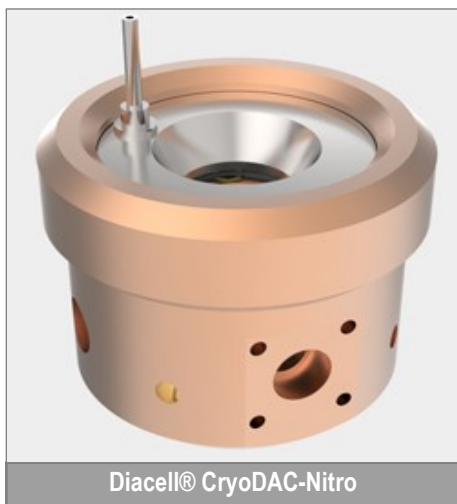


Products



Diacell® CryoDAC-Nitro

RELATED PRODUCTS:

- Diacell® OmniDAC-LT
- Diacell® CCS-DAC System
- Diacell® iGM / GM Controllers
- Optiprex Ruby Line
- Böhler µDriller

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvils
- BeCu Anvils Rings
- BeCu 10 mm Gasket Blanks
- Cryostat Interfacing Holder
- Ruby Powder
- Gas Membrane
- Gasket Indenter

Diacell® CryoDAC-Nitro

Gas membrane diamond anvil cell for low temperature applications.

Part of the Diacell® CryoDAC Series.

- ◆ The Diacell® CryoDAC-Nitro particularly suited for mounting in a cryostat where the radial space is reduced and yet it still offers the advantage of the gas membrane to enable the change of pressure at low temperatures;
- ◆ The cell can also fit many other cryostats of bath, top-loading or close-cycle types;
- ◆ The Diacell® CryoDAC-Nitro can be supplied with a custom made interface block to suit the cryostat;
- ◆ Being gas membrane driven means that pressure within the CryoDAC-Nitro can be changed whilst the sample is at low temperatures, saving considerable time;
- ◆ Maximum pressures of up to above 50 GPa may be obtained with the Diacell® CryoDAC-Nitro.

Technical Specifications:

Cell Material	Beryllium Copper Alloy
Anvil Support Plate	Beryllium Copper Alloy
Pressure Mechanism	Gas Membrane
Maximum Pressure	50 GPa
Top/Bottom Angles	52° Conical
DAC Diameter / Height	38 mm / 29 mm
Working Distance to Sample	11 mm
Numerical Aperture	0.44

Specifications subject to change without prior notice.
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