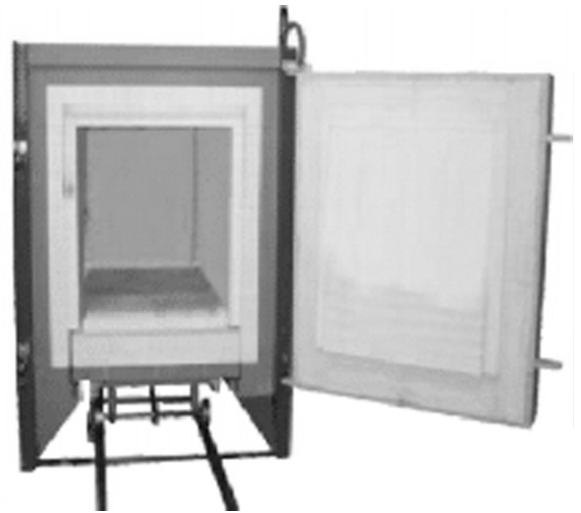


The furnace consists of a solid housing made of a profile steel/steel sheet construction. The insulation is according to the application as well as to the maximum temperature and mainly consists of high insulating refractory light bricks. The heating spirals made of MoSi₂ heating element or Silicon Carbide heating element or Kanthal A1/APM heating wire on supporting tubes is located in the three walls. The furnace bottom is constructed as shuttle, covered with well heat conducting boards and is being moved trackless with a steering gear. Below the furnace guiding rails are installed for facilitate the running in of the shuttle.



Technical Specification

- ✓ **Max. temperature** : 1200°C/1400°C/1600°C
- ✓ Shuttles within the furnace
- ✓ **Temperature Controller** : Microprocessor Based PID Temperature Controller
- ✓ **Heating Element** : Kanthal APM/Silicon Carbide/MoSi₂
- ✓ **Insulation** : High insulating refractory light bricks/Ceramic Fiber Boards.
- ✓ Thermocouple with NABL certificate.
- ✓ **Furnace close** : Swivel door, hinged to the left, Vertical door
- ✓ **Shuttle guide** : Rails in the furnace
- ✓ **Power control** through thyristor or SSR unit.

Model	Max Temp. (°C)	Effective Inner Dimensions	Effective Inner Dimensions	Heating Element
BHF-900	900	Customized Size as Per Request	K Type	Nichrome
BHF-1200	1200		N Type	Kanthal A1/APM
BHF-1400	1400		R Type	SiC
BHF-1600	1600		B Type	MoSi ₂

Optional Features

- ✓ Provision for gas/vacuum purging application (Ar, N₂, O₂, H₂, CO₂ etc.)
- ✓ Programmable PID Controller with RS-232/RS-485/Ethernet & Data Logging Software
- ✓ Available in standard or as per customer size requirement

Standard Application

- ✓ Annealing
- ✓ Stress Relieving
- ✓ Hardening
- ✓ Tempering
- ✓ Normalizing
- ✓ Post Weld Heat Treatment
- ✓ Heat Treatment
- ✓ Wire Annealing
- ✓ Case Hardening
- ✓ Blueing
- ✓ Austempering
- ✓ Austenitizing
- ✓ Homogenizing
- ✓ Billet Heating
- ✓ Pre-Sintering
- ✓ Sintering
- ✓ Mould / Core Heating
- ✓ Preheating / Preheating for forging

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