

Considering a New Steam Boiler? Look for These 10 Important Features

Your investment in a new steam generator should pay off in many years of dependable performance. The unit you install should deliver high quality, dry steam rapidly, maintain pressure when demand fluctuates, offer the advantages of compact design and provide discernible fuel efficiency. Steam generators from Clayton Industries, backed by more than three-quarters of a century of industry leadership, offer these and other important benefits.

Other factors that can influence your choice of a steam generator include prompt and attentive customer service, and the availability of peripheral steam system and chemicals from one source. Here are 10 questions you need answers to before you buy.

1. Is rapid start-up always important?

Almost always. Whether you use steam for processing, heating or cleaning, fast startup is an asset. Clayton steam generators go from cold to full steam production in approximately 10 minutes.

2. Is size important?

Absolutely. Compact design in steam generators saves valuable in-plant floor space, and reduces installation and maintenance time. Clayton generators are available in sizes from 20 to 700 BHP with design pressures up to 2,600 PSI.

3. What about fuel consumption?

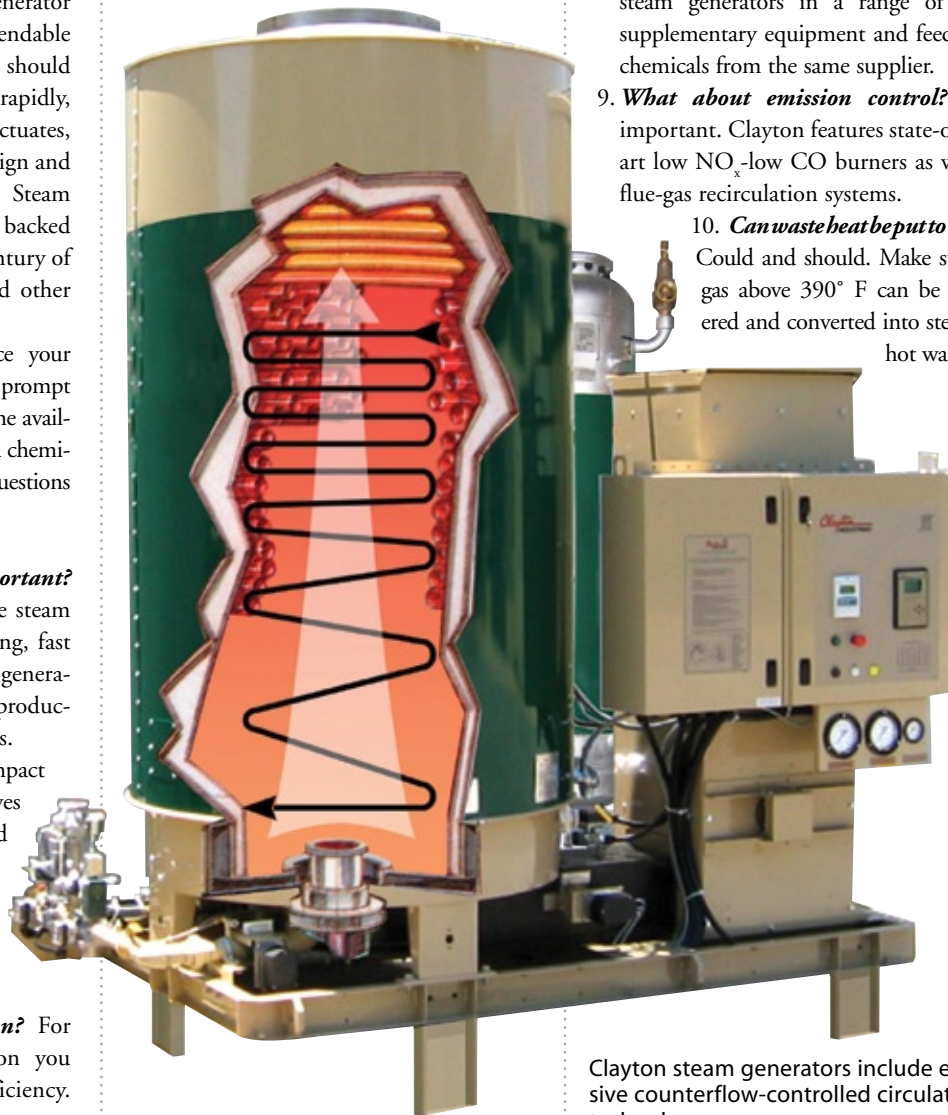
For significant energy cost reduction you obviously want peak fuel efficiency. Adaptability also can be important. Clayton steam generators burn natural gas, fuel oil, or a combination.

4. Should you focus on steam quality?

Consistently delivered high-quality steam improves the quality of your operation. Clayton's fixed vane separators yield the driest saturated steam available, typically less than 0.5% at all loads.

5. What should you look for in service?

Factory-direct chemicals, sales and services are a benefit. So are branch offices that they can react quickly to your needs.



steam generators in a range of sizes, supplementary equipment and feedwater chemicals from the same supplier.

9. What about emission control?

Very important. Clayton features state-of-the-art low NO_x-low CO burners as well as flue-gas recirculation systems.

10. Can waste heat be put to work?

Could and should. Make sure all gas above 390° F can be recovered and converted into steam or hot water.

6. What should your safety objectives be?

There can be no compromise. A Clayton steam generator design puts safety foremost and eliminates the possibility of steam explosions.

7. Should you ask about packaged systems?

Sure. Sometimes a packaged system is the ideal solution to your steam generation needs. Clayton offers complete skidded systems, pre-wired and pre-plumbed.

8. How important is single-source service?

It's convenient and time-saving to have

Clayton steam generators include exclusive counterflow-controlled circulation technology.

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