

Boiler control systems — Providing efficiency to your boiler



Innovative systems put you in control

All combustion equipment requires a level of control to maintain proper combustion, high system efficiency and environmental standards. Controllers are available today to automatically measure and adjust the combustion process including fuel, oxygen, and combustion results. This level of control provides the highest combustion efficiency and offers the lowest environmental emissions.

Boiler staging is essential to maintaining system efficiencies. Boiler sequence controllers consider load conditions and match load with the most efficient combination of boiler capacity and operating efficiencies. Not all boilers suffer part-load efficiency reductions. Today's controller continually evaluates load profiles to determine whether it is better to run 2 boilers at 1/2 fire in order to better match rapidly changing loads, or 1 boiler at full fire for peak efficiency.

Boiler blowdown is a very important part of any water treatment program. Its purpose is to limit the concentration of impurities in the boiler water. The right amount of blowdown is critical — too

much results in energy loss and excessive chemical treatment cost; too little and excessive concentrations of impurities build up.

To evaluate your boiler system and determine what steps you can take to control your boiler system, contact us. We will provide you the information you need to determine the level of control you need to operate an efficient boiler system.



For more information, please
contact the Energy Services
Department at 302.736.7894.