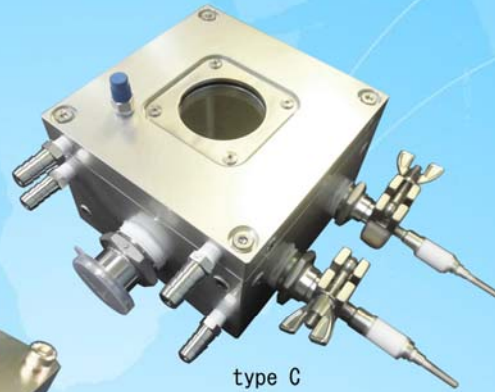


CUSTOMIZED - COMPACT VACUUM CHAMBER

Laser-heated diamond anvil cell (LH-DAC)

Laser-heated diamond anvil cell (LH-DAC) technique is a unique and powerful experimental tool for studying the phase behaviour of materials at thermodynamic conditions comparable to the Earth's deep interior.

Fine tuning of the two thermodynamic variables viz., pressure and temperature enables one to manipulate matter on an atomic scale leading to the synthesis of novel compounds or transformation of the properties of existing materials.



type C



type B



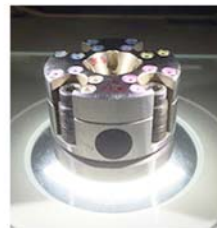
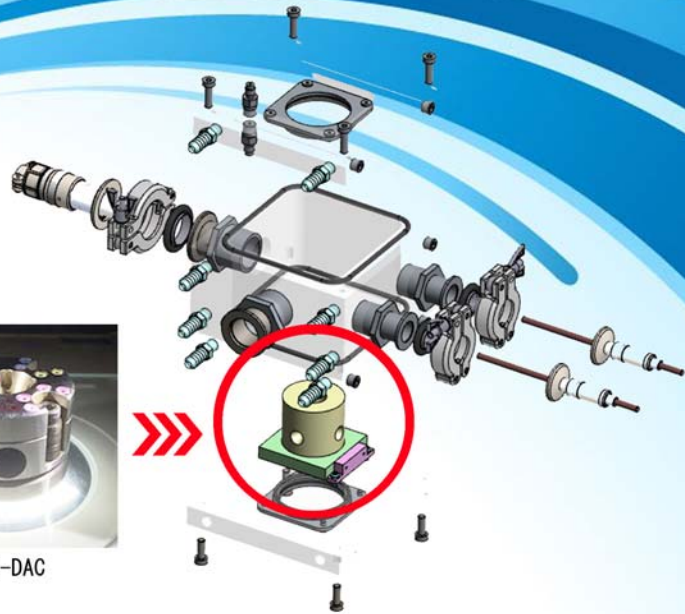
type A

Material:

Aluminum A5052 (vacuum chamber)
Stainless steel SUS304 (vacuum chamber)

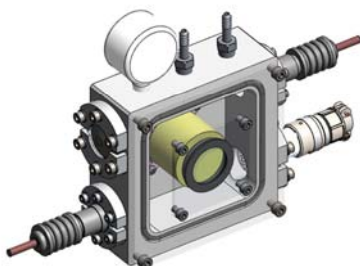
Size (mm):

- A. 73x140x328 (vacuum chamber)
- B. 56x85x105 (vacuum chamber)
- C. 85x140x140 (vacuum chamber)

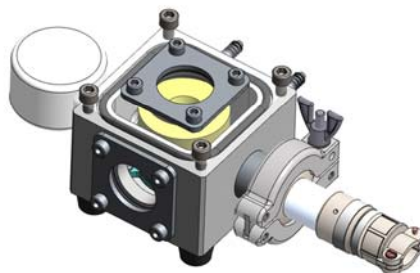


LH-DAC

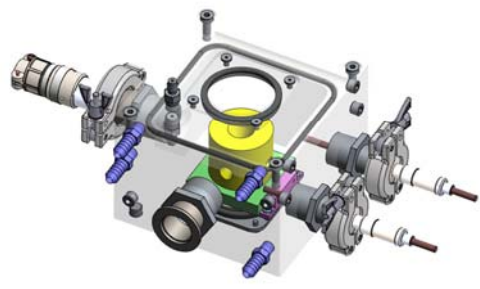
3D concept system



type A



type B



type C

* Customized-Compact Vacuum Chambers is produced for R&D field (Analytical instrument) universities around Japan and Swiss.