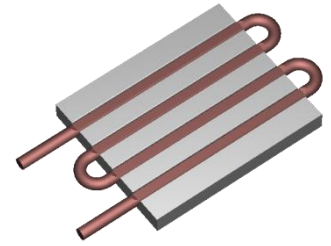


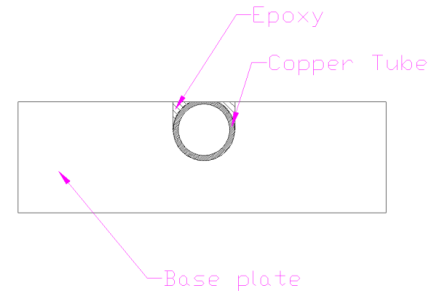
# Exposed Tube Liquid Cold Plates

Wakefield- Vette's exposed tube liquid cold plates ensure minimum thermal resistance between the power device and the cold plate by placing the coolant tube in direct contact with the power device's base. Direct contact reduces the number of thermal interfaces between device and fluid thus increasing performance for the application.



## Key Specifications:

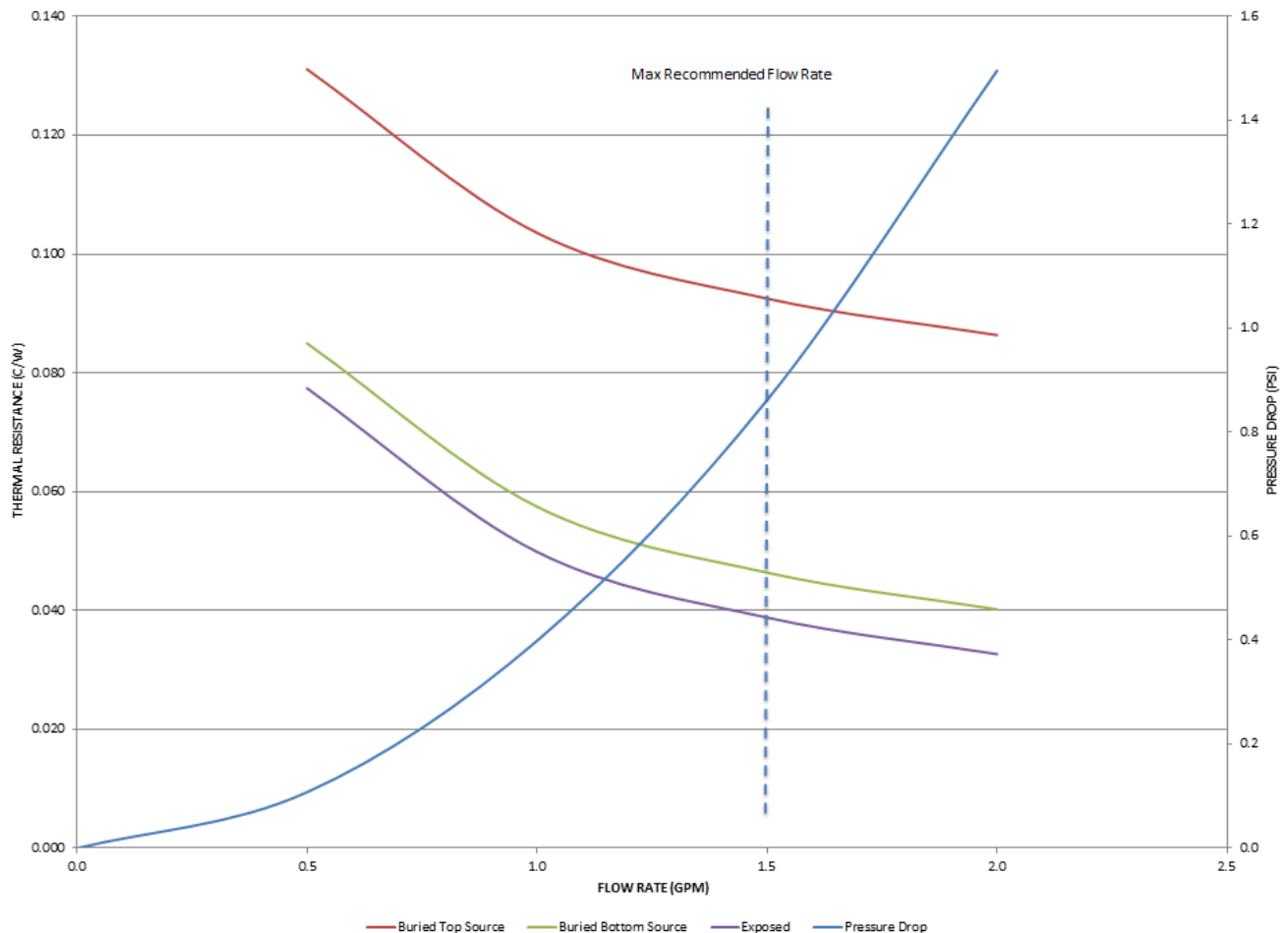
- Base Plate: Extruded Aluminum
- Copper Tube Material: .375" OD x .049" wall
- Thermal Epoxy fill with high thermal conductivity



| Part Number | Description                    | "X" Dimension Inches | Passes | Figure |
|-------------|--------------------------------|----------------------|--------|--------|
| 120455      | Exposed Tube 2- Pass Coldplate | N/A                  | 2      | 1      |
| 120456      | Exposed Tube 4- Pass Coldplate | 6.00                 | 4      | 2      |
| 120457      | Exposed Tube 4- Pass Coldplate | 12.00                | 4      | 2      |
| 120458      | Exposed Tube 6- Pass Coldplate | 6.00                 | 6      | 3      |
| 120459      | Exposed Tube 6- Pass Coldplate | 12.00                | 6      | 3      |
| 120460      | Exposed Tube 6- Pass Coldplate | 24.00                | 6      | 3      |

## 2 Pass

### Thermal Performance:



## 4 Pass

Thermal Performance:



## 6 Pass

Thermal Performance:

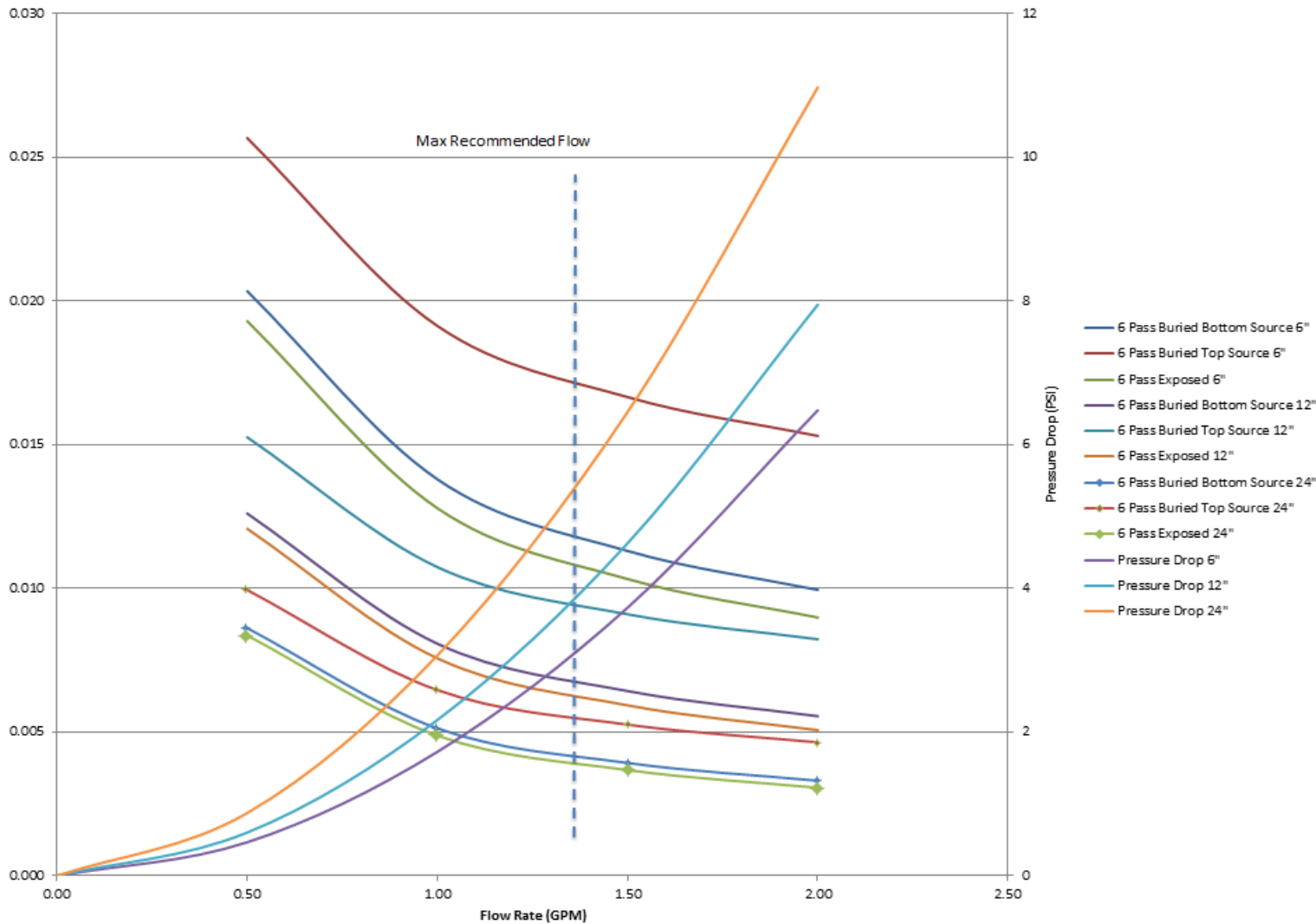


Figure #1

- #120455

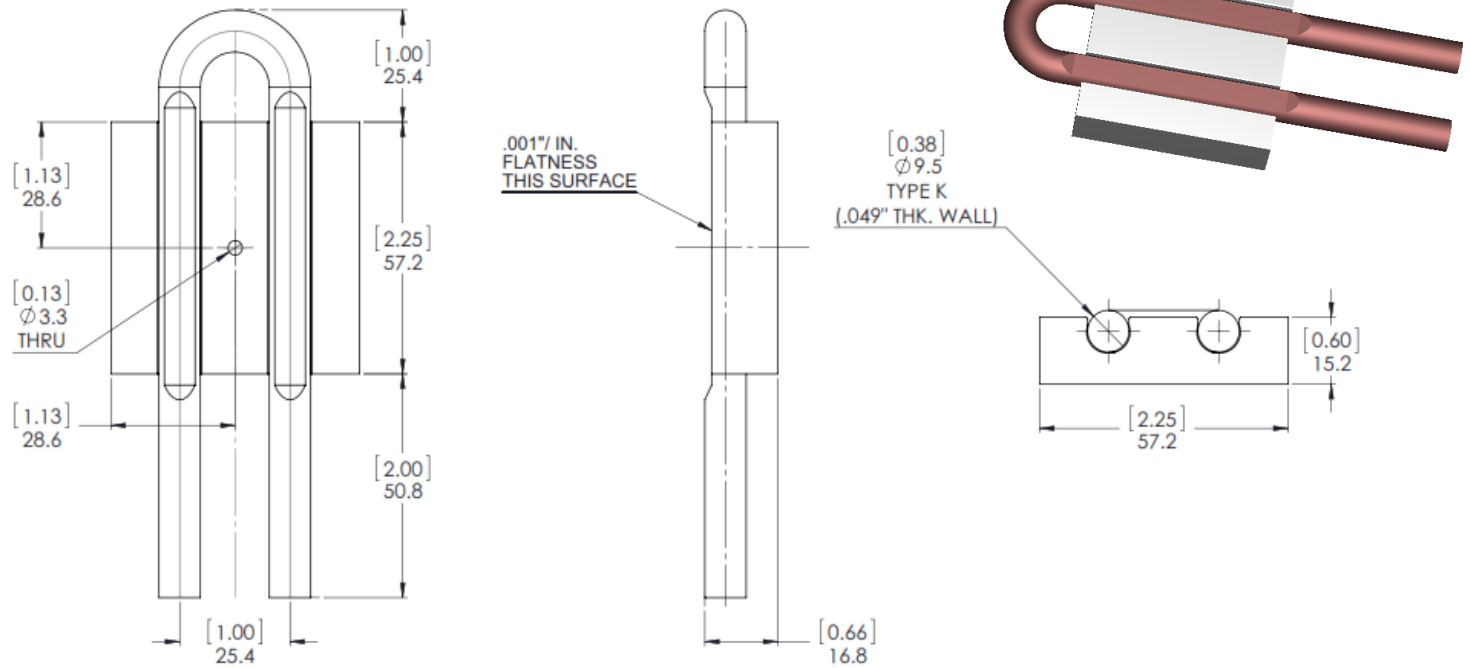


Figure #2

- #120456 & #120457

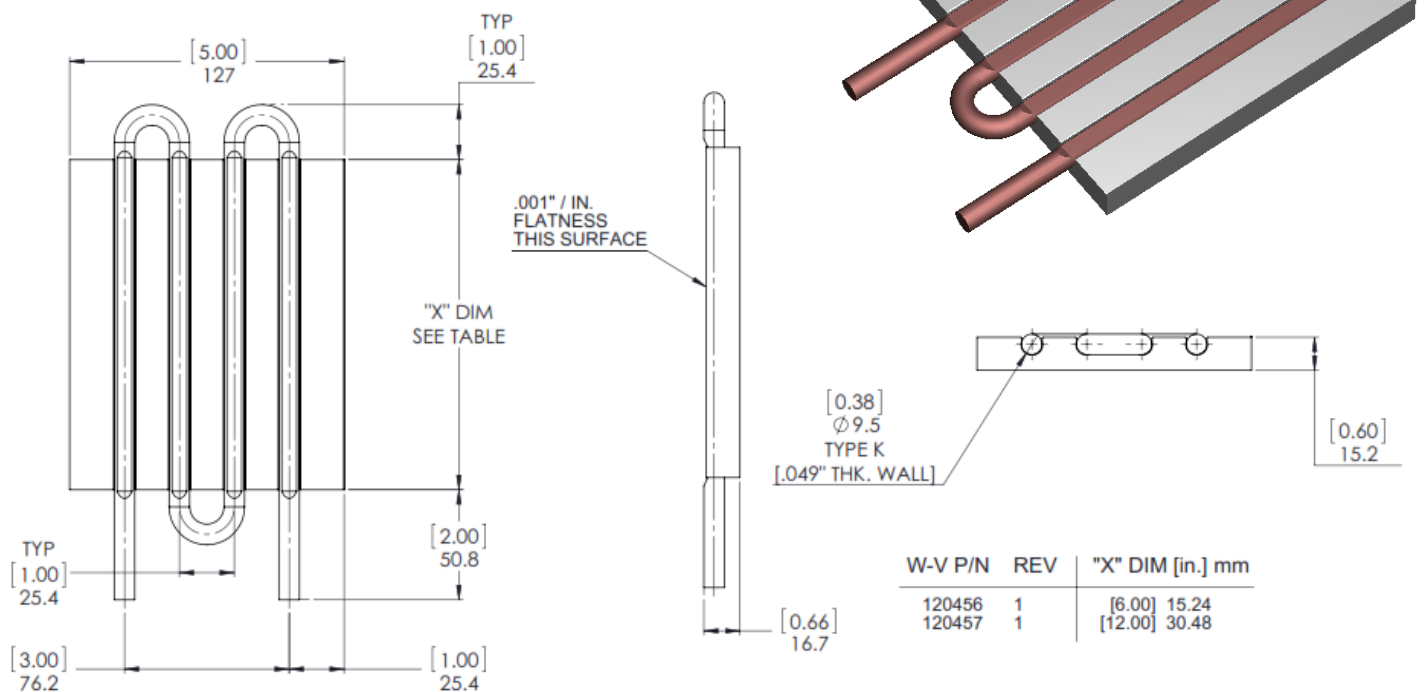
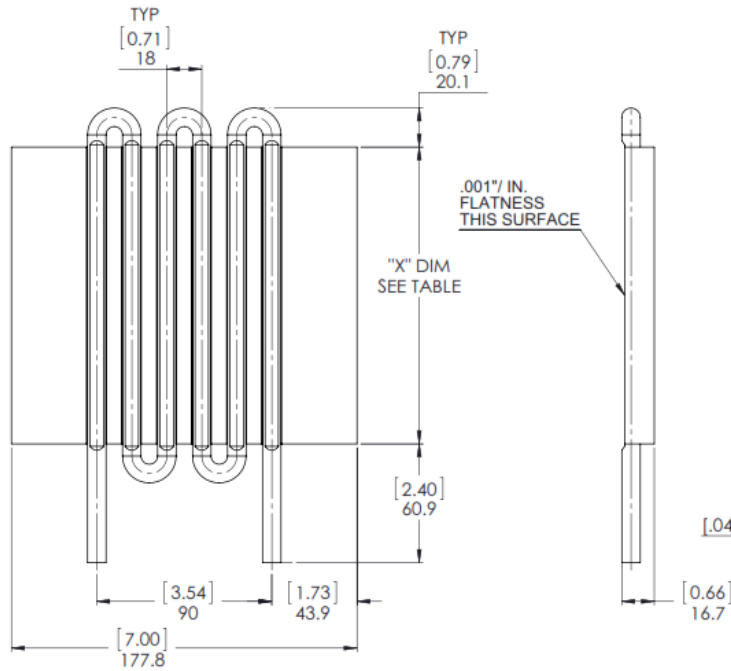
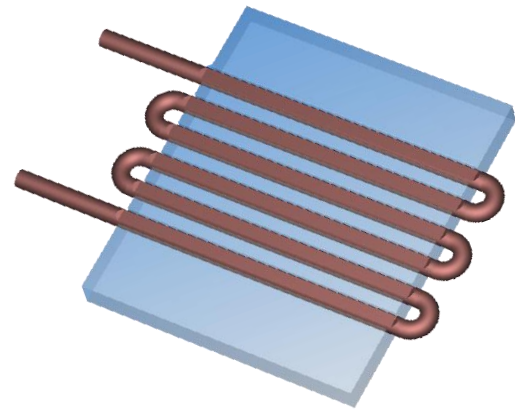
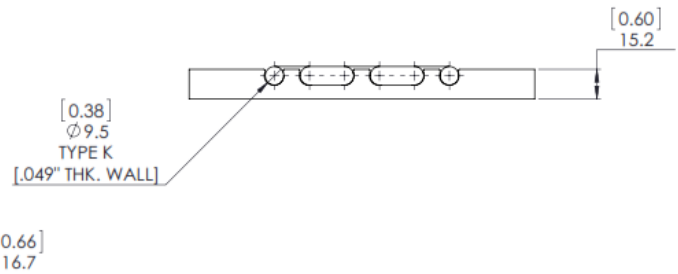


Figure #3

- #120458, #120459, #120460



| W-V P/N | REV | "X" DIM [in.] mm |
|---------|-----|------------------|
| 120458  | 1   | [6.00] 152.4     |
| 120459  | 1   | [12.00] 304.8    |
| 120460  | 1   | [24.00] 609.6    |



## Custom Exposed Tube Liquid Cold Plates Available

Contact our Engineers:

Wakefield-Vette

603-635-2800

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www.wakefield-vette.com