

High Temperature Furnace Specifications

1. Benchtop furnace capable of reaching 1300 °C
2. Internal capacity capable of handling 10"W x 10"D x 6"H sample
3. External footprint not to exceed 32" x 32" to be compatible with existing workspace
4. Integrated programmable temperature controller to allow for a minimum of 12 ramp/soak steps
5. Ability to purge furnace with argon during operation
6. Flow meter to monitor/control flow of argon gas
7. Safety interlock on furnace door to prevent operation of heating elements while door is open
8. Over-temperature protection system
9. Removable Retort for applications requiring heating under controlled atmospheres including hydrogen/nitrogen mixtures
10. Atmosphere safety system to allow for safe use of hydrogen/nitrogen gas mixtures.
11. All power requirements must be compatible with existing 208-220V, 60Hz, 3 ϕ supply.
12. Vendor to supply turnkey system including cables, plugs and instruction/training manuals
13. Vendor to supply onsite installation and training