



Application:

The inside of furnace doesn't contain any carbon, which avoids the pollution of carbon. Applies to transforming high purity ceramics into clear ceramics through the sintering. Less working zone, especially for doing the experiment in laboratory. Also used to do the degassing of less product.

Features:

The furnace uses tungsten mesh as heating element with the whole metallic thermal insulation shield and pure tungsten loading platform. Special design of thermal insulation shield to ensure the better uniformity of temperature, less deformation, long using life. Occupying less space, simple to operate it, easy to move it.

Main parameters:

Model	Rated Power	Rated Temperature	Working Size	Ultimate Vacuum
ZW-25-21	18KW	2000℃	Ø60X80mm	10 ⁻³ Pa
ZW-35-23	35KW	2300℃	Ø80X120mm	10 ⁻⁴ Pa
ZW-30-23	30KW	2000℃	Ø80X100mm	10 ⁻³ Pa



Application:

The furnace is vertical or horizontal configuration with the periodic operation uses tungsten or tantalum as heating element. It is applicable to the high temperature sintering treatment of tungsten, tantalum and molybdenum refractory metals or inorganic non-metal materials. Also used for the degassing treatment of metallic materials.

Features:

Vacuum tungsten mesh sintering furnace consists of furnace shell, heating element, thermal insulation radiation shield, vacuum system and electrical control system.

1. Heating element adopts high temperature tungsten mesh or high temperature tantalum slices. Reasonable layout of heating element is useful to better temperature uniformity.
2. Main loop of circuit system is low voltage large current input. Automatic control adopts the mode of PLC plus touch screen. Going by the program, automatically perform the process of the motion, temperature rise and fall. Simple to operate it. Control system possesses alarm and protective functions of water interruption, over-temperature and over-current etc.

Main parameters:

Model	Rated Power	Rated Temperature	Working Size	Ultimate Vacuum
ZW-45-23	45KW	2300°C	Ø140X160mm	10 ⁻³ Pa
ZW-50-23	50KW	2300°C	Ø150X200mm	10 ⁻⁴ Pa
ZW-130-20	130KW	2000°C	Ø250X300mm	10 ⁻³ Pa
ZW-200-21	200KW	2100°C	Ø250X500mm	10 ⁻⁴ Pa