

Vacuum Furnaces



Hindhivac has designed and supplied various size of vacuum furnaces for special applications like, Vacuum Brazing, Annealing, Hardening, Tempering, etc. meeting to the customer requirements.

Horizontal / Vertical type furnaces fabricated out of Stainless Steel with Hotzone made of Molybdenum / Tantalum / Tungsten / Graphite with suitable radiational sheet for temperature ranging from 800°C to 2500° C to meet the specific requirement of the customer.

High speed vacuum pumping system with the option for Diffusion pump / Turbomolecular pump to operate the furnace in the range of 10^{-2} M.bar to 10^{-6} Mbar.

Furnaces are provided with fast Gas cooling facilities with pressure ranging from 800 m.bar to 4 bar absolute, Oil quenching facilities as an option.

Control instrumentation like Temperature programmer controller, Over temperature controller, Auto / Manual vacuum controller, Programmable logic controller (PLC) for complete automation of vacuum cycle, temperature cycle and other necessary safety devices and interlocks for smooth operation.

Complete operation of the vacuum furnace through pc & scada software can be provided as an option.

Salient Features

- Superior design
- Trouble-free working
- Special canned motor based blower for gas quenching.
- Easy maintenance
- PLC based furnace operations
- Total process programme controls
- Strong service back-up
- Application support provided from factory
- Economically priced

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