

**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).

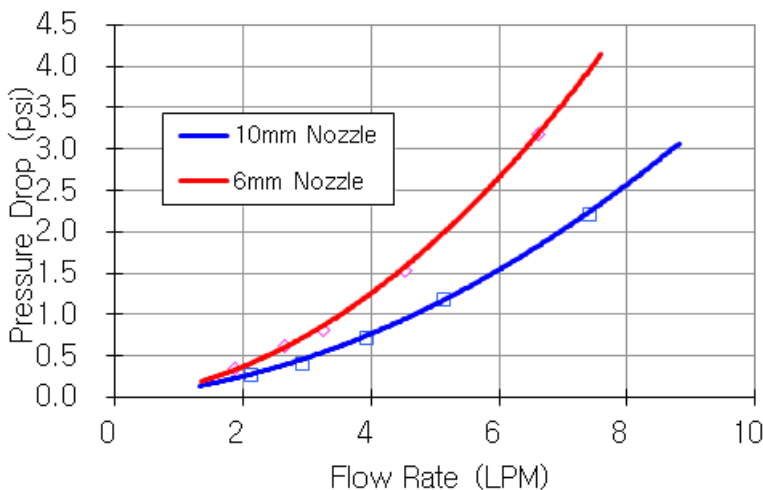
Materials include a copper cold plate, brass top, anti-corrosive nickel plating, and EPDM o-ring. Works with G 1/4 BSPP (parallel) thread fittings. Redundant side and top inlet/outlet fitting sockets allow for more flexibility during installation. Two fitting socket plugs are included.

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

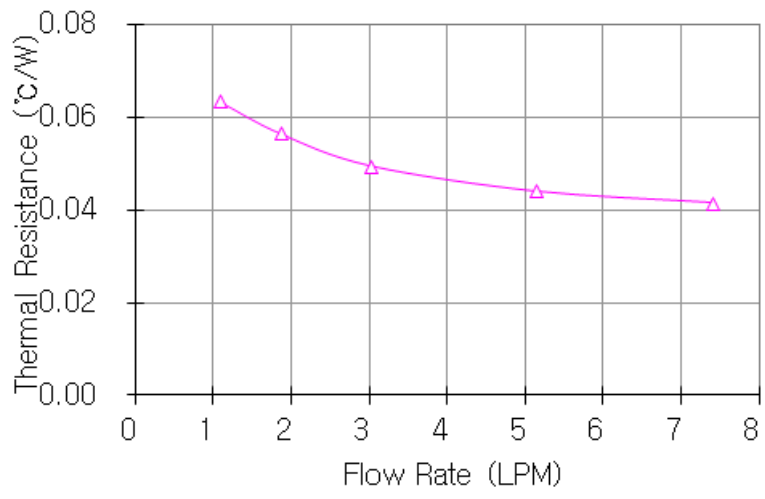
50mm to 82mm.

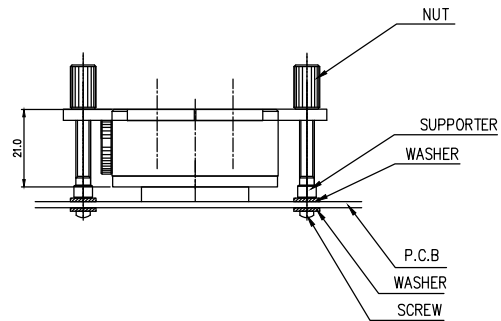
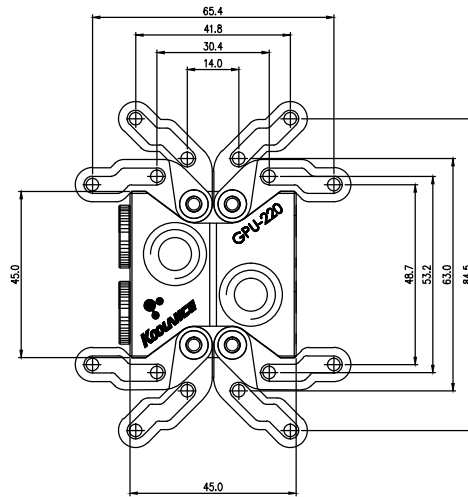
| Cold Plates                         |   |
|-------------------------------------|---|
| Flow Resistance @ 5LPM (10-13mm ID) | 0.084kgf/cm2 (1.2psi)                           |
| Thermal Resistance @ 5LPM (Approx.) | 0.043° C/W                                      |
| General                       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

GPU-220



GPU-220





| REV      | DATE | CONTENTS | REVD BY | CHKD BY | APPD BY |
|----------|------|----------|---------|---------|---------|
|          |      |          |         |         |         |
|          |      |          |         |         |         |
|          |      |          |         |         |         |
| REVISION |      |          |         |         |         |

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