



MOD. HB-1

**BALANCED ELECTRIC FURNACE FOR
ANNEALING AND DEOXIDATION IN
CONTROLLED ATMOSPHERE AND
INSTANTANEOUS COOLING SYSTEM**

MAXIMUM TEMPERATURE 1150°C

SINCE 1946

GENERAL CHARACTERISTICS (COMMON)

HB TYPE

Composed by:

Metal housing built of steel plate duly folded and welded, with manual tilting device and supported on two feet, between which is placed the tempering tank.

Ceramic work or coating forming the interior part of the furnace. Built with isolating material, low density refractory bricks to reduce at the most its thermal mass.

The heating is electrical through resistances attached to the interior walls and the bottom of the chamber. The resistances are built with Kanthal thread rolled up in a spiral way and calculated with a low surface load to guarantee a long life.

Metal or muffle chamber built with a thick plate of special steel and completely tight to introduce any type of protecting atmosphere. Provided with a vertical tilting door which opens automatically when the furnace tips up and thus facilitates the falling of the parts into the water tank.

At the door entry there is a gas curtain to avoid the air entrance into the muffle, which would cause oxidation and decarburization of the parts. Cooling tank built of mild steel plate duly folded and welded, with reinforcements to avoid deformation. Inside there is a collector that guides the falling parts towards a collecting tray or basket; this tray moves manually in a horizontal way from the lower part of the collector to the free tank door and from that point it does its withdrawal outside.

The tank position is planned to be under the furnace and static so that during turning, the parts to be treated fall inside.

Control box composed of a metallic closet attached to a side of the furnace and inside there are all the tools for the facility control. The temperature adjusting equipments as well as the other control devices are placed in the front panel.

Generating equipment of protecting atmosphere through incorporated ammonia dissociator.

Manufactured according to CE standards.

MODEL	Dimensions mm.						Ammonia Dissociator	Power Kw	Voltage
	Interior Dimensions			Exterior Dimensions					
	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	DEPTH			
HB-1	120	190	350	1600	1000	1400	•	8 Kw (6-2)	220/380 v. III
HB-2	140	300	500	1200	1800	1500	•	10 Kw (8-2)	220/380 v. III
HB-3	140	400	500	1800	1200	1500	•	11 Kw (9-2)	220/380 v. III

- CUSTOMISED FURNACES UNDER REQUEST