

Products



Diacell® CF-DAC System

RELATED PRODUCTS:

- Diacell® CCS-DAC System
- Diacell® PT-DAC System
- Diacell® ST-DAC System
- Diacell® CryoDAC-LT
- Optiprex Ruby Lux
- Optiprex PLS
- Diamond Anvils

RELATED ACCESSORIES:

- Gasket Blanks
- Ruby Powder and spheres
- Support Plates

Diacell® CF-DAC System

Continuous flow cryostat with integrated Diacell® CryoDAC-LT diamond anvil cell.

- ▶ The Diacell® CF-DAC enables experiments up to 20-30 GPa and down to temperatures of the order of 2.5K.
- ▶ The system combines and fully integrates the Diacell® CryoDAC-LT to the easyLab® CF cryostat.
- ▶ The continuous flow cryostat can be used with either liquid helium or liquid nitrogen and the sample can be changed with the cryostat cold.
- ▶ Five sets of windows (four radial and one axial at the bottom) are supplied as standard. All windows are demountable and may be exchanged at any time.
- ▶ Cooldown time is of the order of 40 mins with liquid helium consumption of ~1.5 l.
- ▶ Options: an integrated Optiprex system for ruby fluorescence and a temperature controller.

Technical Specifications:

Cryostat	Continuous Flow
Temperature Range w/LHe	2.5-300 K with rotary pump
Diamond Anvil Cell	Diacell® CryoDAC-LT
Pressure Mechanism	Room temperature hydraulics
DAC Top Angle	16° along vertical axis
DAC Bottom Angle	44° along vertical axis
DAC Diameter	19 mm
DAC Height	27 mm

Specifications subject to change without prior notice.
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