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Specifications Sheet

Generated: 2026-11-06

P/N: GPU-220

GPU-220 Cold Plate, 45mm x 45mm, Rev.2 (1.8in x 1.8in)

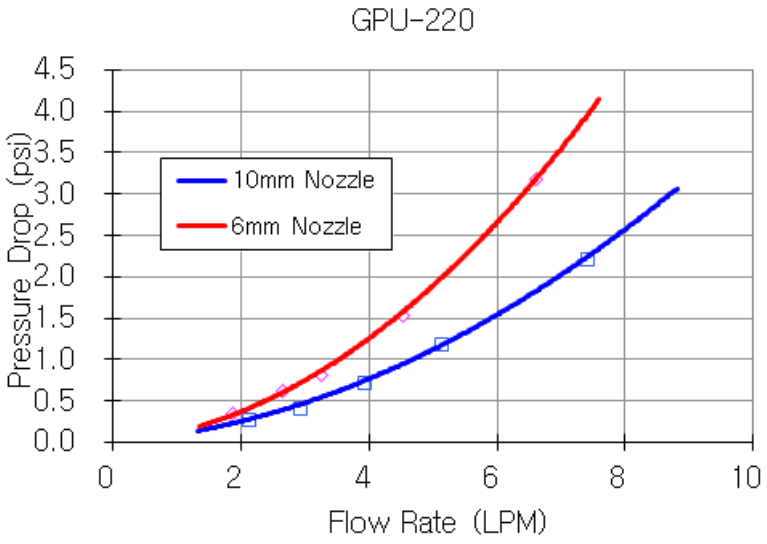


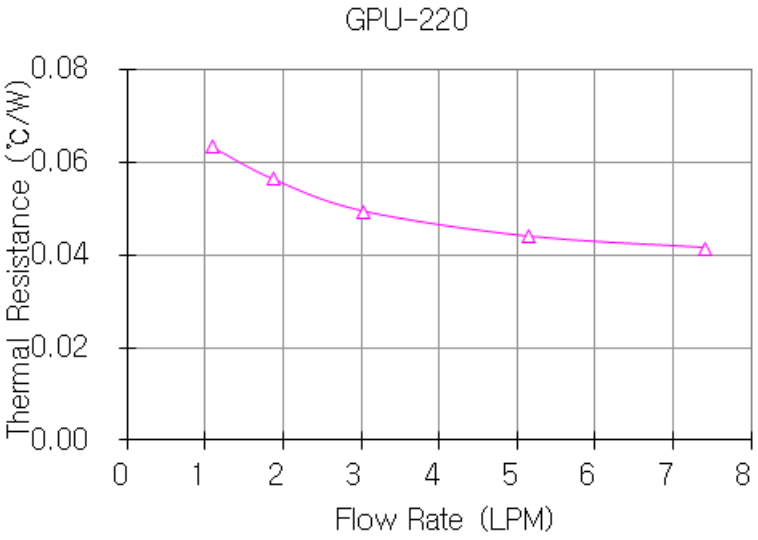
The GPU-220 is a general-purpose block with a 0.5mm microfin internal structure. The cooling area footprint is 45mm x 45mm (1.8in x 1.8in). Revision 2 includes a new acetal bracket and mounting hardware for higher contact pressure and performance (in addition to the original mounting hardware).

Materials include a copper cold plate, brass top, anti-corrosive nickel plating, and EPDM o-ring. Works with G 1/4 BSPP (parallel) thread fittings. Redundant side and top inlet/outlet fitting sockets allow for more flexibility during installation. Two fitting socket plugs are included.

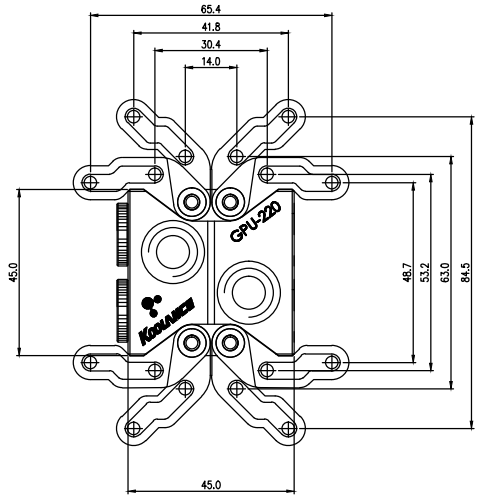
The new acetal bracket mounts diagonal hole distances from approximately 69-87mm. The alternative swinging metal bracket arms accommodate diagonal hole distances of about 50mm to 82mm.

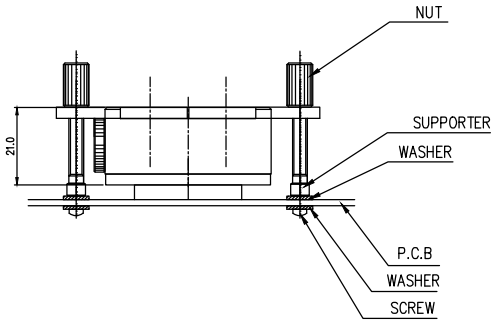
Cold Plates	
Flow Resistance @ 5LPM (10-13mm ID)	0.084kgf/cm2 (1.2psi)
Thermal Resistance @ 5LPM (Approx.)	0.043°C/W
General	
Weight	0.63 lb (0.29 kg)
Fitting Thread	G 1/4 BSPP
Max Pressure Tolerance @ 25°C	10kgf/cm2 (142.2psi)
Max Temperature Tolerance	100°C (212°F)
Wetted Materials	Nickel-Plated Copper, Nickel-Plated Brass, EPDM




GPU-220
Thermal Resistance (℃/W)
0.08
0.06
0.04
0.02
0.00
0
1
2
3
4
5
6
7
8
Flow Rate (LPM)

File





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REVISION

NO.	DESCRIPTION	MATER'L	QUANTITY	REMARKS
KOOLANCE INC.		UNIT MM	ITEM GPU-220	
		SCALE N/S	TITLE ASSY	
	BY BY BY APPRD BY	DECIMAL PLACES 0 : ±0.3 0.X : ±0.1 0.XX : ±0.05		
DATE			DWG. NO.	PAGE
	A.K.Song	CODE NO.		