

# High pressure cell (HPC) for resistive measurements mounted on the platform with a special puck for conjugation with QD PPMS

High pressure cell is applied for resistive measurements on the PPMS made by "Quantum Design". HPC is installed in measuring cell by means of rod, which is turned up then.

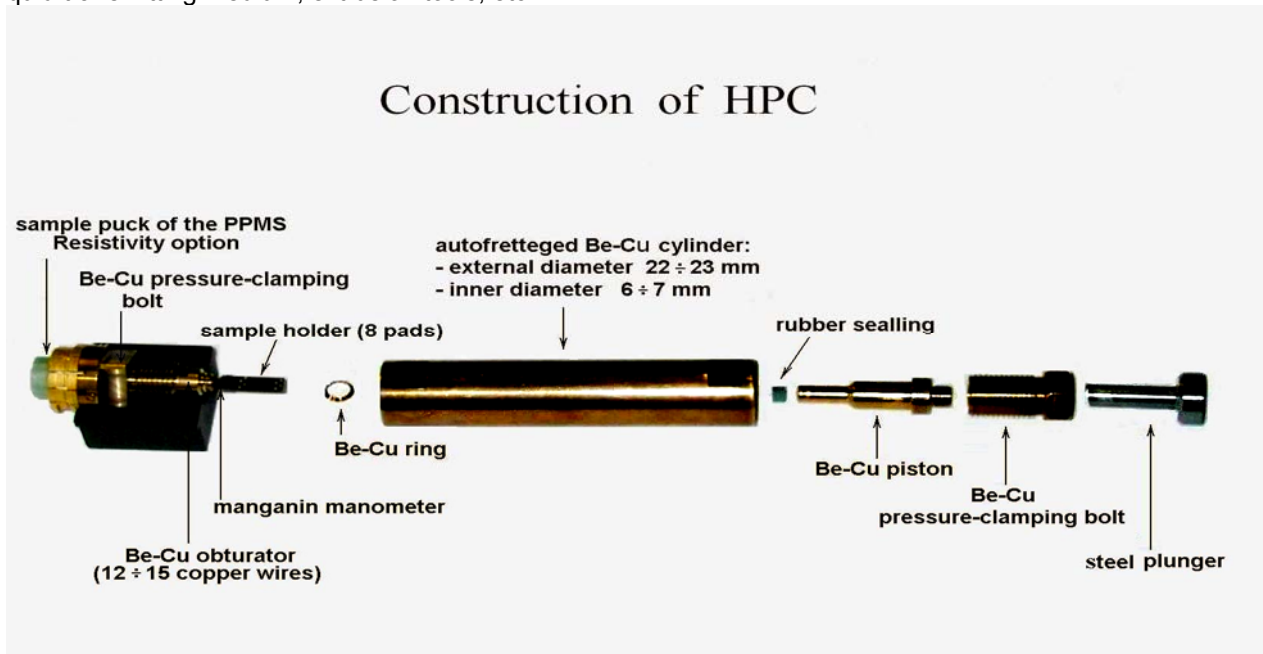
Others HPC modifications having analogous construction (various correlation between external diameter and canal diameter) for pressure from 10 to 20 kbar may be made:

- without platform with special puck for resistive measurements on the others types devices;
- with special coaxial input for NMR investigations;
- with resonator for EPR investigations.

## Specifications:

- able to reach nominal pressures of up to 10 kbar;
- usable sample space of 6-7 mm diameter by 20 mm long;
- external diameter 22-23 mm;
- the sample is placed in the center of the magnet;
- pre-wired feedthroughs with 6 copper twisted pairs;
- pre-wired in-situ manganin manometer for room temperature;

HPC supplied with complete set of ancillaries and consumables, such as sample mounting platform, anti-extrusion rings, liquid transmitting medium, extrusion tools, etc.



## Mounted HPC



## Tools for operation with HPC



Prof. Georgii Levhenko Tel: ++38 062 337 96 99

FAX: ++38 062 337 90 18

<mailto:levch@levch.fti.ac.donetsk.ua>