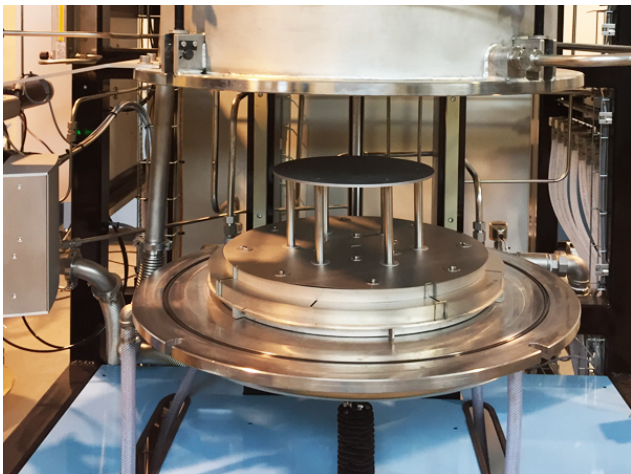
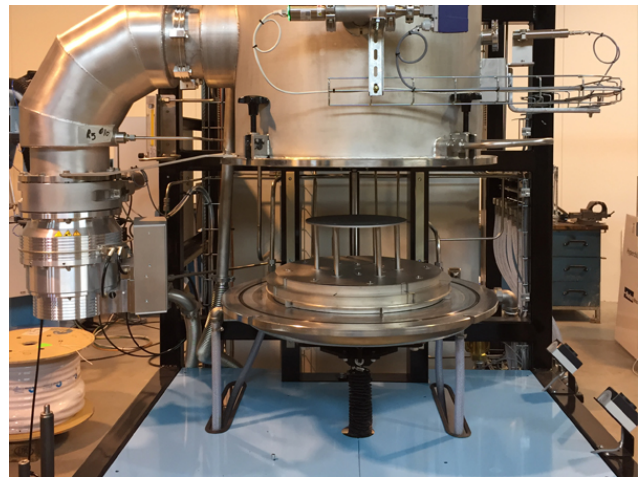


WISTRA CRG-20

VACUUM FURNACE FOR SINTERING OR HEAT TREATMENT
OF TECHNICAL CERAMICS, TRANSPARENT CERAMICS, HIGH
TEMPERATURE METALS AND ALLOYS

WISTRA CRG-20 metallic furnace is designed for the heat treatment of products requiring high temperatures and perfectly controlled atmospheres (high vacuum or high purity neutral gas).



The CRG-20 oven has a maximum temperature of 2000° C.

Its 20-liter working volume contains tungsten heating elements and tungsten and molybdenum radiation shields. The opening and closing of the oven is made easy using an electric lifter, while the products are easily accessible for loading and unloading operations.

The furnace is designed to work under high vacuum and allows in this case to reach level of pressures lower than 10⁻⁶mbar, or under neutral gas flow (argon or nitrogen).

The furnace is controlled with a thermocouple on one zone, while a pyrometer is used to monitor the temperature as close as possible to the products during the thermal cycle.

Programming and monitoring of the oven is very simple thanks to a dedicated PC interface.

The application fields of the CRG-20 furnace are sintering or heat treatment of technical ceramics, transparent ceramics, high temperature metals and alloys, soldering/brazing operations, etc.

WISTRA CRG-20 specifications

| | |
|--------------------------------|-------------------------------|
| Working volume | 21l. |
| Internal dimensions DxH (mm) | 300x300 |
| External Dimensions HxLxP (cm) | 370x160x230 |
| Weight (Kg) | 2700 |
| Insulation materials | W + Mo |
| Temperature measurement | Thermocouple + pyrometer |
| Controller | Stange 702 |
| Max Temp. under vacuum | 2000°C. |
| Max Heating rate | 12°C /min |
| Typical absolute pressure | 10 ⁻⁶ mbar |
| Cooling time | 5h |
| Power | 60kW |
| Current | 3x80A |
| Voltage | 400V |
| Vacuum pump | Dry primary pump + Turbo pump |
| Leakage rate at RT | <10 ⁻⁴ mbar l/s |
| Cooling power requirement | 50kW |
| Water flow requirement | 150l/min |

You are welcome to come and see this furnace in our workshop. We remain at your disposal for any further information, and to provide you with a complete offer, (price, delivery time, warranty, technical description, reference list, maintenance, technical support).

Contact us for a customized price proposal

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