



**FRORE**  
SYSTEMS

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## **LiquidJet™** Coldplate

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A coldplate that evolves as fast as the chips it cools.

# LiquidJet™ Coldplate

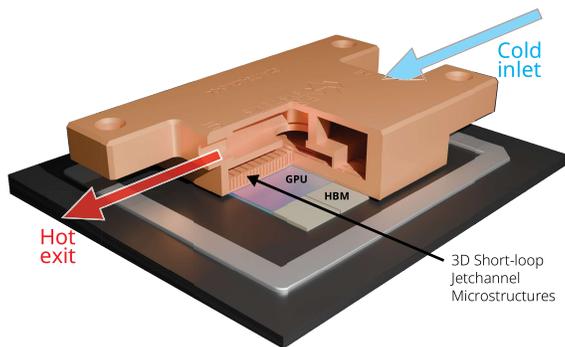
A coldplate that evolves as fast as the chips it cools.

## DESCRIPTION:

**LiquidJet coldplate** features unique multistage cooling architecture, 3D hybrid cells, and innovative 3D short-loop jetchannel microstructures, customizable to any GPU power map. LiquidJet's innovative multistage architecture delivers 75% higher heat transfer efficiency. It enables the entire flow to be concentrated to first cool the hotspots, before cooling the other areas of the GPU die, HBMs and other chiplets in the SoC. LiquidJet supports hotspot cooling up to 600 W/cm<sup>2</sup> @ 40°C inlet temperature, exceeding the requirements of future GPUs: Rubin Ultra, Feynman, MI455, MI500, and custom hyperscaler ASICs.

## 3D MICROSTRUCTURE CORE:

Fore Systems takes a unique approach to LiquidJet coldplate manufacturing, adapting semiconductor processes to metal wafers, fabricating multistage cooling architecture, innovative 3D hybrid cell structures with short-loop jetchannels, that are designed precisely to the power maps of data center GPUs.



## KEY PRODUCT FEATURES:

- 8°C Cooler GPUs
- 50% Less Weight
- 4% More AI Tokens/sec
- 10% PUE Reduction
- Reduced Data Center TOC
- Seamless Drop-in Upgrade

## SPECIFICATIONS:

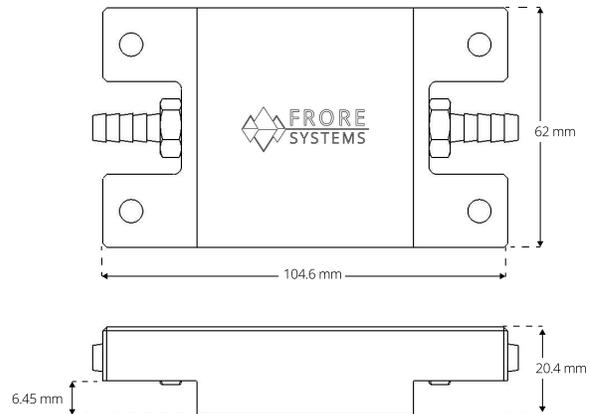
LiquidJet dimensions are customized to the target GPU.

Measurements for NVIDIA B300

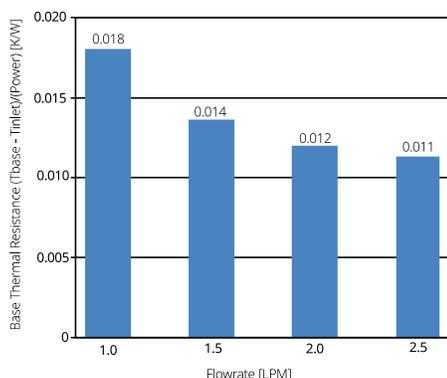
Length: 104.6 mm Width: 62 mm

Height: 20.4 mm Weight: 260 g

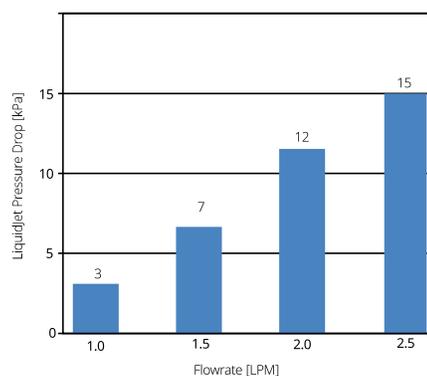
Material: Copper, copper composite



## LIQUIDJET THERMAL RESISTANCE:



## LIQUIDJET PRESSURE DROP



SCAN FOR MORE INFORMATION