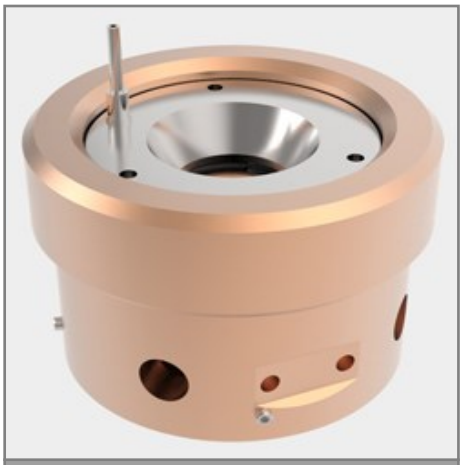


Almax·easyLab
science under pressure

Products



Diacell® OmniDAC-LT

Diacell® OmniDAC-LT

Gas membrane diamond anvil cell for low temperature optical measurements.

Part of Diacell® OmniDAC Series.

- The Diacell® OmniDAC-LT is made of high - strength beryllium copper alloy and is the cryogenic version of the OmniDAC;
- Having a numerical aperture of 0.42 the cell is useful for X-ray and optical measurements at low temperatures;
- Being gas membrane driven means that the pressures within the OmniDAC-LT 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-LT;
- The diamond anvil cell can be integrated in a variety of cryostats and may be supplied as a turn-key high pressure and low temperature system (Diacell® CCS-DAC System or Diacell® PT-DAC System).

RELATED PRODUCTS:

- Diacell® CCS-DAC System
- Diacell® PT-DAC System
- Diacell® Cryoloader
- Diacell® iGM Controller
- Optiprexx Ruby Line
- Boehler µDriller
- uDrill Pro

RELATED ACCESSORIES:

- Diacell® Design 3.1 mm Anvils
- BeCu 3.1 mm Anvils Rings
- BeCu 10 mm Gasket Blanks
- Gasket Indenter
- Gas Membrane
- Gearbox

Technical Specifications:

Cell Material	Beryllium Copper Alloy
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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