

Bogie Hearth Furnace

Application

Bogie Hearth Furnaces are mainly used for hardening, stress relieving and tempering of large, heavy weight steel parts and assemblies under air atmosphere.



Standard sizes

Type	Usable space (WxHxL in mm)	Gross Charge In KG Weight
UBA/ UBAF		
200/150/400	2000 x 1500 x 4000	6000
200/200/400	2000 x 2000 x 4000	8000
250/200/500	2500 x 2000 x 5000	12000
300/200/600	3000 x 2000 x 8000	20000
300/200/800	3000 x 2000 x 6000	15000

Special sizes available on request

Salient Features

- Electrically heating with open heaters or housed in radiant tubes
- Gas heating with European make open high energy efficient integrated recuperative burners for high temperature application .
- Ceramic fibre/ Bricklined furnace
- High alumina , high impact resistant bricks on bogie .
- Special Recirculating Fans and air guide baffles for uniform temperature distribution for high temperature uniformity for special stress relieving and tempering application .
- Controlled Furnace Cooling arrangement for special application .
- Electromechanically operated door lifting and lowering with Electropneumatically operated door sealing arrangement to ensure leak tightness .
- Rack and pinion type Electromechanically operated bogie drive with VFD .
- Electropneumatically operated metallic trough filled with ceramic fibre / sand lifts after Bogie enters furnace to ensures effective seal and minimizes hot air leakage .
- For Hardening application , suitable water / polymer quenching tanks can also be supplied
- Model UBA - without recirculating fans
- Model UBAF - with recirculating fans
- Temperature range : 500 to 1100 degC



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