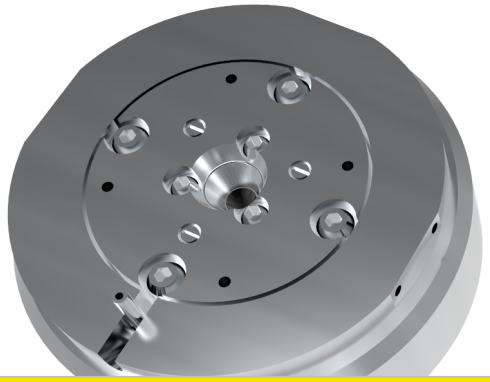

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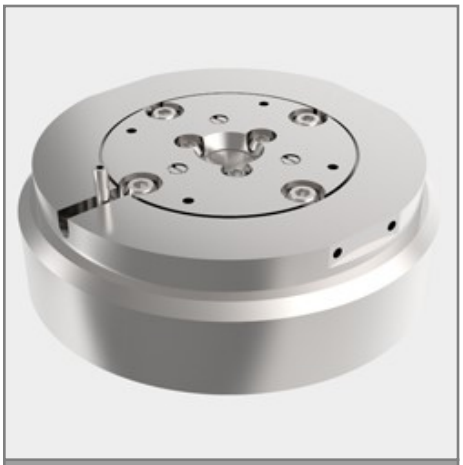
science under pressure

Products



Diacell® µScopeDAC - RT(G)

Diacell® µScopeDAC-RT(G)

Gas membrane diamond anvil cell for micro spectroscopy studies.

Part of the Diacell®µScopeDAC series.

- The Diacell®µScopeDAC-RT(G) 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-RT(G) is symmetrical in relation to the sample and 18 mm thick, which means that the working distance is just 9 mm;
- Being gas membrane driven means that the pressure within the cell can be changed whilst the sample is mounted in the microscope stage, saving considerable time;
- Maximum pressures of up to above 50 GPa are obtained with the Diacell® µScopeDAC-RT(G).

RELATED PRODUCTS:

- Diacell® µScopeDAC-HT(G)
- Diacell® µScopeDAC-HT(S)
- Optiprexx Ruby Line
- Boehler µDriller

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvils
- Stainless Steel 2.5 mm Anvils Rings
- Inconel 10 mm Gasket Blanks
- Heaters 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	Gas Membrane
Maximum Pressure	50 GPa
Top/Bottom Angles	52 ° Conical
DAC Diameter / Height	50 mm / 18 mm
Working Distance to Sample	9 mm
Numerical Aperture	0.44

Specifications subject to change without prior notice.
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