Technical Datasheet

HI-CONTACT™ 6-PASS COLD PLATE

HI-CONTACT™ LIQUID COLD PLATE

Boyd Hi-Contact™ tube liquid cold plates feature a high performance assembly utilizing a continuous tube press fit into an extruded aluminum plate. The patented geometry used in the Boyd Hi-Contact™ process moves the fluid closer to the device generating heat, achieving the best thermal performance from a tube cold plate.

To further increase the performance of Boyd's Hi-Contact™ liquid cold plates, a thermal epoxy is applied to the joint to provide a gap free thermal interface between the tube and the plate.

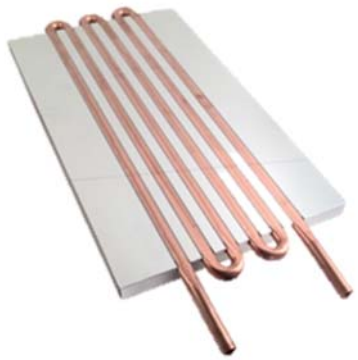
AVAILABLE OPTIONS

- *Custom Sizes Available – See Boyd Custom Hi-Contact Cold Plates for Design Guidelines*
- *Tube Material: Stainless Steel, Cupronickel*
- *Finishes: AavSHIELD, AavSHIELD³*

PART NUMBERS

416101U00000G – Unfinished, Standard 152mm Plate Length
416201U00000G– Unfinished, Standard 305mm Plate Length
416301U00000G– Unfinished, Standard 610mm Plate Length

RoHS Compliant



FEATURES & BENEFITS:

- Cost Effective
- High Performance Leak Free Joints
- Hi-Contact™ for Better Heat Transfer
- Easy to Customize

HI-CONTACT™ PRODUCT SPECIFICATIONS

Property	Details
Plate Details	Extruded Aluminum
Tube Material	Copper 9.5mm O.D. x 1.24mm wall
Standard Finish	Unfinished
Epoxy	Aluminum Filled - High Thermal Conductivity

Measurement	mm	in
Width	177.8	7
Thickness	15.24	0.55

NOTICE: The information included in this data sheet is believed to be accurate and reliable. BOYD assumes no responsibility for end use applications and no performance warranty is expressed or implied.

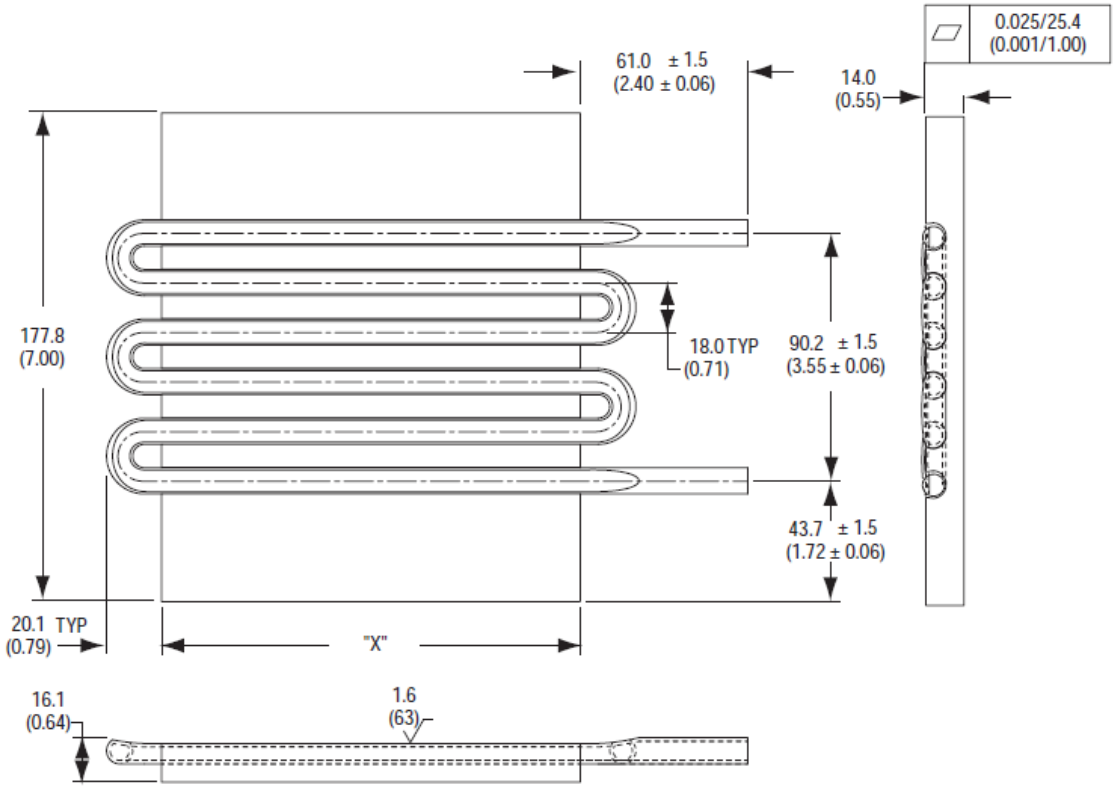
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HI-CONTACT™ 6-PASS COLD PLATE

MECHANICAL

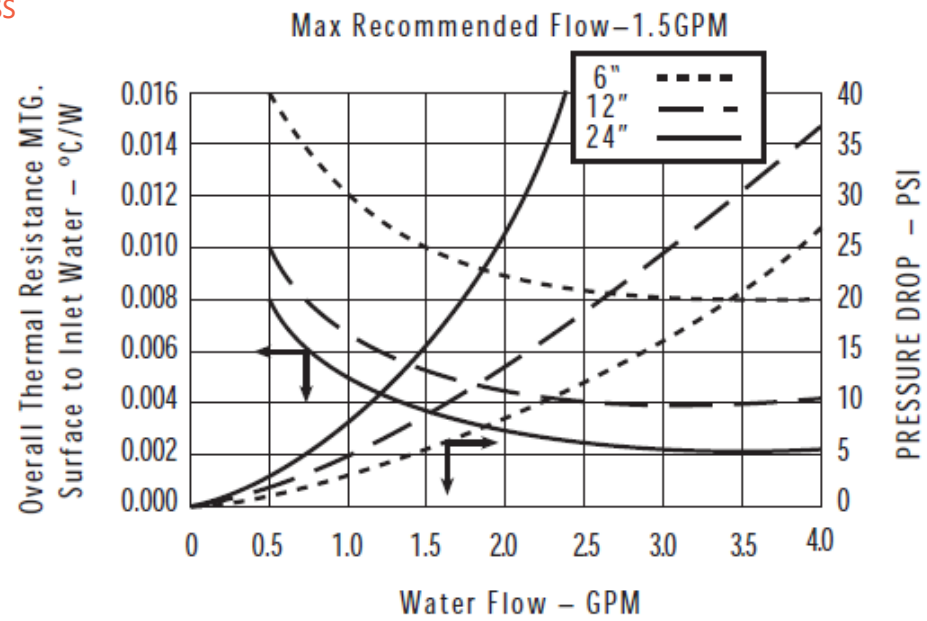
Dimensions are shown in mm

Figure 1



PERFORMANCE – 6 PASS

Figure 2



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