

Additional Warranty Exclusions and Limitations for Pool/Spa Use

1. SEC does not warrant heat exchangers exposed to corrosive water/elements harmful to the structural integrity and durability of the product.

(Please refer to recommended chemical levels in this Table)

CHEMICAL	LEVELS
Free Chlorine	1.0 – 3.0 ppm
PH	7.2 – 7.8
Calcium Hardness	200 – 400 ppm
Alkalinity	100 – 150 ppm
Total Dissolved Solids	Less than 1,000 ppm
Bromine	2.0 – 4.0 ppm
Copper	0 ppm
Chloride	Less than 140 ppm

2. Stainless steel heat exchangers cannot be used with seawater or salt water. SEC recommends titanium heat exchangers for seawater, salt water, and corrosive applications.
3. The warranty is void and shall not apply if units fail due to faulty installation and operation of chlorinator.
4. Chlorinators must feed downstream of the heat exchanger and have an anti-siphoning device to prevent chemical back up in the heat exchanger when the pump is shut off.
5. When adjusting chlorinator feeder, or when shock-chlorinating the pool, isolate the heat exchanger (by closing isolation valves and opening the bypass line) until the chlorine level in the pool returns to the proper level.
6. When filing a warranty claim, SEC reserves the right to request a water sample analysis from an independent laboratory. If the claim is deemed valid, SEC will reimburse the purchaser for the cost of the analysis.

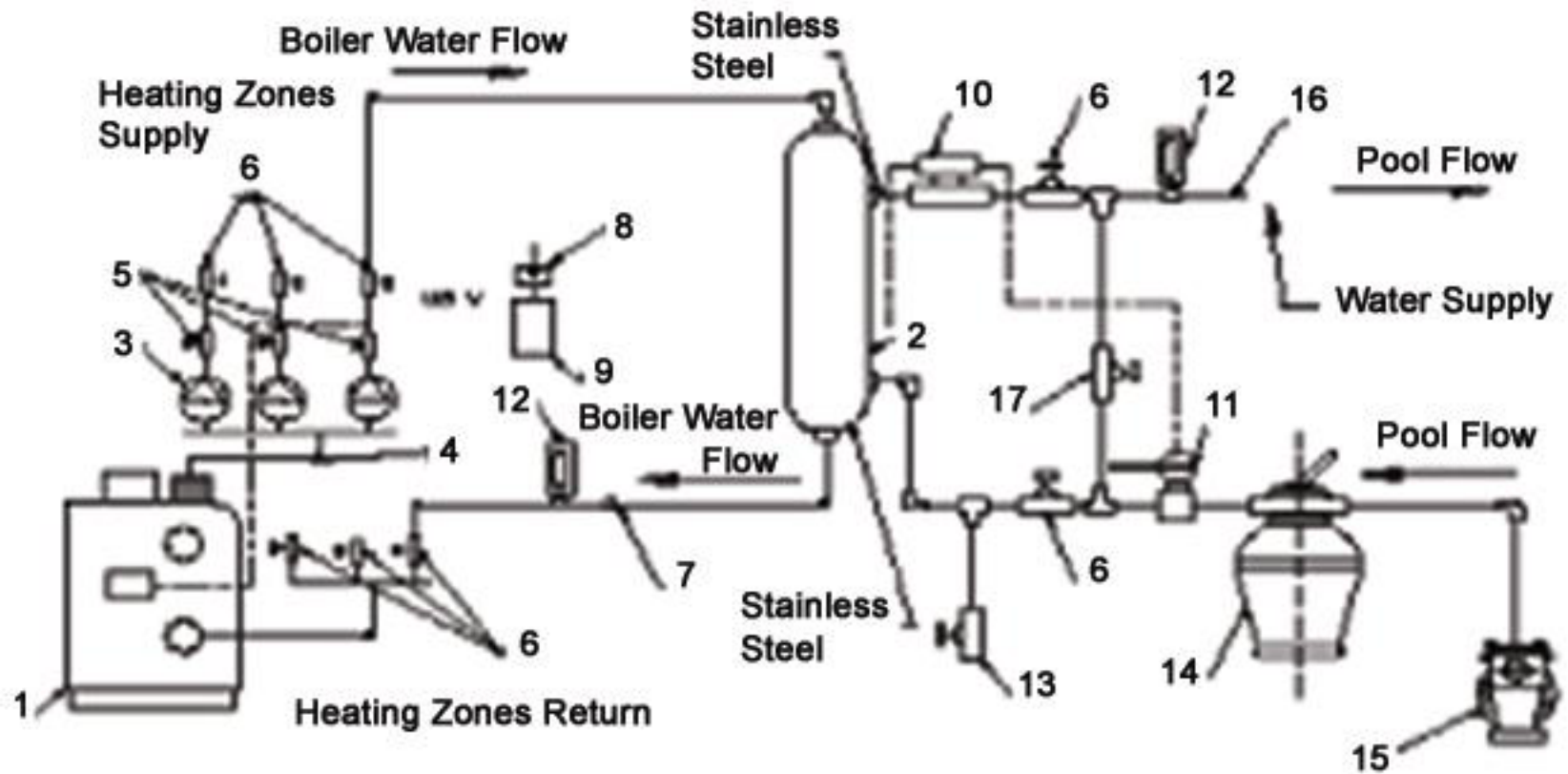


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Sample Installation Diagram

1. Boiler
2. Heat Exchanger
3. Circulators
4. Boiler water circuit
5. Flow control valve
6. Gate valve
7. Check valve
8. On/Off switch
9. Relay
10. Flow switch
11. Thermostat or Aqua stat
12. Thermometer
13. Drain valve
14. Filtration
15. Pump
16. Water supply
17. Bypass valve



NOTE:

- Damage to the heat exchanger due to improper water chemistry is not covered under the warranty
- Chlorine feeder must be installed after (downstream of) the heat exchanger and be installed with an anti-siphoning valve to prevent chlorine from backing up into the heat exchanger.
- This is only a conceptual drawing. A qualified installer must determine whether this system setup will work in each application. Installer must also ensure compliance with code requirements.