Mersen introduces a new range of vacuum-brazed cold plates to bring effective and reliable cooling solutions to its customers. These brand-new cold plates are specially dedicated to the needs of industrial drives designers.

Thermal data at 10l/mn, water inlet 40°C, 0.5 kW loss per component
- Maximal cold plate surface temperature (hottest point): 49.4°C
- Maximum thermal resistance of the cold plate / component: 18.8°C/kW
- Pressure drop: 338 mbar

Features & Benefits
- Cost/performance value: vacuum-brazing technology for the cost of a downgraded one (deep drilling, FSW...)
- Perfect water-tightness guarantee
- Long lifetime >20 years guaranteed
- Cooling performances
- Homogeneous temperature distribution below the component: spiral counter flow
- Very high pressure withstanding
- No risk of leak (all cold plates are systematically pressure tested)
- Vacuum-brazing technology means no corrosion

Standards
- Vacuum-brazing technology
- RoHS compliant

Cooling performance @ 10l/mn, water inlet 40°C, 0.5 kW loss per component
Vacuum-Brazed Cold Plates
3 IGBT (106.4x62.4mm)

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
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</table>
DIMENSIONS

N1022316A Cold plate dimensions

Dimensions in mm

Note: Aspect
No milling cutter print on this area.
The cold plate surface and face side will be protected against damages during transportation, with foam carton.
(Each plate, standard for Mersen France.)