



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

SIMULATION RESULTS

1-2 gpm flow rates  
Distributed 100W

# D6 STANDARD- HB-2P-0225-CU-C



## PARAMETERS

Fluid: Water

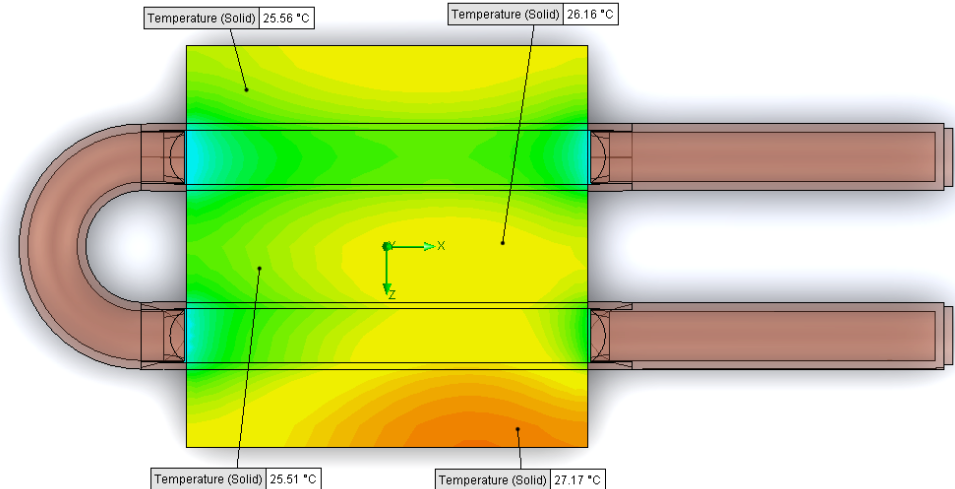
Inlet Flow: 1 gpm

Inlet Fluid Temp: 20°C

Heat Source: 100W distributed

Surface Area: 2.25" x 2.25"

Tube: 3/8 OD Copper



## Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	21.81571519
SG Av Temperature (Solid) 1	[°C]	25.78182859
SG Max Temperature (Solid) 1	[°C]	27.266003
SG AVG TEMP WATER OUT	[°C]	20.38935019
PRESSURE DROP	[lbf/in^2]	0.349058436

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

# D6 STANDARD- HB-2P-0225-CU-C



## PARAMETERS

Fluid: Water

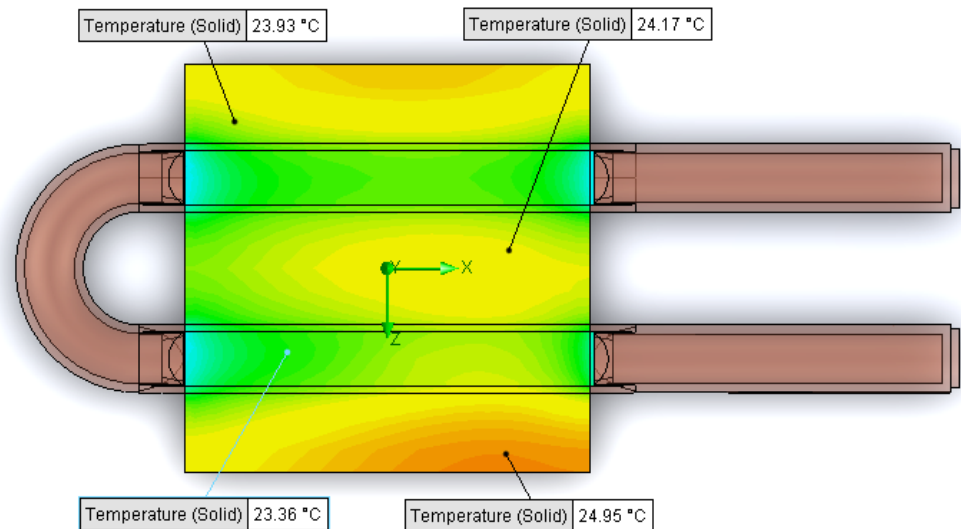
Inlet Flow: 1.5 gpm

Inlet Fluid Temp: 20°C

Heat Source: 100W distributed

Surface Area: 2.25" x 2.25"

Tube: 3/8 OD Copper



## Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	21.04488381
SG Av Temperature (Solid) 1	[°C]	23.97341892
SG Max Temperature (Solid) 1	[°C]	25.00113689
SG AVG TEMP WATER OUT	[°C]	20.25929659
PRESSURE DROP	[lbf/in^2]	0.744709949

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

## RESULTS

Thermal Resistance: 0.039°C/W

Pressure Drop: 0.745psi

Min Surface Temp: 21.04°C

Max Surface Temp: 25.00°C

Water Temp Out: 20.26°C

# D6 STANDARD- HB-2P-0225-CU-C



## PARAMETERS

Fluid: Water

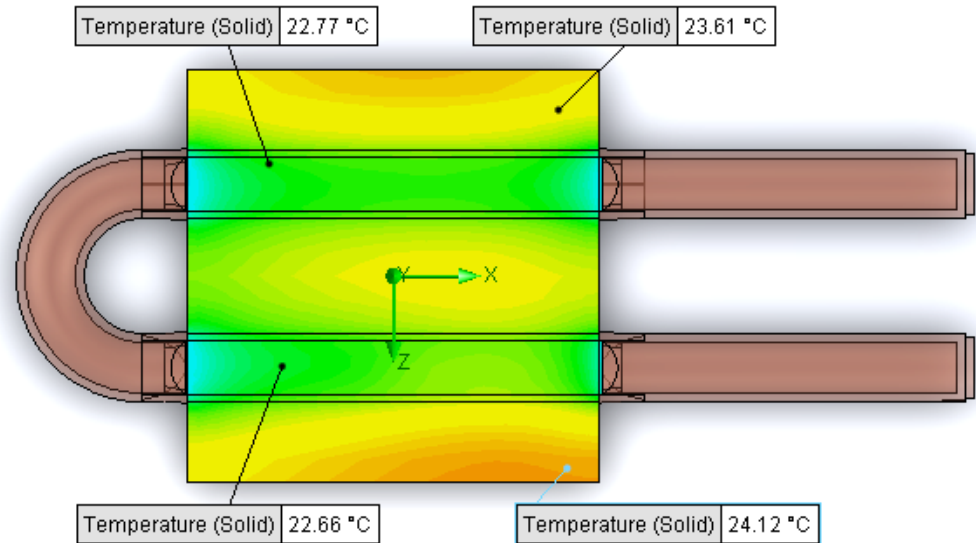
Inlet Flow: 2 gpm

Inlet Fluid Temp: 20°C

Heat Source: 100W distributed

Surface Area: 2.25" x 2.25"

Tube: 3/8 OD Copper



## Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	20.72969443
SG Av Temperature (Solid) 1	[°C]	23.28295045
SG Max Temperature (Solid) 1	[°C]	24.19507857
SG AVG TEMP WATER OUT	[°C]	20.19511555
PRESSURE DROP	[lbf/in^2]	1.267137265

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

## RESULTS

Thermal Resistance: 0.033°C/W

Pressure Drop: 1.267psi

Min Surface Temp: 20.73°C

Max Surface Temp: 24.19°C

Water Temp Out: 20.19°C