



Products



Diacell® OmniDAC

RELATED PRODUCTS:

- Diacell® OmniDAC - LT
- Diacell® Cryoloader
- Diacell® iGM Controller
- Optiprex Ruby Line
- Böhler µDriller

RELATED ACCESSORIES:

- Diacell® Design 3.1 mm Anvils
- Stainless Steel 3.1 mm Anvils Rings
- Stainless Steel 5 mm Gasket Blanks
- Gearbox
- Ring heater
- Gasket Indenter
- Gas Membrane

Diacell® OmniDAC

Gas membrane diamond anvil cell for optical measurements.

Part of Diacell® OmniDAC Series.

- ◆ Fitted with type IIa ultra low fluorescence anvils the Diacell® OmniDAC is suitable for Raman spectroscopy;
- ◆ The Diacell® OmniDAC has a numerical aperture of 0.42;
- ◆ An optional heater is available, enabling high pressure research up to above 600° C;
- ◆ The Diacell® OmniDAC is also recommended for X-ray experiments;
- ◆ Extended lateral sight holes allow the observation of scatter at directions normal to the cell axis as well (16° of 2θ is accessible);
- ◆ Being gas membrane driven means that the pressures within the OmniDAC can be changed whilst the sample is mounted in the spectrometer or X-ray stage;
- ◆ Maximum pressures of up to above 100 GPa may be obtained with the Diacell® OmniDAC .

Technical Specifications:

Cell Material	Stainless Steel AISI 440C
Anvil Support Plate	Tungsten Carbide
Pressure Mechanism	Gas Membrane
Maximum Pressure	100 GPa
Top/Bottom Angles	X - ray 50 ° Conical
DAC Diameter / Height	51 mm / 35 mm
Working Distance to Sample	12 mm
Numerical Aperture	0.42

Specifications subject to change without prior notice.
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