

## Products



Diacell® OmniDAC

### RELATED PRODUCTS:

- Diacell® OmniDAC-LT
- Bohler microDriller
- Diacell® GM Controller
- Diacell® iGM Controller
- Optiprex PLS
- Diamond Anvils

### RELATED ACCESSORIES:

- Gas Membranes
- Gasket Blanks
- Heaters
- Ruby Powder and Spheres
- Support Plates

## Diacell® OmniDAC

Gas membrane diamond anvil cell for optical and x-ray measurements.

Part of the Diacell® OmniDAC Series.

- ▶ The Diacell® OmniDAC is particularly useful for x-rays and optical experiments.
- ▶ An optional heater is available, enabling high pressure research up to above 600°C.
- ▶ The Diacell® OmniDAC has a numerical aperture of 0.42.
- ▶ Extended lateral sight holes allow the observation of scatter at directions normal to the cell axis as well.
- ▶ Being gas membrane driven means that pressure within the OmniDAC can be changed whilst the sample is mounted in the spectrometer or x-ray stage, saving considerable time.
- ▶ Maximum pressures of up to above 100 GPa may be obtained with the Diacell® OmniDAC.

### Technical Specifications:

Cell Material	Stainless Steel AISI 440C
Anvil Seat (support plate)	Tungsten Carbide
Pressure Mechanism	Gas membrane
Top Angle	X-ray 50° Conical
Bottom Angle	X-ray 50° Conical
DAC Diameter	51 mm
DAC Height	35 mm
Working Distance to Sample	12 mm

Specifications subject to change without prior notice.  
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