

Products



Diacell® LeverDAC-Maxi

RELATED PRODUCTS:

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- Diacell® LeverDAC-Mini
- Optiprex Ruby Line
- Bohler μ Driller

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvils
- Stainless Steel 5 mm Gasket Blanks
- Ruby Powder
- Support Plates
- Gasket Indenter
- Diacell® Anvil Jigs
- Diacell® Ring Heater

Diacell® LeverDAC-Maxi

Lever arm drive 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. 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;
- ◆ Optional internal resistive heater enables the operation of the LeverDAC-Maxi to temperatures of order of 500° C ;
- ◆ The lever arm drive unit (length/width: 141 mm/76 mm) can be disconnected from the cell to facilitate interfacing to spectrometers;
- ◆ 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 Support Plate	Tungsten Carbide
Pressure Mechanism	Lever Arm Drive
Maximum Pressure	50 GPa
Top/Bottom Angles	52° Conical
DAC Diameter / Height	33 mm / 45 mm
Working Distance to Sample	10 mm
Numerical Aperture	0.44

Specifications subject to change without prior notice.
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