



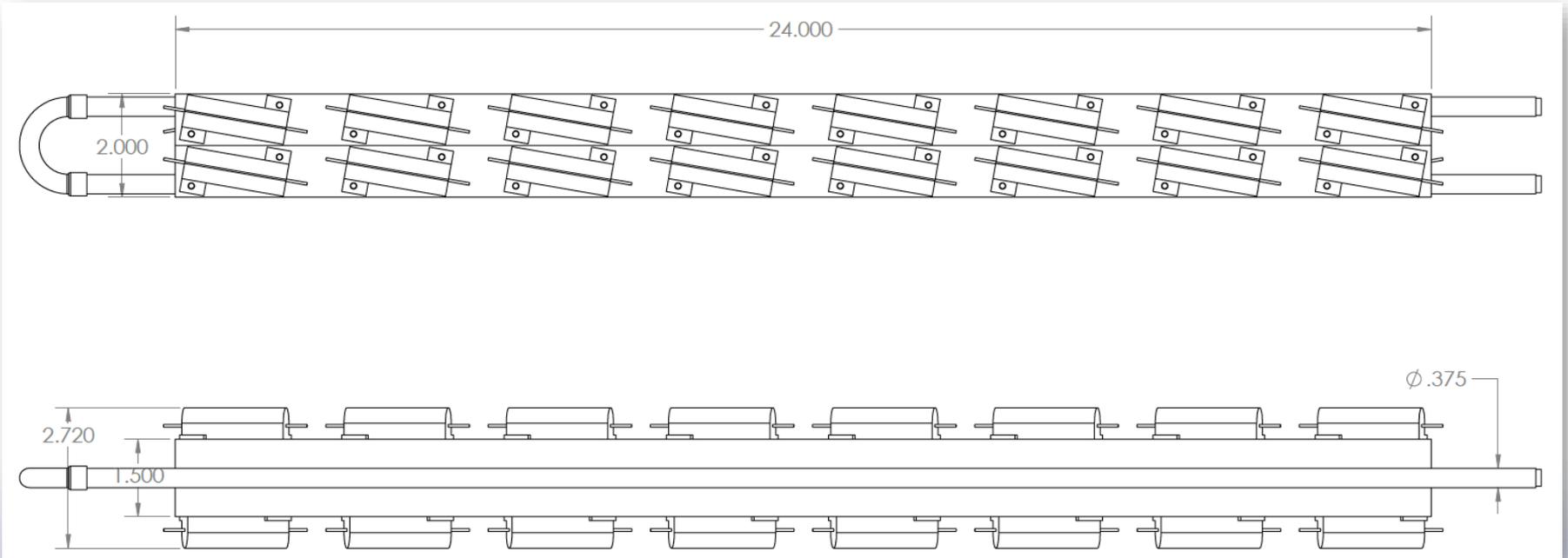
D6 INDUSTRIES

Load Bank

LB-2400-32R

1-2 gpm flow rates

32X 50W Resistors



LB-2400-32R @ 1 GPM



PARAMETERS

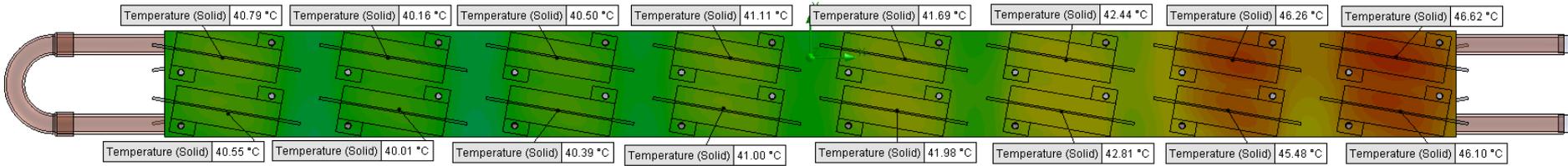
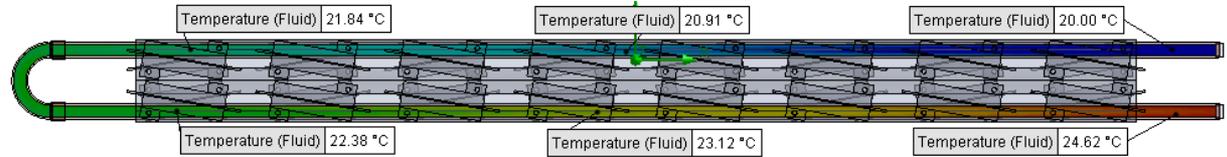
Fluid: EG/WATER 50%

Inlet Flow: 1 gpm

Inlet Fluid Temp: 20°C

Heat Source: 32x 50W resistors

Tube: 3/8" OD Copper



Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	37.5396081
SG Av Temperature (Solid) 1	[°C]	40.69253899
SG Max Temperature (Solid) 1	[°C]	46.72258798
WATER OUT	[°C]	24.78567387
PRESSURE DROP	[lbf/in^2]	2.125712296

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

RESULTS

Thermal Resistance: 0.0258°C/W

Pressure Drop: 2.12psi

Min Surface Temp: 37.53°C

Max Surface Temp: 46.72°C

Water Temp Out: 24.78°C

LB-2400-32R @ 1.5 GPM



PARAMETERS

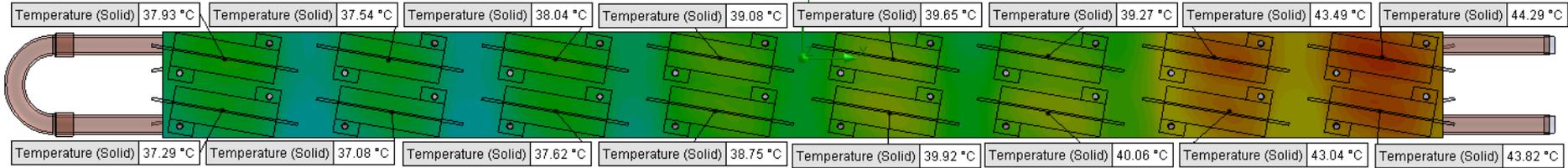
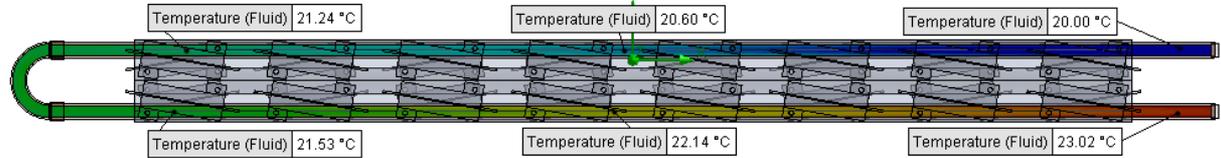
Fluid: EG/WATER 50%

Inlet Flow: 1.5 gpm

Inlet Fluid Temp: 20°C

Heat Source: 32x 50W resistors

Tube: 3/8" OD Copper



Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	34.61013462
SG Av Temperature (Solid) 1	[°C]	38.14951225
SG Max Temperature (Solid) 1	[°C]	44.35944744
WATER OUT	[°C]	23.18331003
PRESSURE DROP	[lbf/in^2]	3.960171738

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

RESULTS

Thermal Resistance: 0.0226°C/W

Pressure Drop: 3.96psi

Min Surface Temp: 34.61°C

Max Surface Temp: 44.35°C

Water Temp Out: 23.18°C

LB-2400-32R @ 2 GPM



PARAMETERS

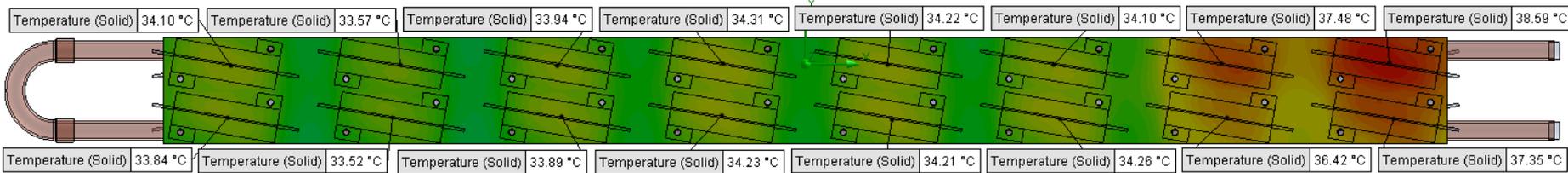
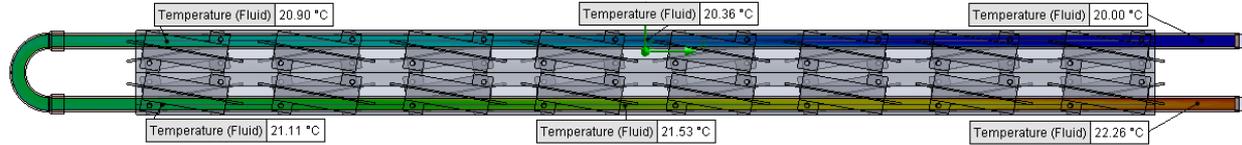
Fluid: EG/WATER 50%

Inlet Flow: 2 gpm

Inlet Fluid Temp: 20°C

Heat Source: 32x 50W resistors

Tube: 3/8" OD Copper



Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	31.10025215
SG Av Temperature (Solid) 1	[°C]	33.20753305
SG Max Temperature (Solid) 1	[°C]	38.68787637
WATER OUT	[°C]	22.42312452
PRESSURE DROP	[lbf/in^2]	6.052826614

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

RESULTS

Thermal Resistance: 0.0165°C/W

Pressure Drop: 6.05psi

Min Surface Temp: 31.10°C

Max Surface Temp: 38.68°C

Water Temp Out: 22.42°C