



Products



Diacell® CryoDAC-PPMS XL

RELATED PRODUCTS:

- Diacell® CryoDAC-PPMS
- easyLab® easyCell 30
- easyLab® PCell 30
- Optiprex Ruby Line
- Böhler µDriller

RELATED ACCESSORIES:

- Diacell® CryoDAC-PPMS XL clamps
- Diacell® Design 3.1 mm Anvils
- Patterned / Intelligent Diamond Anvils
- BeCu Anvil ring 3.1 mm
- Gasket Blanks
- Ruby Powder
- Gasket Indenter

Diacell® CryoDAC-PPMS XL

Diamond anvil cell (DAC) for Quantum Design's PPMS®

- ◆ The Diacell® CryoDAC-PPMS XL is an extension of the standard Diacell® CryoDAC-PPMS, increasing the pressure range up to 40 GPa;
- ◆ The Diacell® CryoDAC-PPMS XL is fitted with special seats made of Pascalloy™ superalloy (NiCrAl), able to withstand greater load forces without being indented by the diamond anvil's table;
- ◆ This special version is also using larger diamond anvils, 3.1 mm Diacell design anvils, to sustain larger applied forces;
- ◆ Further enhancement of the performance of the cell can be achieved using the Diacell® CryoDAC-PPMS XL optional clamps designed to apply a load force up to 8000 N (instead of 6000 N without clamps).
- ◆ The functionality of the Diacell® CryoDAC-PPMS XL is similar to the standard Diacell® CryoDAC-PPMS (consult the Diacell® CryoDAC-PPMS product information for more details)

Technical Specifications:

| | |
|----------------------------|-------------------------------------|
| Cell Material | Beryllium Copper Alloy |
| Anvil Support Plate | Pascalloy™ (NiCrAl) |
| Pressure Mechanism | Screw-driven |
| Maximum Pressure | 33 GPa (XL)/ or 40 GPa (XL+ clamps) |
| Top/Bottom Angles | 40°/ 8° |
| DAC Diameter / Height | 24 mm / 48 mm (excl. puck) |
| Working Distance to Sample | 10 mm |
| Numerical Aperture | 0.34 |

Specifications subject to change without prior notice.
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