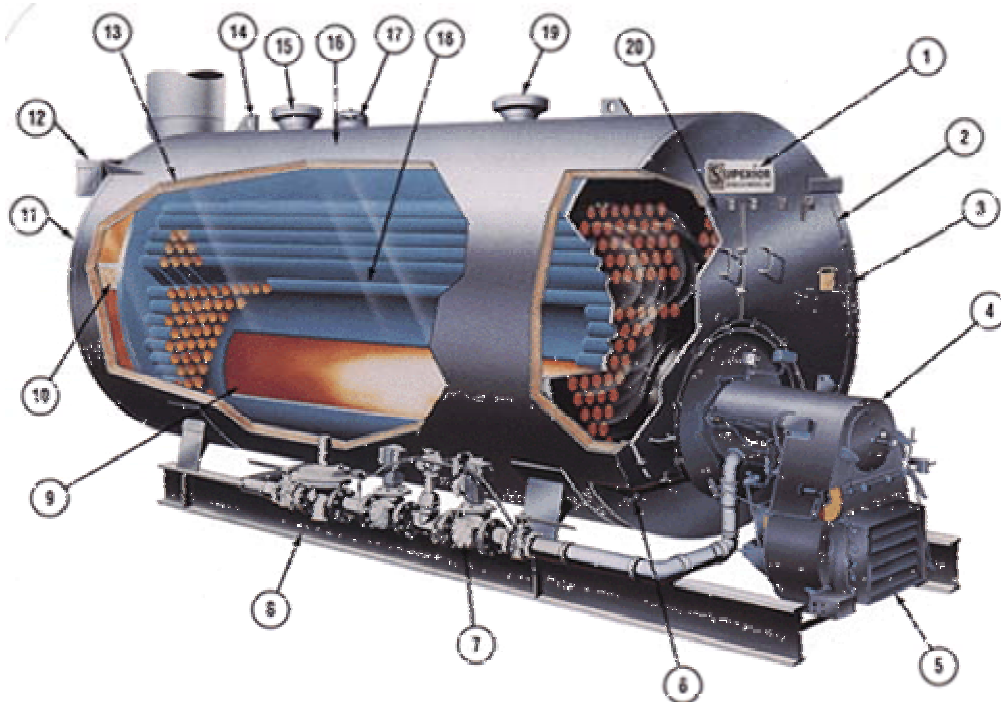


## Boiler Components



1. Outer Body Part with manufacturer label.
2. Davit front doors allow for total access to the return tubes without interference of baffles or inner doors.
3. To assure ease of opening and closing, front and rear doors utilize studs with lugs and brass nuts.
4. UL Labeled boilers are supplied with Gordon-Piatt burners. Other boiler burner combinations are available upon request. All burners are specifically matched with the pressure vessel for complete, efficient combustion. Burners are available in either gas or oil, or in a combination of gas and oil using either air or pressure atomization of the oil.
5. Air louver linkage and setting are visible for ease of monitoring, adjusting and cleaning.
6. Two handholes are supplied in the front tubesheet for ease of maintenance.
7. Factory-installed gas train is equipped with main gas pressure regulator. Gas train can be mounted on either side of the boiler for ease of installation. Standard gas trains comply with UL requirements and can be modified to meet IRI, FM, SSD-1, and NFPA85A.
8. Structural steel skid-type base supports and protects burner.
9. Location of large diameter furnace in bottom third of the boiler provides for complete combustion and maximum heat transfer while being in contact with coolest boiler water.
10. Rear refractory is field castable providing for ease of maintenance and eliminates costly refractory repairs.
11. The rear door is sealed with a ceramic fiber blanket for ease of maintenance and to assure a gas tight seal.
12. Roller-bearing supported davit makes possible a reduced opening space and can be arranged for left or right hand opening.
13. Two-inch mineral fiber insulation with 8-lb. density per square foot and an R Factor of 8.7.
14. Lifting Lugs facilitate loading and unloading.
15. Hot water return with dip tube to help steam the entrance of air into the system.
16. 22-gauge galvanized/phosphate coated steel jacket is painted with a high temperature hard silicone paint.
17. Manways are standard equipment on boilers model 13-1000 and larger.
18. Efficient/economical 3-pass design.
19. Return water inlet complete with a reducing 90 degree elbow. The resulting jet provides for the mixing of the return water with the hot water in the boiler.
20. Front smokebox and doors are lined with ceramic fiber blanket.

### Reference:

<http://www.cisco boiler.com/seneca.html>