

High Vacuum Sintering Furnace

IBV

Principle

Furnace for heat treatment under high vacuum

Manufacturer	IbV Hamburg
Furnace Type	vertical recipient, water cooled
Heating System	graphite heater, inside
Furnance Chamber	diameter approx. 180 mm height about 250 mm
Useable Gases	argon as purge gas
Pump Kit	rotary vane pump, oil diffusion pump
Pressure Ranges	high vacuum, better 1×10^{-4} mbar
Temperature Ranges	maximum temperature: 2200 ° C continuous operating temperature: 1900 ° C
Optional Equipment	<ul style="list-style-type: none">• optical temperature measurement• toploader, in conjunction with argon as purge gas very low oxygen partial pressure