NANOVAK

NANOVAK® offers global products

Brazing Systems

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

Hacettepe Üniversitesi Teknokenti, 1596. Cadde No: 95/A, 4. Ar-Ge Binası Ofis 4-5, 06800 Beytepe/Ankara/Turkey
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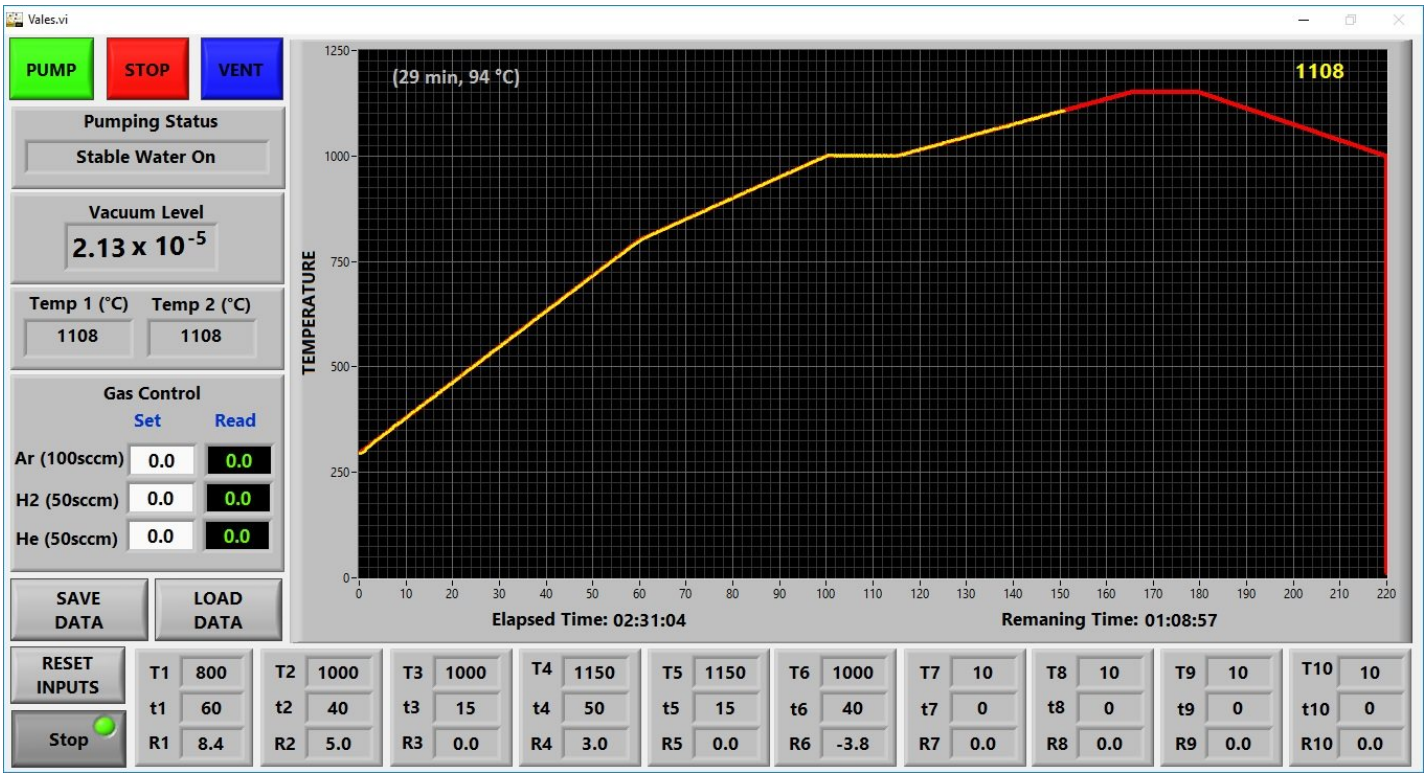
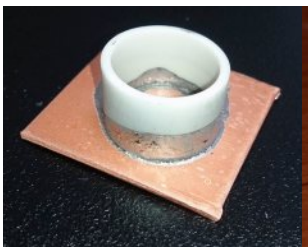
Brazing Systems



Screen shot of a run with NVSS-600, where table temperature profile, temperature 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
- 1x10^{-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, 10 kW water cooling system. Direct cooling by double wall
- Mass flow meter gas inputs (Ar, N_2, O_2, He, H_2…)
- 40x40x50 cm active furnace dimension
- 10-step programmable PID controlled temperature profile
- 10KVA heating power, ability to go through standard doors on wheels



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