

Products



Diacell® CCS-DAC System

RELATED PRODUCTS:

- Diacell® CF-DAC System
- Diacell® PT-DAC System
- Diacell® ST-DAC System
- Diacell® Bragg-LT(G) & Bragg-LT(G)Plus
- Diacell® OmniDAC-LT
- Optiprex Ruby Lux
- Optiprex PLS
- Diamond Anvils

RELATED ACCESSORIES:

- Gas Membranes
- Gasket Blanks
- Ruby Powder and spheres
- Support Plates

Diacell® CCS-DAC System

Cryocooler cryostat with integrated diamond anvil cell.

- ▶ The Diacell® CCS-DAC enables experiments up to above 100 GPa and down to temperatures of about 10 K.
- ▶ The system combines and fully integrates a Diacell® Bragg-LT(G) or OmniDAC-LT diamond anvil cell to the Janis CCS-100/204 benchtop optical cryostat.
- ▶ The closed-cycle cryostat is based on a SHI coldhead and features electrical feedthrough, optical vacuum shroud and radiation shield (f 1.0 optics), integrated gas membrane line and specific DAC holder.
- ▶ Various window materials are possible, such as mylar, quartz and so on.
- ▶ Options: an integrated Optiprex system for ruby fluorescence and a temperature controller.

Technical Specifications:

Cryostat	Closed-cycle, Janis CCS-100/204
Temperature Range	10 - 325 K
Diamond Anvil Cell	Diacell® Bragg-LT(G) or any LT DAC
Pressure Mechanism	Gas Membrane
DAC Top Angle	X-ray: 90° Conical (DAC)
DAC Bottom Angle	X-ray: 90° Conical (DAC)
DAC Diameter	53 mm
DAC Height	32 mm

Specifications subject to change without prior notice.
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