Heat Treat Furnace

Tank Configurations

Tank Type G

Tank Type P

Tank Type GS and GH

Abbott produces one of the highest quality continuous belt quench furnaces available anywhere in the world. A complete line of parts washers, temper/draw furnaces, annealing furnaces and other supplementary items are also available. All equipment is manufactured in St. Marys, Pennsylvania and serviced by Abbott’s trained technicians.

The mesh belt is driven by means of a moving hearth plate driven by an eccentric generating a reciprocating movement. The mesh belt lying on the hearth plate is carried forward on each advance stroke. Slack is taken up by the drive drum which is synchronized with the hearth plate.

1. Steel Frame
2. Thermal Insulation
3. Heating Chamber
4. Gas Tight Muffle
5. Moving Hearth Plate
6. Hearth Drive
7. Mesh Belt Conveyor
8. Drive Drum
9. Drum Drive
10. Load Table
11. Quench Tank
12. Return Duct
13. Water Trap
14. Gas Inlet
15. Chute
16. Fans
17. Quenchant Tank
18. Flame Curtain

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