protector standard for solutions up to 180°C (82°F).
See chart below for options

DIMENSIONS

MODEL NUMBER BREAKDOWN

<table>
<thead>
<tr>
<th>Series</th>
<th>Voltage</th>
<th>Wattage</th>
<th>Horizontal Length (In.)</th>
<th>Vertical Length (In.)</th>
<th>Riser Option</th>
<th>Phase</th>
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<tbody>
<tr>
<td>LP = Steel</td>
<td>1 = 120</td>
<td>1000W</td>
<td>13</td>
<td>18</td>
<td>R15</td>
<td>100V</td>
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<tr>
<td>LP = 304 stainless steel</td>
<td>2 = 240</td>
<td>2000W</td>
<td>17</td>
<td>36</td>
<td>R19</td>
<td>200V</td>
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<tr>
<td>LS = 316 stainless steel</td>
<td>3 = 300</td>
<td>3000W</td>
<td>22</td>
<td>36</td>
<td>R25</td>
<td>300V</td>
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<tr>
<td>LT = Titanium</td>
<td>4 = 400</td>
<td>4000W</td>
<td>26</td>
<td>36</td>
<td>R31</td>
<td>400V</td>
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<tr>
<td>LT = Titanium</td>
<td>5 = 500</td>
<td>5000W</td>
<td>35</td>
<td>100</td>
<td>R37</td>
<td>500V</td>
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<tr>
<td>LT = Titanium</td>
<td>6 = 600</td>
<td>6000W</td>
<td>44</td>
<td>85</td>
<td>R50</td>
<td>600V</td>
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<tr>
<td>LT = Titanium</td>
<td>7 = 700</td>
<td>7000W</td>
<td>53</td>
<td>120</td>
<td>R50</td>
<td>700V</td>
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<tr>
<td>LT = Titanium</td>
<td>8 = 800</td>
<td>8000W</td>
<td>62</td>
<td>150</td>
<td>R50</td>
<td>800V</td>
</tr>
<tr>
<td>LT = Titanium</td>
<td>9 = 900</td>
<td>9000W</td>
<td>71</td>
<td>208</td>
<td>R50</td>
<td>900V</td>
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<tr>
<td>LT = Titanium</td>
<td>10 = 1000</td>
<td>10000W</td>
<td>80</td>
<td>220</td>
<td>R50</td>
<td>10kV</td>
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<tr>
<td>LT = Titanium</td>
<td>11 = 1100</td>
<td>11000W</td>
<td>90</td>
<td>240</td>
<td>R50</td>
<td>11kV</td>
</tr>
<tr>
<td>LT = Titanium</td>
<td>12 = 1200</td>
<td>12000W</td>
<td>100</td>
<td>240</td>
<td>R50</td>
<td>12kV</td>
</tr>
</tbody>
</table>

Type of Protector
- Replaceable Fuse (Type-J TC)
- Resettable Fuse (Type-J TG)

Wire & conduit length
- 36" length standard (no designator)
- Specify variations from standard (Ex: 48" or 64")