

# Powermaster®

## Pressurized Hot Water Boiler Wet-Back-Hot Water Series WB-A2-4P-HW

- Capacities: 80 to 1000 BHP.
- Pressures up to 150 psi.
- Temperatures up to 250°F.
- Superheated water for heating.
- Fuels: Diesel, LPG, Natural Gas or Heavy Oil.



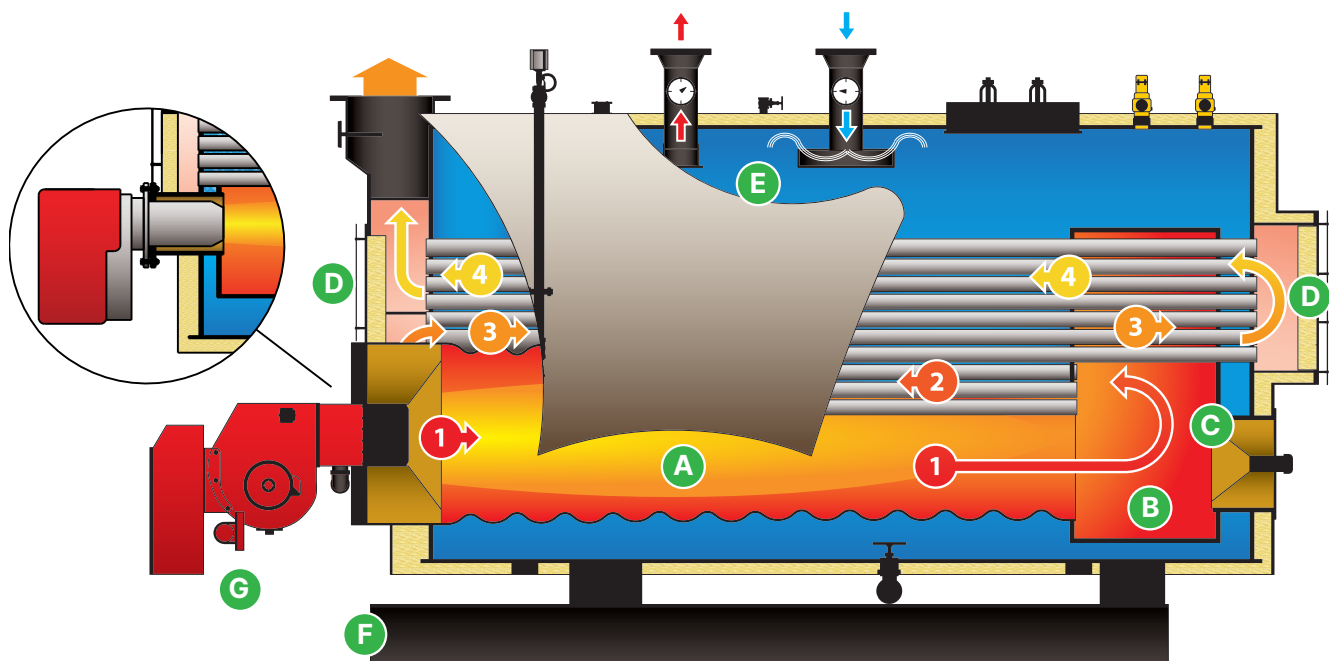
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# CHARACTERISTICS: series WB-A2-4P

- > **Four pass scotch marine design .**
- > **Designed** and manufactured as per **ASME** Section I and IV.
- > **Large furnace chamber** with low fatigue coefficient.
- > Low water side pressure drop across boiler.
- > **High efficiency.**
- > Completely automatic operation.
- > **Integrated control panel.**
- > Wet back starting at **80 BHP** (Dry back below 80 BHP).

## REQUIREMENTS

- Closed loop hot water circuit with a PH of 10 or more.
- Recirculating pump installed in the closed loop.
- Expansion tank.
- Minimum pressure required is a function of the desired operating temperature.
- Water inlet and outlet connections free of stresses.
- Minimum flow required is a function of the desired operating temperature.
- Standard Steel pipe connections.



- A Corrugated furnace chamber.
- B Wet-Back.
- C Manhole access.
- D No refractory in doors.
- E Ample steam dome.
- F Structural steel base.
- G Weishaupt, Riello, Webster, Johnson or Powerflame burner.

- 1 First pass.
- 2 Second pass.
- 3 Third pass.
- 4 Fourth pass.