

Products



Diacell® CryoDAC-Mega

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## Diacell® CryoDAC-Mega

Diamond anvil cell for low temperature applications.  
Part of the Diacell® CryoDAC Series.

- ▶ The Diacell® CryoDAC-Mega is a particularly versatile diamond anvil cell with a high numerical aperture of 0.42.
- ▶ The cell is specially suited for optical work at cryogenic temperatures, but can also accommodate scattering work.
- ▶ The Diacell® CryoDAC-Mega is held within two BeCu blocks. One of these is fixed to the cryostat and also accepts the cylindrical DAC. The second block fits over the cell and applies load to it via four bolts.
- ▶ The anvils are mounted mechanically by force fitting into rings, which are then screwed down to the BeCu seats. This is a considerable advantage over fixing the anvils with epoxy resins.
- ▶ Maximum pressures of up to above 100 GPa may be obtained with the Diacell® CryoDAC-Mega.

Technical Specifications:

Cell Material	Beryllium Copper Alloy
Anvil Seat (support plate)	Beryllium Copper Alloy
Pressure Mechanism	Screw Drive
Top Angle	50° Conical
Bottom Angle	50° Conical
DAC Diameter	38 mm
DAC Height	53 mm
Working Distance to Sample	12 mm

Specifications subject to change without prior notice.  
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