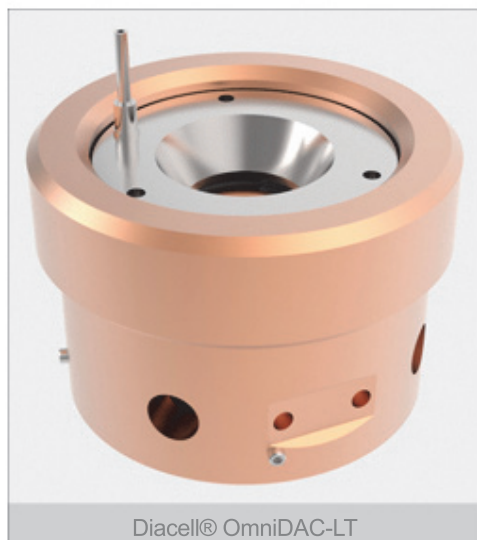


## Products



Diacell® OmniDAC-LT

### RELATED PRODUCTS:

- Diacell® CCS-DAC System
- Diacell® PT-DAC System
- Böhler microDriller
- Diacell® GM Controller
- Diacell® iGM Controller
- Optiprex PLS
- Diamond Anvils

### RELATED ACCESSORIES:

- Gas membranes
- Gasket Blanks
- Ruby Powder and Spheres
- Support Plates

## Diacell® OmniDAC-LT

Gas membrane diamond anvil cell for low temperature applications.

Part of the Diacell® OmniDAC Series.

- ▶ The Diacell® OmniDAC-LT is the cryogenic version of the OmniDAC and differs from it by being made of high-strength beryllium copper alloy.
- ▶ The Diacell® OmniDAC is particularly useful for x-rays and optical experiments (NA of 0.42) at low temperatures.
- ▶ The cell can be fit in a variety of cryostats and may be supplied already integrated as part of the turn-key high pressure and low temperature systems Diacell® CCS-DAC or Diacell® PT-DAC.
- ▶ Being gas membrane driven means that pressure within the OmniDAC-LT can be changed whilst the sample is at low temperatures, saving considerable time.
- ▶ Maximum pressures of up to above 100 GPa may be obtained with the Diacell® OmniDAC-LT.

### Technical Specifications:

Cell Material	Beryllium Copper Alloy
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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