



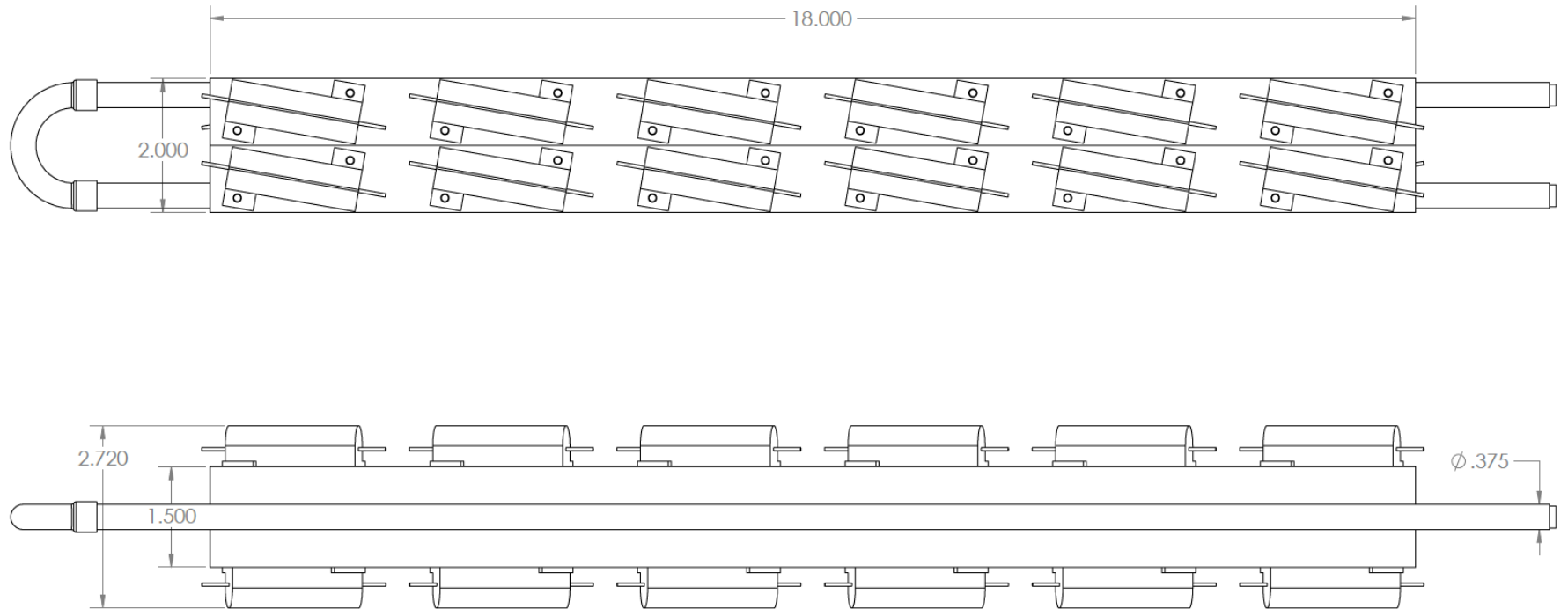
**D6 INDUSTRIES**

**Load Bank**

**LB-1800-24R**

1-2 gpm flow rates

24X 50W Resistors



# LB-1800-24R @ 1 GPM



## PARAMETERS

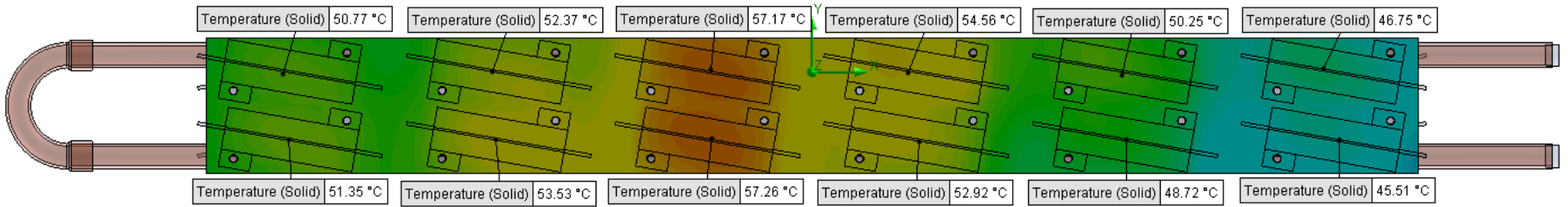
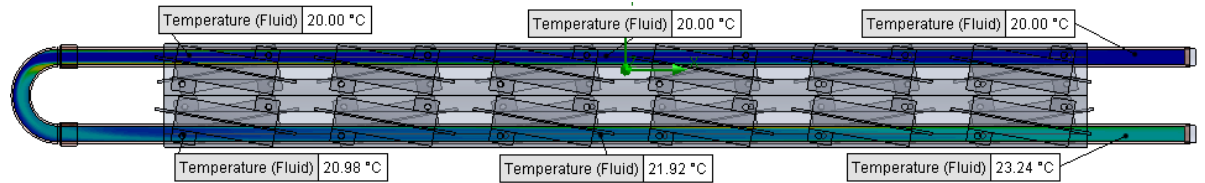
Fluid: EG/WATER 50%

Inlet Flow: 1 gpm

Inlet Fluid Temp: 20°C

Heat Source: 24x 50W resistors

Tube: 3/8" OD Copper



## Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	42.84155089
SG Av Temperature (Solid) 1	[°C]	50.304049
SG Max Temperature (Solid) 1	[°C]	57.45045739
WATER OUT	[°C]	23.5806486
PRESSURE DROP	[lbf/in^2]	1.605009609

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

## RESULTS

Thermal Resistance: 0.0505°C/W

Pressure Drop: 1.60psi

Min Surface Temp: 42.84°C

Max Surface Temp: 57.45°C

Water Temp Out: 23.58°C

# LB-1800-24R @ 1.5 GPM



## PARAMETERS

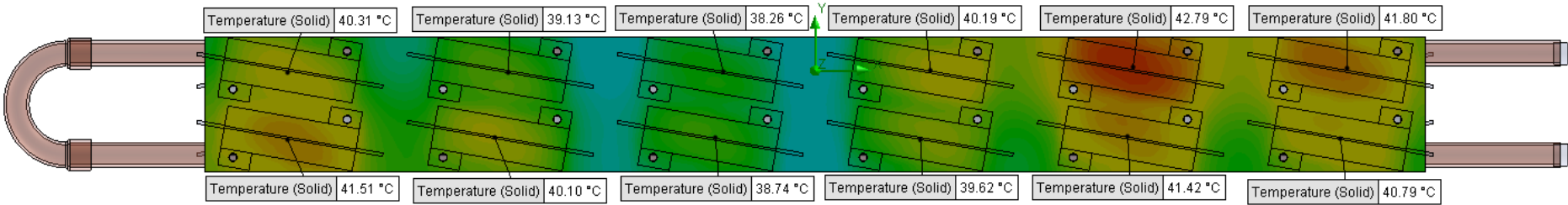
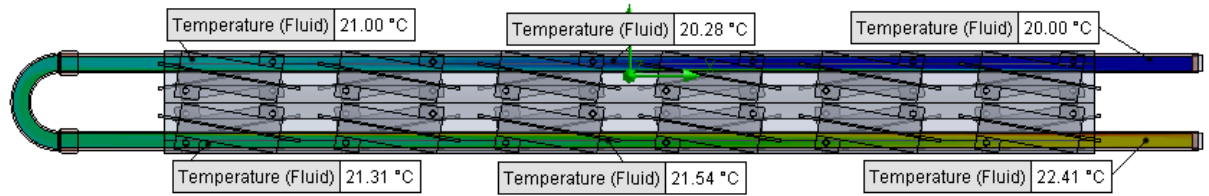
Fluid: EG/WATER 50%

Inlet Flow: 1.5 gpm

Inlet Fluid Temp: 20°C

Heat Source: 24x 50W resistors

Tube: 3/8" OD Copper



## Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	35.77805382
SG Av Temperature (Solid) 1	[°C]	38.65340532
SG Max Temperature (Solid) 1	[°C]	42.96890981
WATER OUT	[°C]	22.40312723
PRESSURE DROP	[lbf/in^2]	3.864310367

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

## RESULTS

Thermal Resistance: 0.0310°C/W

Pressure Drop: 3.86psi

Min Surface Temp: 35.77°C

Max Surface Temp: 42.96°C

Water Temp Out: 22.40°C

# LB-1800-24R @ 2 GPM



## PARAMETERS

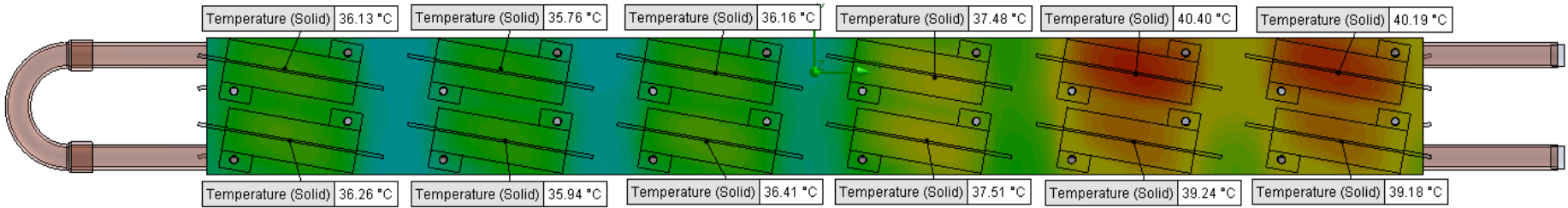
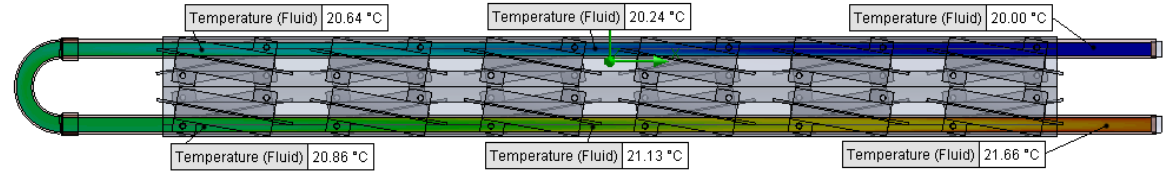
Fluid: EG/WATER 50%

Inlet Flow: 2 gpm

Inlet Fluid Temp: 20°C

Heat Source: 24x 50W resistors

Tube: 3/8" OD Copper



## Simulation Data

Goal Name	Unit	Value
SG Min Temperature (Solid) 1	[°C]	33.14153588
SG Av Temperature (Solid) 1	[°C]	35.81300209
SG Max Temperature (Solid) 1	[°C]	40.57148036
WATER OUT	[°C]	21.7973223
PRESSURE DROP	[lbf/in^2]	6.655242398

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

## RESULTS

Thermal Resistance: 0.0263°C/W

Pressure Drop: 6.65psi

Min Surface Temp: 33.14°C

Max Surface Temp: 40.57°C

Water Temp Out: 21.79°C