

Almax·easyLab
science under pressure

Products



Diacell® CryoDAC-PPMS XL

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)

RELATED PRODUCTS:

- Diacelll® CryoDAC-PPMS
- easyLab® easyCell 30
- easyLab® PCell 30
- Optiprexx Ruby Line
- Boehler µDriller
- uDrill Pro

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

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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www.almax-easyLab.com

Almax easyLab bv
Wagenmakerijstraat 5
8600 Diksmuide
Belgium
Ph: +32 51 55 56 37

Almax easyLab Inc
Harvard Square -1, Mifflin Place
Cambridge, MA 02138
United States of America
Ph: + 1 617 701 7245

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