

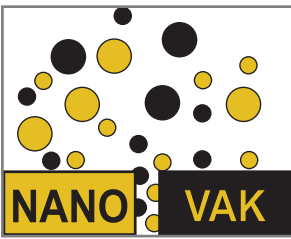
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NANOVAK® offers global products

Vacuum Brazing System



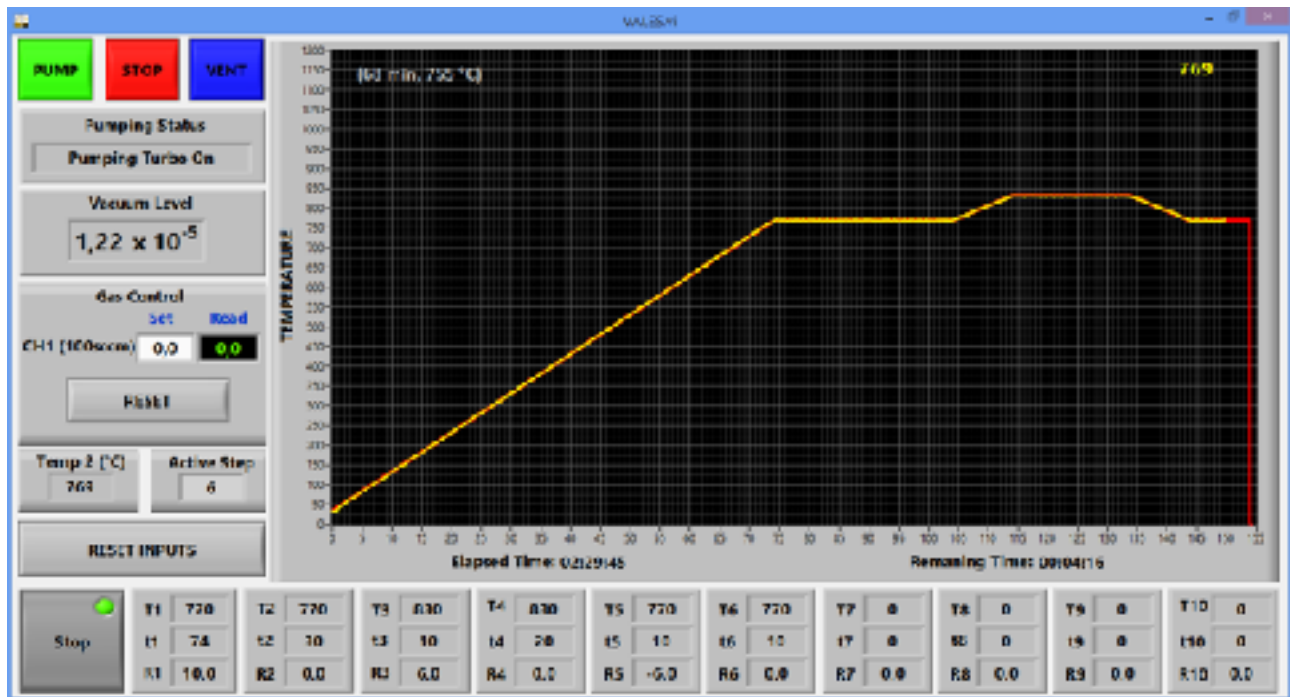
Cylindrical type Brazing System are produced using chambers made out of SS304 materials. Typical properties of the NANOVAK® VALES Brazing System are given below. NANOVAK® Brazing System can be tailored to fit user desires to conduct brazing, annealing and sintering applications. Fully computer controlled process is offered at 1200°C and 10^{-6} Torr process conditions



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Vacuum Brazing System



Screen shot of a brazing computer program, where table temperature profile, temperatures and vacuum level are displayed on the screen.

- Fully automatic computer controlled process
- 100 - 1200 °C high temperature furnace
- Adjustable (5-30 °C/min) heating rate
- Cylindrical vacuum chamber made of SS304, ø65cm x L80cm
- 1×10^{-7} torr base pressure level
- Turbo + Mechanical pump, dry pump as desired, vent and isolation valves
- Wide range (1000 - 10^{-9} Torr) vacuum control and pressure measurement system
- Closed cycle water cooling system
- Mass flow meter gas inputs (Ar, N₂, O₂,...)
- 30x30x40 cm active furnace dimension
- 10 step programmable PID controlled temperature profile
- 10 KVA power consumption
- Friendly interface and simple operation
- One touch start-stop vent button for automatic vacuum management
- 75x120 cm footprint, lockable wheels
- Easily passes through the standard doors
- One year warranty for design, materials and workmanship