D6 INDUSTRIES
STANDARD PRODUCT
HB-2P-0225-CU-C

SIMULATION RESULTS
1-2 gpm flow rates
Distributed 100W
PARAMETERS
Fluid: Water
Inlet Flow: 1 gpm
Inlet Fluid Temp: 20°C
Heat Source: 100W distributed
Surface Area: 2.25” x 2.25”
Tube: 3/8 OD Copper

Simulation Data

<table>
<thead>
<tr>
<th>Goal Name</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG Min Temperature (Solid) 1</td>
<td>°C</td>
<td>21.81571519</td>
</tr>
<tr>
<td>SG Av Temperature (Solid) 1</td>
<td>°C</td>
<td>25.78182859</td>
</tr>
<tr>
<td>SG Max Temperature (Solid) 1</td>
<td>°C</td>
<td>27.266003</td>
</tr>
<tr>
<td>SG AVG TEMP WATER OUT</td>
<td>°C</td>
<td>20.38935019</td>
</tr>
<tr>
<td>PRESSURE DROP</td>
<td>lbf/in^2</td>
<td>0.349058436</td>
</tr>
</tbody>
</table>

SG-Surface goal is a parameter on selected surface(s). In this case, it is the entire tube side surface area.

RESULTS
Thermal Resistance: 0.058°C/W
Pressure Drop: 0.349psi
Min Surface Temp: 21.81°C
Max Surface Temp: 27.26°C
Water Temp Out: 20.39°C
PARAMETERS
Fluid: Water
Inlet Flow: 1.5 gpm
Inlet Fluid Temp: 20°C
Heat Source: 100W distributed
Surface Area: 2.25” x 2.25”
Tube: 3/8 OD Copper

RESULTS
Thermal Resistance: 0.039°C/W
Pressure Drop: 0.745psi
Min Surface Temp: 21.04°C
Max Surface Temp: 25.00°C
Water Temp Out: 20.26°C

Simulation Data

<table>
<thead>
<tr>
<th>Goal Name</th>
<th>Unit</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>SG Min Temperature (Solid) 1</td>
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<td>21.04488381</td>
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<tr>
<td>SG Av Temperature (Solid) 1</td>
<td>°C</td>
<td>23.97341892</td>
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<tr>
<td>SG Max Temperature (Solid) 1</td>
<td>°C</td>
<td>25.00113689</td>
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<tr>
<td>SG AVG TEMP WATER OUT</td>
<td>°C</td>
<td>20.25929659</td>
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<tr>
<td>PRESSURE DROP</td>
<td>lbf/in^2</td>
<td>0.744709949</td>
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</tbody>
</table>

SG-Surface goal is a parameter on selected surface(s). In this case, it is the entire tube side surface area.
PARAMETERS
Fluid: Water
Inlet Flow: 2 gpm
Inlet Fluid Temp: 20°C
Heat Source: 100W distributed
Surface Area: 2.25” x 2.25”
Tube: 3/8 OD Copper

Simulation Data

<table>
<thead>
<tr>
<th>Goal Name</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG Min Temperature (Solid) 1</td>
<td>°C</td>
<td>20.72969443</td>
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<tr>
<td>SG Av Temperature (Solid) 1</td>
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<td>SG Max Temperature (Solid) 1</td>
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<td>SG AVG TEMP WATER OUT</td>
<td>°C</td>
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<tr>
<td>PRESSURE DROP</td>
<td>lbf/in^2</td>
<td>1.267137265</td>
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</tbody>
</table>

RESULTS
Thermal Resistance: 0.033°C/W
Pressure Drop: 1.267psi
Min Surface Temp: 20.73°C
Max Surface Temp: 24.19°C
Water Temp Out: 20.19°C

SG-Surface goal is a parameter on selected surface(s). In this case, it is the entire tube side surface area.