

Products



Diacell® LeverDAC-Maxi

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- Diacell® LeverDAC-Mega
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- Optiprex PLS
- Diamond Anvils

RELATED ACCESSORIES:

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- Gasket Blanks
- Ruby Powder and Spheres
- Support Plates

Diacell® LeverDAC-Maxi

Lever arm driven diamond anvil cell for optical work.
Part of the Diacell® LeverDAC Series.

- ▶ The Diacell® LeverDAC-Maxi is based on a leverage mechanism designed to bring the diamond anvils together. This is the original design of diamond anvil cells.
- ▶ The cell is specially suited for any high-pressure optical studies and it has a numerical aperture of 0.44.
- ▶ The anvils are mounted mechanically by force fitting them into rings, which then are screwed to their seats. This is a unique feature of Diacell® diamond anvil cells.
- ▶ The lever arm drive unit can be disconnected from the cell to facilitate interfacing to spectrometers.
- ▶ An internal resistive heater and thermocouple are optional. These enable the operation of the LeverDAC-Maxi to temperatures of the order of 500°C.
- ▶ Maximum pressures of up to above 50 GPa may be obtained with the Diacell® LeverDAC-Maxi.

Technical Specifications:

| | |
|----------------------------|---------------------------|
| Cell Material | Stainless Steel AISI 440C |
| Anvil Seat (support plate) | Tungsten Carbide |
| Pressure Mechanism | Lever Drive |
| Top Angle | 52° Conical |
| Bottom Angle | 52° Conical |
| DAC Length / Width | 148 mm / 81 mm |
| DAC Height | 45 mm (at cell) |
| Working Distance to Sample | 9 mm |

Specifications subject to change without prior notice.
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