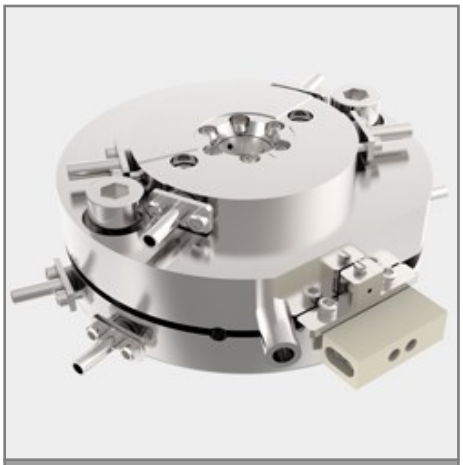


Almax·easyLab
science under pressure

Products



Diacell® µScopeDAC-HT(S)

Diacell® µScopeDAC-HT(S)

Screw driven diamond anvil cell for high-temperature high pressures micro-spectroscopy studies.

Part of the Diacell®µScopeDAC series.

- The Diacell®µScopeDAC-HT(S) meets the need for very high pressures, compatibility with commercially available spectroscopic microscopes and high-temperatures;
- Fitted with type IIas ultra-low fluorescence & ultra-low birefringence diamond anvils the cell is ideal for Infrared and Raman microscopic sample analysis;
- The Diacell®µScopeDAC-HT(S) is equipped with an internal compact gasket heater that enables research up to 600°C. Water cooling ports are also present;
- A combination of left - and right - handed screws makes sure that there in no net torque on the cell as pressure is applied;
- Maximum pressures of up to above 50 GPa are obtained with the Diacell® µScopeDAC-HT(S).

RELATED PRODUCTS:

- Diacell® µScopeDAC-HT(G)
- Diacell® µScopeDAC-RT(G)
- Optiprexx Ruby Line
- Boehler µDriller
- uDrill Pro

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvils
- Stainless Steel 2.5 mm Anvils Rings
- Inconel 10 mm Gasket Blanks
- Gasket Heater and Power Supply
- Ruby Powder
- Support Plates
- Gasket Indenter
- Diacell® Anvil Jigs

Technical Specifications:

Cell Material	Stainless Steel AISI 400C
Anvil Support Plate	Tungsten Carbide
Pressure Mechanism	Screw driven (RH and LH bolts)
Maximum Pressure	50 GPa
Top/Bottom Angles	51 ° Conical
DAC Diameter / Height	60 mm / 25 mm
Working Distance to Sample	12 mm
Numerical Aperture	0.44

Specifications subject to change without prior notice.
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