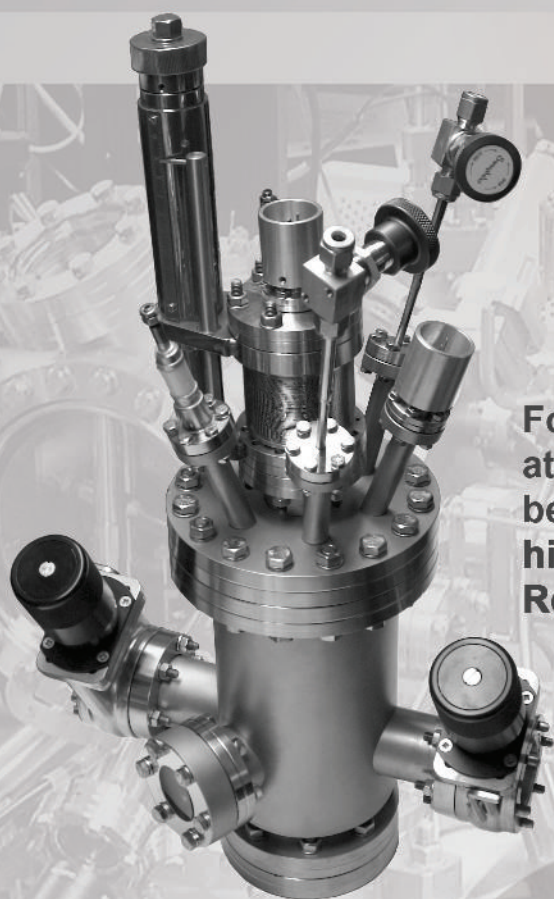




OmniVac

Surface Analysis and Vacuum Technology

High Temperature High Pressure Reactor



For sample treatment in arbitrary atmospheres and adjustable temperature between RT and 800° C OmniVac offers a high Temperature high Pressure Reactor Chamber.

pressure from UHV up to 20 bar

temperature up to 800°C

temperature measurement
at the receiving station

IR/Laser/Inconel-Heater

with internal heat shield

www.omnivac.de

High Temperature High Pressure Reactor

For sample treatment in arbitrary atmospheres and adjustable temperature between RT and 800°C OmniVac offers a high Temperature high Pressure Reactor Chamber. Different heating methods can be implemented (IR/Laser/Inconel).

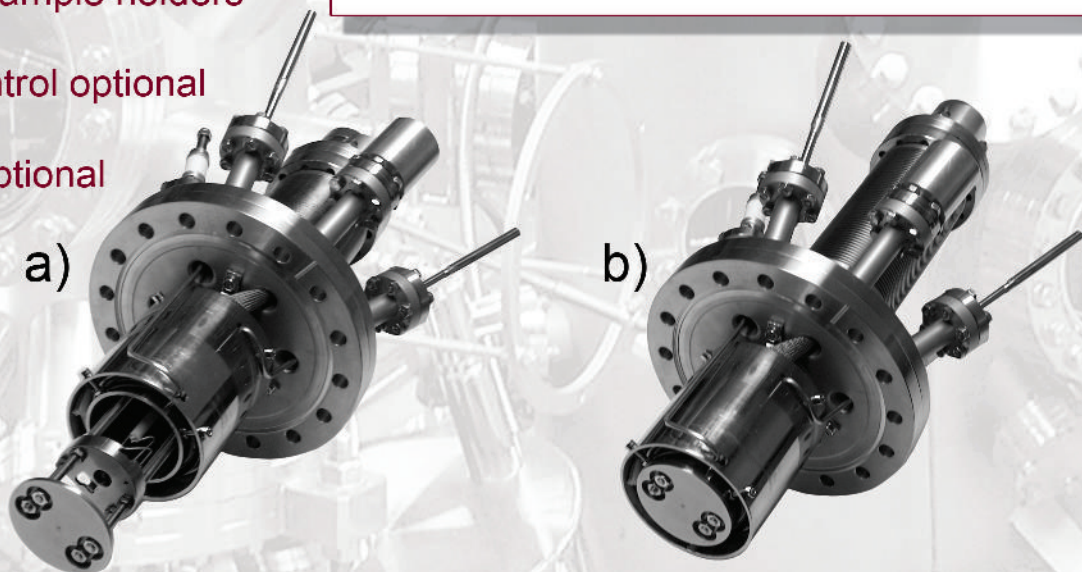
The reactor Chamber can be equipped customized with various sample holder receiving stations (flag style, Cameca, OmniVac). Internal shielding prevents the Chamber and windows from excessive heat. Flanges for sample transfer, viewports etc. can be customized optionally a gas mixing station for controlled inlet of up to 4 gases via MFCs can be provided.

- *Pressure range:* UHV - 20 bar
- *Temperature range:* RT - 800°C
- *Sample holder:* - Flag style
(e.g. Omicron/Specs)
- Cameca
- OmniVac
- *Highly customizable*

▶ for flag style
/ OmniVac
/ Cameca sample holders

▶ gas mix control optional

▶ CO filters optional



Active reactor volume a) opened for sample transfer and
b) closed for temperature/atmosphere treatment.



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