



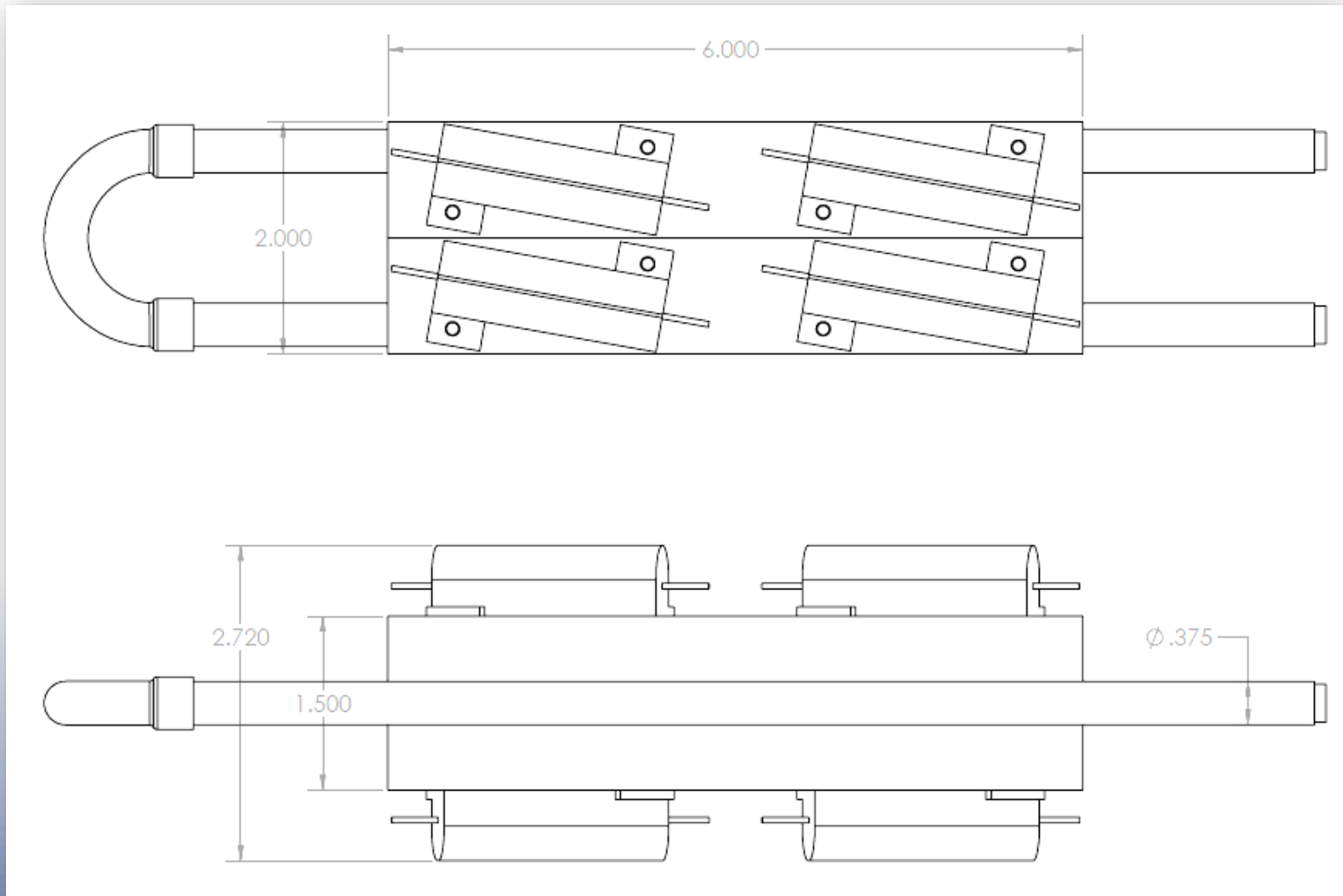
D6 INDUSTRIES

Load Bank

LB-0600-8R

1-2 gpm flow rates

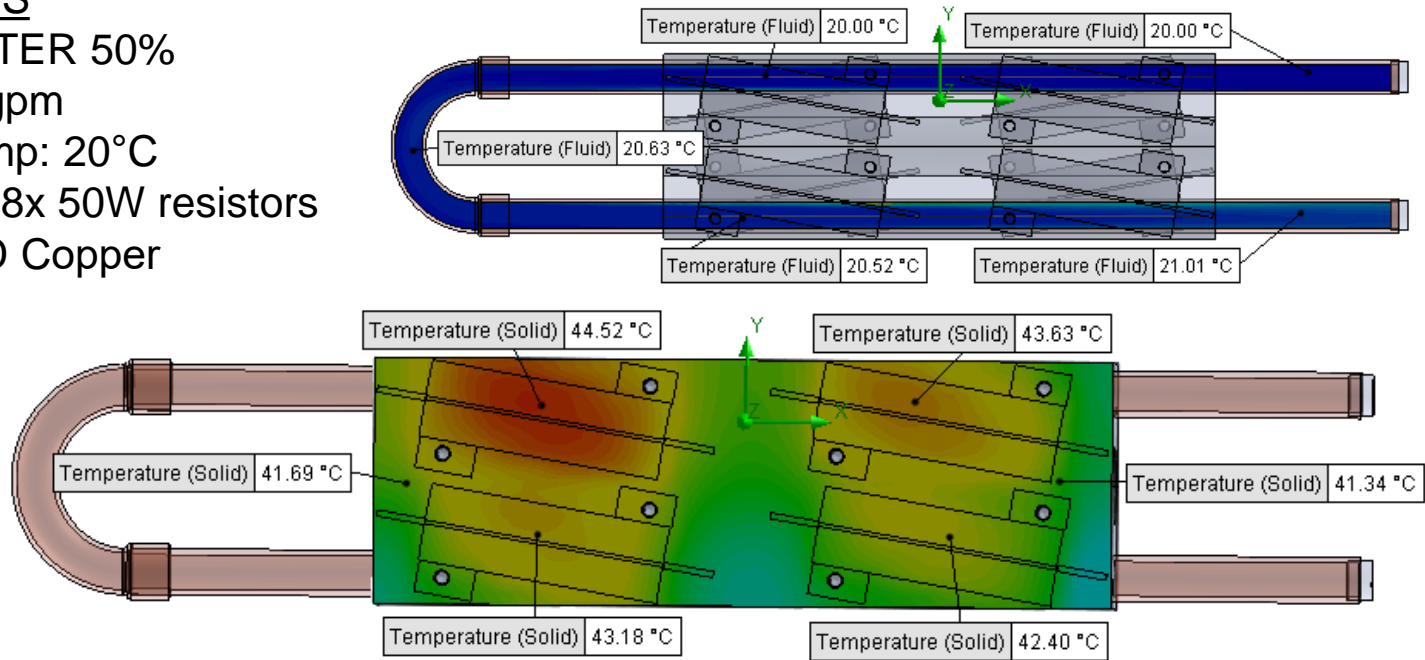
8X 50W Resistors



LB-0600-8R @ 1 GPM

PARAMETERS

Fluid: EG/WATER 50%
 Inlet Flow: 1 gpm
 Inlet Fluid Temp: 20°C
 Heat Source: 8x 50W resistors
 Tube: 3/8" OD Copper



Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	39.13436938
SG Av Temperature (Solid) 1	[°C]	41.60116839
SG Max Temperature (Solid) 1	[°C]	44.60550093
WATER OUT	[°C]	21.27735093
PRESSURE DROP	[lbf/in^2]	0.797109231

SG-Surface goal is a parameter on selected surface(s)..

RESULTS

Thermal Resistance: 0.1080°C/W
 Pressure Drop: 0.79psi
 Min Surface Temp: 39.13°C
 Max Surface Temp: 44.60°C
 Water Temp Out: 21.27°C

LB-0600-8R @ 1.5 GPM

PARAMETERS

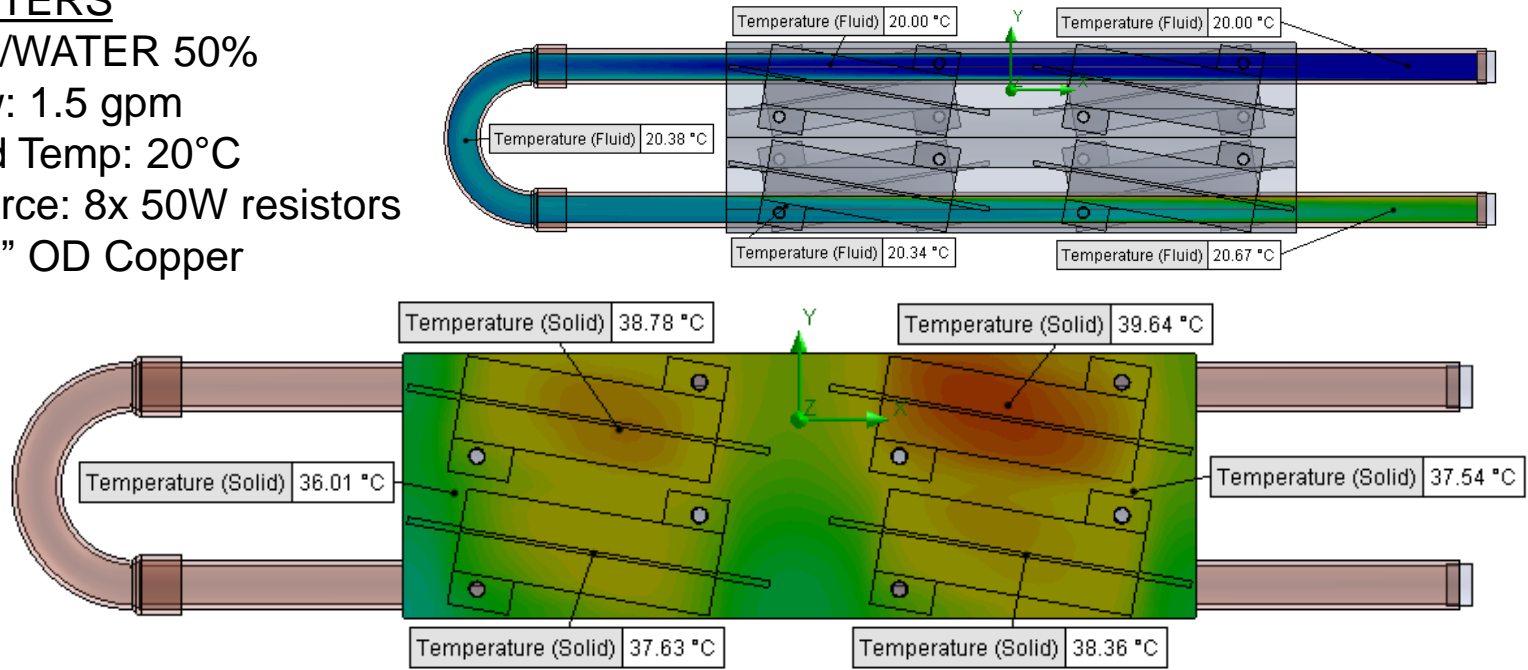
Fluid: EG/WATER 50%

Inlet Flow: 1.5 gpm

Inlet Fluid Temp: 20°C

Heat Source: 8x 50W resistors

Tube: 3/8" OD Copper



Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	34.45515939
SG Av Temperature (Solid) 1	[°C]	36.81493554
SG Max Temperature (Solid) 1	[°C]	39.74848791
WATER OUT	[°C]	20.85313389
PRESSURE DROP	[lbf/in ²]	1.606848864

SG-Surface goal is a parameter on selected surface(s)..

RESULTS

Thermal Resistance: 0.0840°C/W

Pressure Drop: 1.60psi

Min Surface Temp: 34.45°C

Max Surface Temp: 39.74°C

Water Temp Out: 20.85°C

LB-0600-8R @ 2 GPM



PARAMETERS

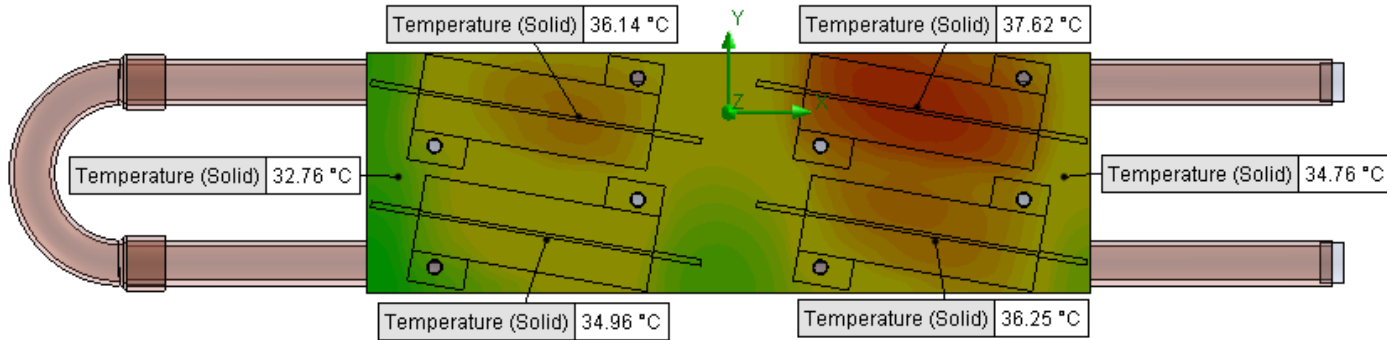
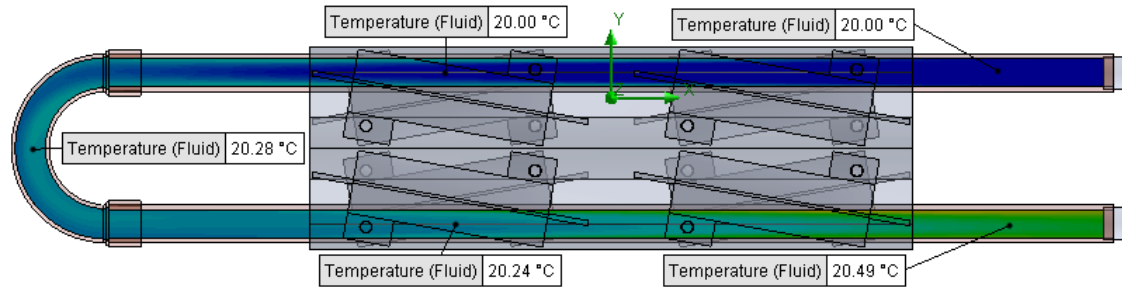
Fluid: EG/WATER 50%

Inlet Flow: 2 gpm

Inlet Fluid Temp: 20°C

Heat Source: 8x 50W resistors

Tube: 3/8" OD Copper



Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	31.61204969
SG Av Temperature (Solid) 1	[°C]	34.46506992
SG Max Temperature (Solid) 1	[°C]	37.74388545
WATER OUT	[°C]	20.63787537
PRESSURE DROP	[lbf/in^2]	2.595621632

SG-Surface goal is a parameter on selected surface(s)..

RESULTS

Thermal Resistance: 0.0723°C/W

Pressure Drop: 2.59psi

Min Surface Temp: 31.61°C

Max Surface Temp: 37.74°C

Water Temp Out: 20.63°C