THROUGH FLOW HEATERS

Through Flow Heaters – Energy and cost efficient heating solution

Through Flow Heaters are widely used for heating of water, oils and gases.

A Through Flow Heater consists of a vessel with connections for inlet and outlet, electric heater, junction box, and a device for temperature control.

Since all heat is generated within the media, a highly energy-efficient heating is achieved.

A broad range of options for temperature control are available, ensuring an accurate monitoring and control of the process temperature.

IHPs Through Flow Heaters are available in a wide range of materials, effects, and also with required safety equipment.

IHP also supply models customized according to customer specifications. Please contact our technical sales team for further information!

Materials
• Vessel / Tube: Acid proof steel AISI 316L or AISI 321 stainless steel
• Element: Copper-nickel, stainless steel, acid proof steel, titanium, Incoloy® -800 and Incoloy® -825.

Typical Applications
• Process Heating
• Heating of water, oil and gases
• Heat pumps, floor heating etc.
Standard model IHP-TR-AC
Through Flow Heater model IHP-TR-AC, for heating oil. Element made of stainless steel, AISI 321. Design temperature 125°C. Working pressure 3 Bar, maximum pressure is 6 Bar

<table>
<thead>
<tr>
<th>IHP part no.</th>
<th>Power (W)</th>
<th>Specific power (W/cm²)</th>
<th>Thermostat range</th>
<th>Connection</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHP-TR-IN-0010</td>
<td>1250</td>
<td>2,5</td>
<td>36-125°C</td>
<td>G1&quot;</td>
<td>565 390</td>
</tr>
<tr>
<td>IHP-TR-IN-0022</td>
<td>2250</td>
<td>2,5</td>
<td>36-125°C</td>
<td>G1&quot;</td>
<td>665 490</td>
</tr>
<tr>
<td>IHP-TR-IN-0030</td>
<td>3000</td>
<td>2,6</td>
<td>36-125°C</td>
<td>G1&quot;</td>
<td>790 615</td>
</tr>
<tr>
<td>IHP-TR-IN-0045</td>
<td>4500</td>
<td>2,5</td>
<td>36-125°C</td>
<td>G1&quot;</td>
<td>1100 925</td>
</tr>
<tr>
<td>IHP-TR-IN-0060</td>
<td>6000</td>
<td>2,5</td>
<td>36-125°C</td>
<td>G1&quot;</td>
<td>1315 1140</td>
</tr>
<tr>
<td>IHP-TR-IN-0090</td>
<td>9000</td>
<td>2,7</td>
<td>36-125°C</td>
<td>G1&quot;</td>
<td>1715 1540</td>
</tr>
</tbody>
</table>

Standard model IHP-TR-II
Through Flow Heater model IHP-TR-II, for heating water or other liquids. Elements made of AISI 316L stainless steel. Design temperature 90°C. Working pressure 3 Bar, maximum pressure is 6 Bar

<table>
<thead>
<tr>
<th>IHP part no.</th>
<th>Power (W)</th>
<th>Specific power (W/cm²)</th>
<th>Thermostat range</th>
<th>Connection</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHP-TR-IN-II0030</td>
<td>3000</td>
<td>6,6</td>
<td>30-85°C</td>
<td>G1&quot;</td>
<td>565 390</td>
</tr>
<tr>
<td>IHP-TR-IN-II0045</td>
<td>4500</td>
<td>6,5</td>
<td>30-85°C</td>
<td>G1&quot;</td>
<td>665 490</td>
</tr>
<tr>
<td>IHP-TR-IN-II0060</td>
<td>6000</td>
<td>6,2</td>
<td>30-85°C</td>
<td>G1&quot;</td>
<td>790 615</td>
</tr>
</tbody>
</table>
### THROUGH FLOW HEATERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>kW</th>
<th>Temperature</th>
<th>Type</th>
<th>Inlet</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHP-TR-IN-II0090</td>
<td>9000</td>
<td>6.3</td>
<td>30-85°C</td>
<td>G1*</td>
<td>1100</td>
<td>925</td>
</tr>
<tr>
<td>IHP-TR-IN-II0120</td>
<td>12000</td>
<td>6.4</td>
<td>0-90°C</td>
<td>G1*</td>
<td>1315</td>
<td>1140</td>
</tr>
</tbody>
</table>