3HXOL Series

**Fluoropolymer Heater**

**Excellent chemical resistance to aggressive acids!**

- Inert to most solutions
- Low Watt density design saves space & ensures long life
- Corrosion-resistant head
- Grounded internal metal element & non-floating construction

**Up to 100°C (212°F)**

**3,000 to 18,000 Watts**

**120 to 600 Volts**

- (600V on 12,000W or lower only)
- PTFE sleeved 304 stainless steel
- cULus
- CE (except 600 Volts)

---

**3HXOL SERIES, MULTI ELEMENT L-SHAPED FLUOROPOLYMER (PTFE) HEATERS**

<table>
<thead>
<tr>
<th>WATTS</th>
<th>VOLTS</th>
<th>WIDTH</th>
<th>LENGTH</th>
<th>STD. VERT.</th>
<th>MAX. COLD ZONE</th>
<th>MODEL NUMBER</th>
<th>SHIP WGT.</th>
<th>lbs/<strong>kg</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>3000</td>
<td>240</td>
<td>8</td>
<td>15</td>
<td>18</td>
<td>36</td>
<td>3HXOL3208-13-R-**</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>4500</td>
<td>240</td>
<td>10.5</td>
<td>11</td>
<td>18</td>
<td>35</td>
<td>3HXOL4.5210.5-11-R-**</td>
<td>21</td>
<td>(9.5)</td>
</tr>
<tr>
<td>6000</td>
<td>240</td>
<td>10.5</td>
<td>19</td>
<td>18</td>
<td>35</td>
<td>3HXOL6210.5-19-R-**</td>
<td>22</td>
<td>(10)</td>
</tr>
<tr>
<td>9000</td>
<td>240</td>
<td>10.5</td>
<td>23</td>
<td>18</td>
<td>35</td>
<td>3HXOL9210.5-23-R-**</td>
<td>36</td>
<td>(16.5)</td>
</tr>
<tr>
<td>12000</td>
<td>240</td>
<td>10.5</td>
<td>30</td>
<td>18</td>
<td>35</td>
<td>3HXOL12210.5-30-R-**</td>
<td>42</td>
<td>(19.5)</td>
</tr>
<tr>
<td>15000</td>
<td>240</td>
<td>10.5</td>
<td>36</td>
<td>18</td>
<td>31</td>
<td>3HXOL15210.5-36-R-**</td>
<td>48</td>
<td>(22)</td>
</tr>
<tr>
<td>18000</td>
<td>240</td>
<td>10.5</td>
<td>42</td>
<td>18</td>
<td>25</td>
<td>3HXOL18210.5-42-R-**</td>
<td>54</td>
<td>(24.5)</td>
</tr>
</tbody>
</table>

Three-phase standard. Guards recommended.

---

ISO 9001:2015 WITH DESIGN CERTIFIED

North America +1 800 621 1998 • International +1 440 974 1300 • processtechnology.com
### Features & Values

- Inert to most aqueous acid, alkaline, anodizing, & pickling solutions up to 100°C (212°F)
- Rugged, heavy wall PTFE covered stainless steel element reduces permeation. Guaranteed 100% pinhole free
- Space saving & long service life with low Watt density design of 10 W/in² (1.5 W/cm²)
- Vapor-resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit
- Optional patented purge feature promotes a longer heater life by reducing chemical permeation
- Lower Watt densities available for highly viscous solutions & technical acids

### Specifications

**Wattages**

3,000 to 18,000 Watts

**Voltages**

120 to 600 Volts. *600 volt not available on 15 kW to 18 kW.

**Temperature Range**

Up to 100°C (212°F)

**Safety Features**

- Grounded internal metal element
- Built-in internal metal protector. Replaceable P1 protector standard for up to 82°C (180°F). Other options available
- Non-floating construction

**Certifications**

cULus listed
CE compliant (except 600V)

---

### Dimensions

![Diagram of 3HXOL Series Heater](ds05102018)

### Model Number Breakdown

<table>
<thead>
<tr>
<th>Series</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Width</th>
<th>Heater Pad Length</th>
<th>Vertical Length</th>
<th>Phase</th>
<th>Type of Protector</th>
<th>Wire &amp; Conduit Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3HXOL</td>
<td>3,000</td>
<td>120</td>
<td>50n</td>
<td>0.31n</td>
<td>1/2&quot; CONDUIT</td>
<td>R18</td>
<td>Replaceable Fuse</td>
<td>18&quot; length standard (no designator)</td>
</tr>
<tr>
<td></td>
<td>4,500</td>
<td>240</td>
<td>50n</td>
<td>0.31n</td>
<td>1/2&quot; CONDUIT</td>
<td>R18</td>
<td>Replaceable Fuse</td>
<td>Specify variations from standard Ex.-X84 = 84&quot;</td>
</tr>
<tr>
<td></td>
<td>6,000</td>
<td>380</td>
<td>50n</td>
<td>0.31n</td>
<td>1/2&quot; CONDUIT</td>
<td>R18</td>
<td>Replaceable Fuse</td>
<td>18&quot; length standard (no designator)</td>
</tr>
<tr>
<td></td>
<td>9,000</td>
<td>480</td>
<td>50n</td>
<td>0.31n</td>
<td>1/2&quot; CONDUIT</td>
<td>R18</td>
<td>Replaceable Fuse</td>
<td>Specify variations from standard Ex.-X84 = 84&quot;</td>
</tr>
<tr>
<td></td>
<td>12,000</td>
<td>600</td>
<td>50n</td>
<td>0.31n</td>
<td>1/2&quot; CONDUIT</td>
<td>R18</td>
<td>Replaceable Fuse</td>
<td>18&quot; length standard (no designator)</td>
</tr>
<tr>
<td></td>
<td>15,000</td>
<td>800</td>
<td>50n</td>
<td>0.31n</td>
<td>1/2&quot; CONDUIT</td>
<td>R18</td>
<td>Replaceable Fuse</td>
<td>Specify variations from standard Ex.-X84 = 84&quot;</td>
</tr>
<tr>
<td></td>
<td>18,000</td>
<td>1,000</td>
<td>50n</td>
<td>0.31n</td>
<td>1/2&quot; CONDUIT</td>
<td>R18</td>
<td>Replaceable Fuse</td>
<td>18&quot; length standard (no designator)</td>
</tr>
</tbody>
</table>

---

*Wire & Conduit Length: 18" length standard (no designator) Specify variations from standard Ex.-X84 = 84"*