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Science Under Pressure

products



RELATED ACCESSORIES:

- Anvil Jigs
- Diamond Anvils
- Gas Membranes
- Gasket Blanks
- Heaters
- Ruby Powder
- Support Plates

Diacell HeliosDAC*

Gas Membrane-Driven High-Temperature Cell for
Optical & X-Ray Studies

*Formerly M7G

- ▶ The ideal Diamond Anvil Cell for high-pressure experiments at high temperatures.
- ▶ The HeliosDAC is specifically engineered for high-temperature applications up to above 900° C.
- ▶ The cell is suitable for both X-ray diffraction (2θ up to 25°) and optical work.
- ▶ The cell is fitted with natural diamond anvils, gas membrane and internal compact resistive heater.
- ▶ High-pressure is applied via the gas membrane drive mechanism - requires GM Controller
- ▶ The Diacell HeliosDAC is delivered fully aligned and ready for use.

Technical Specifications:

| | |
|-------------------------|-------------------------------|
| Cell Material | Stainless Steel AISI 440C |
| Anvil Support Plate | Tungsten Carbide |
| Pressure Mechanism | Gas membrane |
| Top Angle | X-Ray, Conical 50° |
| Bottom Angle | X-Ray, Conical 50° |
| Heating | Single Internal Gasket Heater |
| DAC Diameter | 56 mm |
| DAC Height | 47 mm |
| Working Dist. to Sample | 16 mm |

Specifications subject to change without prior notice.

