

School Modernizes Burners with Energy Saving

Ben Franklin School, Rochester, NY



The Benjamin Franklin School in Rochester, NY recently upgraded three of its existing burners with the Fireye® Nexus PPC5000 control system.

The whole school had recently received a complete modernization to all of its plant. This, including a new boiler house installation, was provided by mechanical contractor O'Grady McCormick of Rochester.

Buckpitt & Co., the Fireye® Nexus authorized distributor (also of Rochester), carried out the retrofit of the PPC5000 systems. These were fitted to each of the three Gordon Piatt burners on the site to provide the school the latest in available control technology as well as energy savings.

The boilers are Donlee SPL-250 units, with a capacity of 8,370 lbs hour. Each is fitted with

Gordon Piatt S14.1-GO-75, dual fired burners. These fire natural gas with a no. 2 oil standby.

The Nexus PPC5000 systems offer high accuracy, independent positioning of fuel and air. This provides precise control

of the fuel to air ratio throughout the firing range. The controls also regulate the burner capacity to exactly meet the boiler demand, minimizing fuel use.

The complete system is further expanded by the on board lead-lag system. This accurately determines the number of boilers required to meet the building load at all times.



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