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Science Under Pressure

products



RELATED PRODUCTS:

- Diacell® CryoDAC-LT
- Diacell® CryoDAC-Mega
- Diacell® CryoDAC-PPMS
- Diacell® CryoDAC-ST
- Diacell® CryoDAC-Tesla
- Optiprex PLS

RELATED ACCESSORIES:

- Anvil Jigs
- Diamond Anvils
- Gasket Blanks
- Ruby powder
- Support Plates



Diacell® CryoDAC-Nitro

Gas Membrane Cell for Low Temperature Applications
Part of the Diacell® CryoDAC Series

[Formerly Cryocell]

- ▶ The Diacell® CryoDAC-Nitro is particularly suitable for optical measurements within liquid nitrogen cryostats.
- ▶ The Diacell® CryoDAC-Nitro can also fit into many other cryostats of bath, top-loading, and closed-cycle types.
- ▶ The cell is supplied complete with a customised chrome-plated copper mounting block.
- ▶ The gas membrane mechanism drives the cell and may be pressurised by any permanent gas. The membrane is actually driven by the GM Controller, which contains also a silicon-based pressure sensor and a digital pressure display.
- ▶ Maximum pressures of up to above 50 GPa are obtained.

Technical Specifications:

Cell Material	AISI 440C
Anvil Support Plate	Beryllium Copper Alloy
Pressure Mechanism	Gas Membrane
Top Angle	Optical: 52° Conical
Bottom Angle	Optical: 52° Conical
Lateral Access	12° of 2θ is accessible
DAC Diameter	57 mm
DAC Height	29 mm
Working Dist. to Sample	10 mm

Maximum pressure is dependent upon the culet size of the anvils.

easyLab is committed to its policy of continuous improvement.

Specifications may change without notice.

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