

SUPERIOR
BOILER WORKS, INC.

"Demand Superior Performance"



**WASTE HEAT
RECOVERY BOILERS**



Excellence in

Superior Boiler Works, Inc. offers Waste Heat Recovery Boilers in three basic designs to provide the greatest flexibility of any manufacturer in selecting a unit that is designed to meet the specific requirements of each application. Unit designs are based on computer programs developed by Superior Boiler Works that match job conditions with the basic design to provide optimum performance.

CHEROKEE DUAL CHAMBER

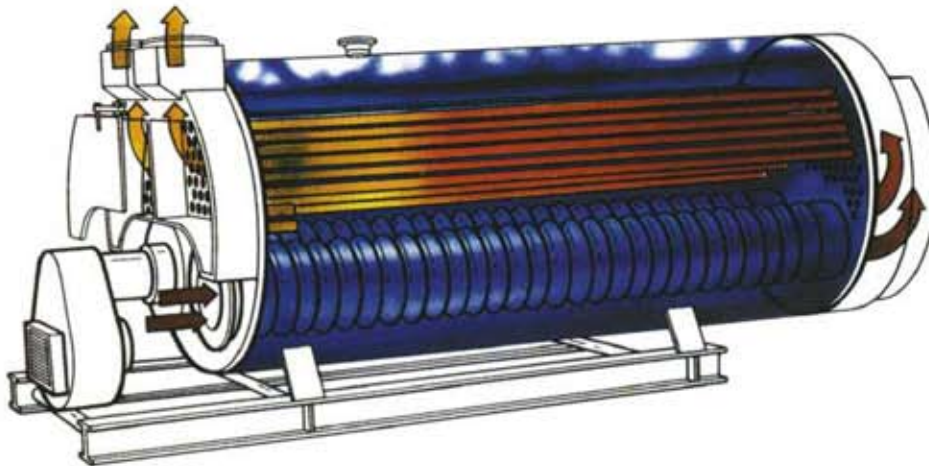
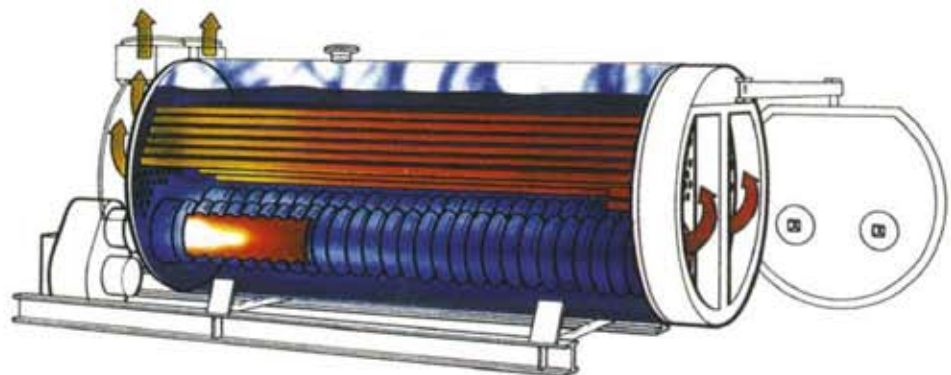


Diagram of waste gas flow Cherokee Dual Chamber Boiler

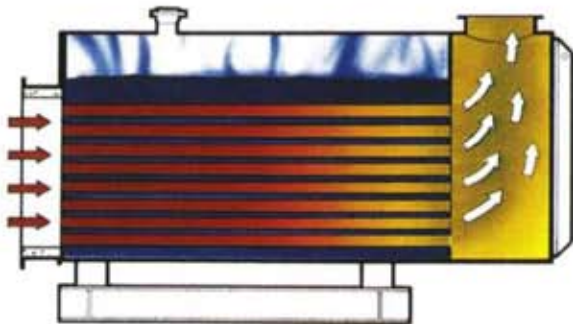
Diagram of supplemental firing gas flow Cherokee Dual Chamber Boiler



Superior's Cherokee Dual Chamber Units are designed to combine the advantage of waste heat recovery with the security of a fired boiler to provide steam or hot water during periods of time that waste gas is unavailable. The separated gas side passes allow for firing the forced draft burner without running the waste heat induced draft fan or for the simultaneous firing of waste gas and the supplemental forced draft burner.

- Engineering - Fabrication

KIOWA

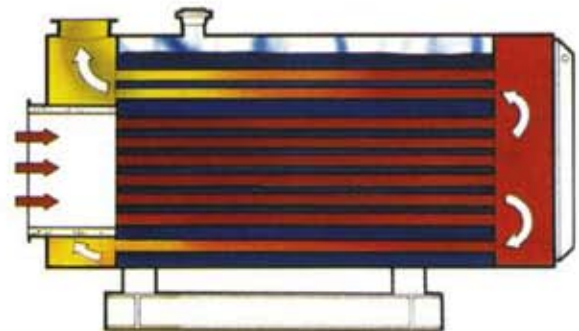


KIOWA

SINGLE PASS HEAT RECOVERY

Kiowa Single Pass Heat Recovery only units are designed with 2" & 2.5" heat transfer tubes. Typical applications: high particulate levels, low gas side pressure drop, high steam design pressures, inlet temperatures to 1800° F.

COMANCHE

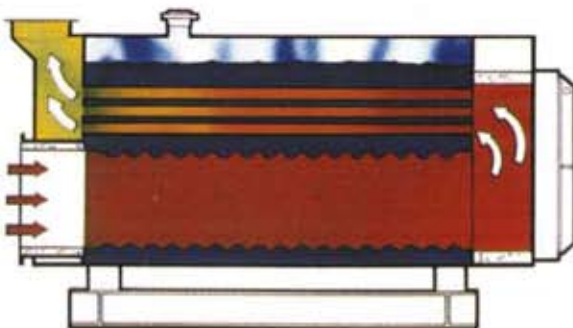


COMANCHE

TWO PASS HEAT RECOVERY

Comanche Two Pass Heat Recovery units are designed with 2" & 2.5" heat transfer tubes. Typical applications: moderate particulate levels, space limitation, high steam pressures, inlet temperatures to 1800° F.

AZTEC

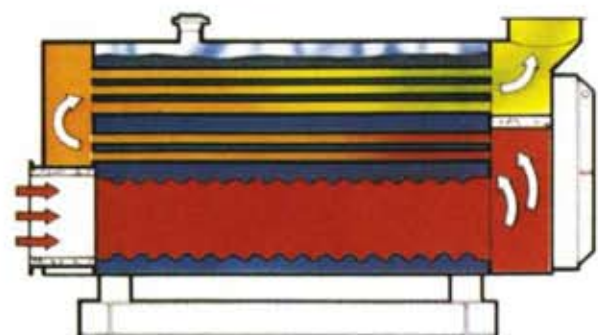


AZTEC

TWO PASS HEAT RECOVERY

Aztec Heat Recovery only units are designed with a large diameter furnace for gas inlet temperatures to 2400° F., 2.5" heat transfer tubes. Typical applications: low particulate levels, high inlet temperatures.

MOHAWK



MOHAWK

THREE PASS HEAT RECOVERY

Mohawk Three Pass Heat Recovery units are designed with a large diameter furnace for waste gas inlet temperatures to 2400° F with 2.5" heat transfer tubes. Typical applications: low particulate levels, high inlet temperatures, moderate gas side pressure drop.



Superior Boiler Works, Inc.'s engineering and manufacturing expertise has led to the development of the Dual Chamber waste heat recovery boiler with auxiliary burner to maintain pressure when waste heat is not adequate.



Superior Boiler Works, Inc. has been manufacturing a line of quality firetube boilers in Hutchinson, Kansas since 1930 with over 20,000 boilers of Superior manufacture located throughout the United States and many foreign countries. Superior Boiler Works entered the waste heat recovery market in 1969 with the design and manufacture of a 3,000 square foot waste heat recovery boiler with supplemental firing. Since that time Superior has developed single, two and three pass units, with supplemental firing.



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