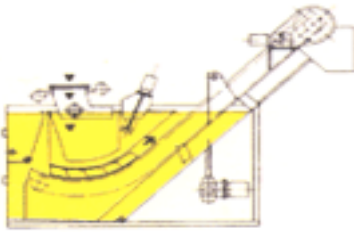


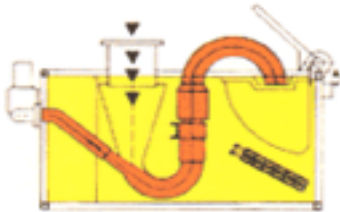
## Heat Treat Furnace

### Tank Configurations

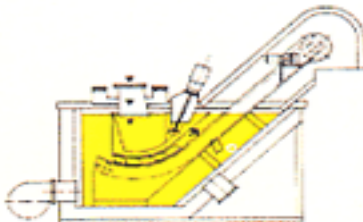
#### Tank Type G



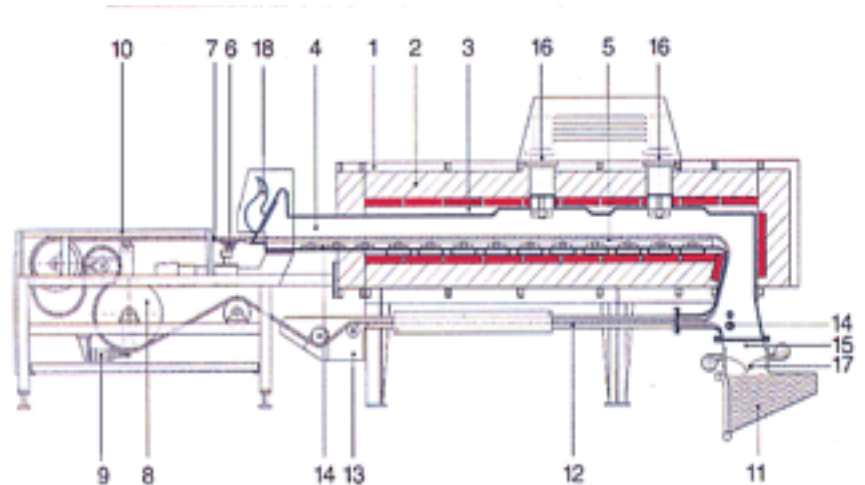
#### Tank Type P



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