

Melting electric tilting furnace PTS 970/12



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Technical parameters

Mark:	PTS 970/12
Max. temperature:	1200 °C
Recommended range of operating temperatures:	650-1000 °C (in crucible)
Capacity:	840 kg of Al
Crucible type Noltina or equivalent:	TBNS 800
Capacity of crucible:	320 l
External dimensions (w x h x d):	2250 x 2450 x 2000 mm
Melting output**:	250 kg of Al alloys/h
Heating power input:	102 kW
Weight:	3500 kg
Protection*:	200/3
Voltage:	3/N/PE 400/230 V AC 50 Hz

*Protection can vary depending on the accessories chosen (at additional cost).

**The melting output values specified in the table are the maximum values. They are achievable if the conditions mentioned below are complied with. Approximately 80 % of the maximum value of the melting output is achieved during actual operation.

Description

The furnace is used as a melting device with the possibility of tilting and pouring the melt into the transport pan or transport holding furnace for subsequent processing at temperatures up to 1200 °C (in the furnace chamber, approximately 1100 °C in a crucible – these values are guaranteed only when using unworn Noltina crucible of the appropriate size).

Standard design of furnace

- Crucible
- Hydraulic furnace tilting
- Ht40T controller
- Limit unit
- Protective collar of crucible
- Manual lid
- Emergency drain at the bottom of the furnace, with flap
- "S" type limiting and controlling thermocouple
- 3 ammeters for checking the status of the heating elements
- Switching of the heaters using contactors
- Residual current protector
- Legs to facilitate handling by a forklift at volumes of 400 l or more
- Connection between the furnace and switchboard, within a metal hose with a plastic protector, length of up to 5 m
- Wall switchboard
- Hydraulic aggregate is on the right side of the furnace, the hand lever control is on the right side of the furnace



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Benefits

- Furnace chamber with a long-term service life, mechanical durability and resistance to corrosion
- Simple replacement of the spirals if they become damaged
- Simple replacement of the crucible by dismounting the top furnace cover
- Use of the lid reduces operational costs
- Robust, durable design for heavy-duty operations
- The chamber is provided with an emergency drain with an insulated flap so that it is protected against damage in the event of melt leakage from the crucible
- Easy to install, easy to control
- Custom adjustments
- 24-month warranty
- Mechanical durability
- High melting output