D6 INDUSTRIES
STANDARD PRODUCT
HB-2P-1200-CU-C

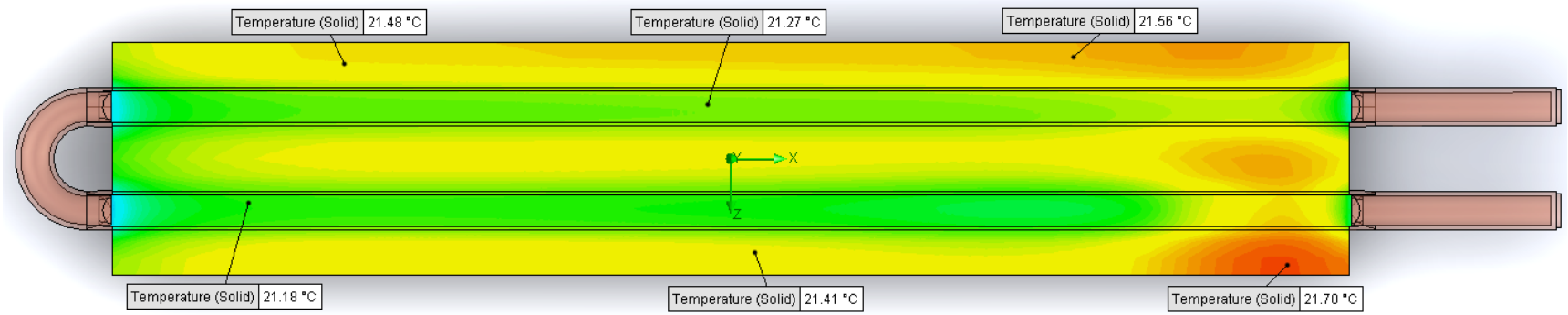
SIMULATION RESULTS

1-2 gpm flow rates
Distributed 100W

Rev A

D6 STANDARD- HB-2P-1200-CU-C

PARAMETERS
Fluid: Water
Inlet Flow: 1 gpm
Inlet Fluid Temp: 20°C
Heat Source: 100W distributed
Surface Area: 2.25” x 12.00”
Tube: 3/8 OD Copper



Simulation Data

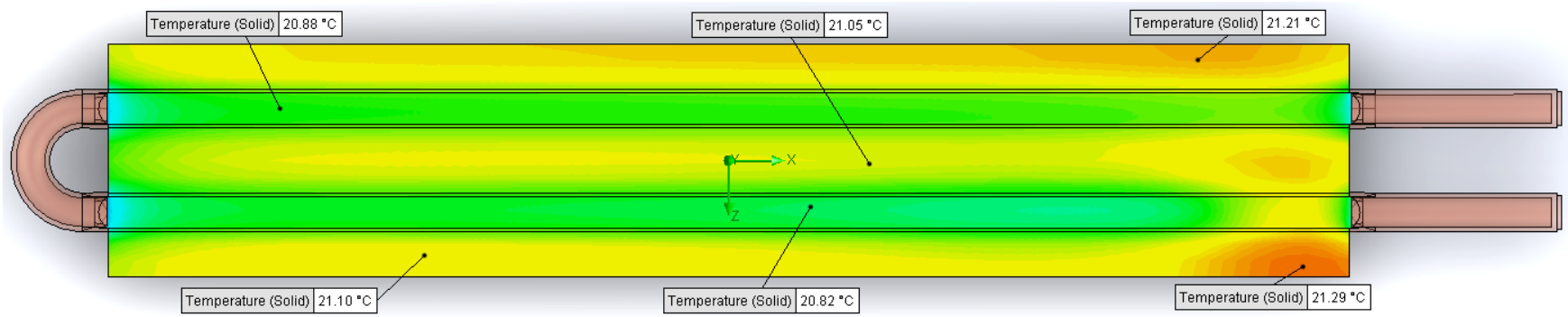
Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	20.53304417
SG Av Temperature (Solid) 1	[°C]	21.37319854
SG Max Temperature (Solid) 1	[°C]	21.74318447
WATER OUT	[°C]	20.43125541
PRESSURE DROP	[lbf/in^2]	0.918998833

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

RESULTS
Thermal Resistance: 0.0137°C/W
Pressure Drop: 0.91psi
Min Surface Temp: 20.53°C
Max Surface Temp: 21.74°C
Water Temp Out: 20.43°C

D6 STANDARD- HB-2P-1200-CU-C

PARAMETERS
Fluid: Water
Inlet Flow: 1.5 gpm
Inlet Fluid Temp: 20°C
Heat Source: 100W distributed
Surface Area: 2.25” x 12.00”
Tube: 3/8 OD Copper



Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	20.35165756
SG Av Temperature (Solid) 1	[°C]	21.01696159
SG Max Temperature (Solid) 1	[°C]	21.32853426
WATER OUT	[°C]	20.30610111
PRESSURE DROP	[lbf/in^2]	1.870557885

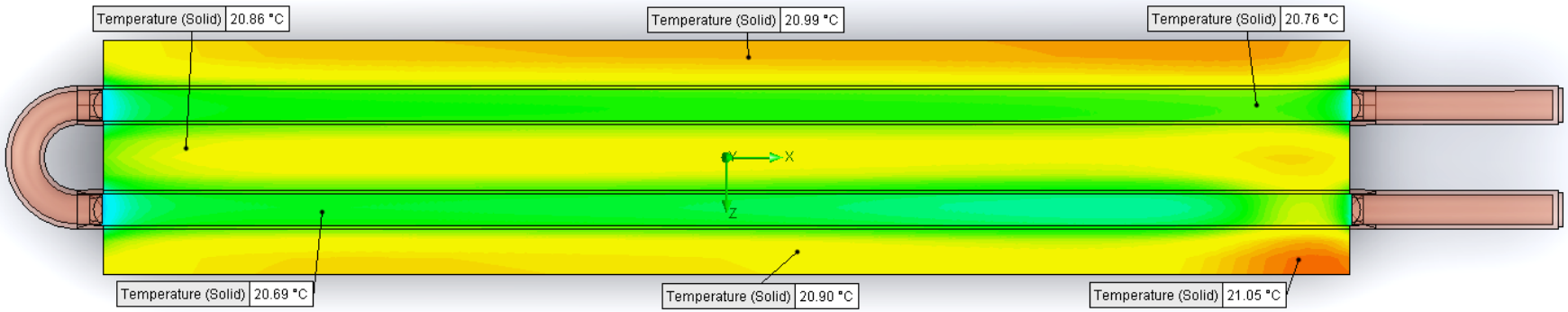
SG-Surface goal is a parameter on selected surface(s). In this case, it is the entire tube side surface area.

RESULTS

Thermal Resistance: 0.0101°C/W
Pressure Drop: 1.87psi
Min Surface Temp: 20.35°C
Max Surface Temp: 21.32°C
Water Temp Out: 20.30°C

D6 STANDARD- HB-2P-1200-CU-C

PARAMETERS
Fluid: Water
Inlet Flow: 2 gpm
Inlet Fluid Temp: 20°C
Heat Source: 100W distributed
Surface Area: 2.25” x 12.00”
Tube: 3/8 OD Copper



Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	20.26875445
SG Av Temperature (Solid) 1	[°C]	20.84108669
SG Max Temperature (Solid) 1	[°C]	21.0922696
WATER OUT	[°C]	20.24471797
PRESSURE DROP	[lbf/in^2]	3.124038876

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

RESULTS
Thermal Resistance: 0.0084°C/W
Pressure Drop: 3.12psi
Min Surface Temp: 20.26°C
Max Surface Temp: 21.09°C
Water Temp Out: 3.12°C