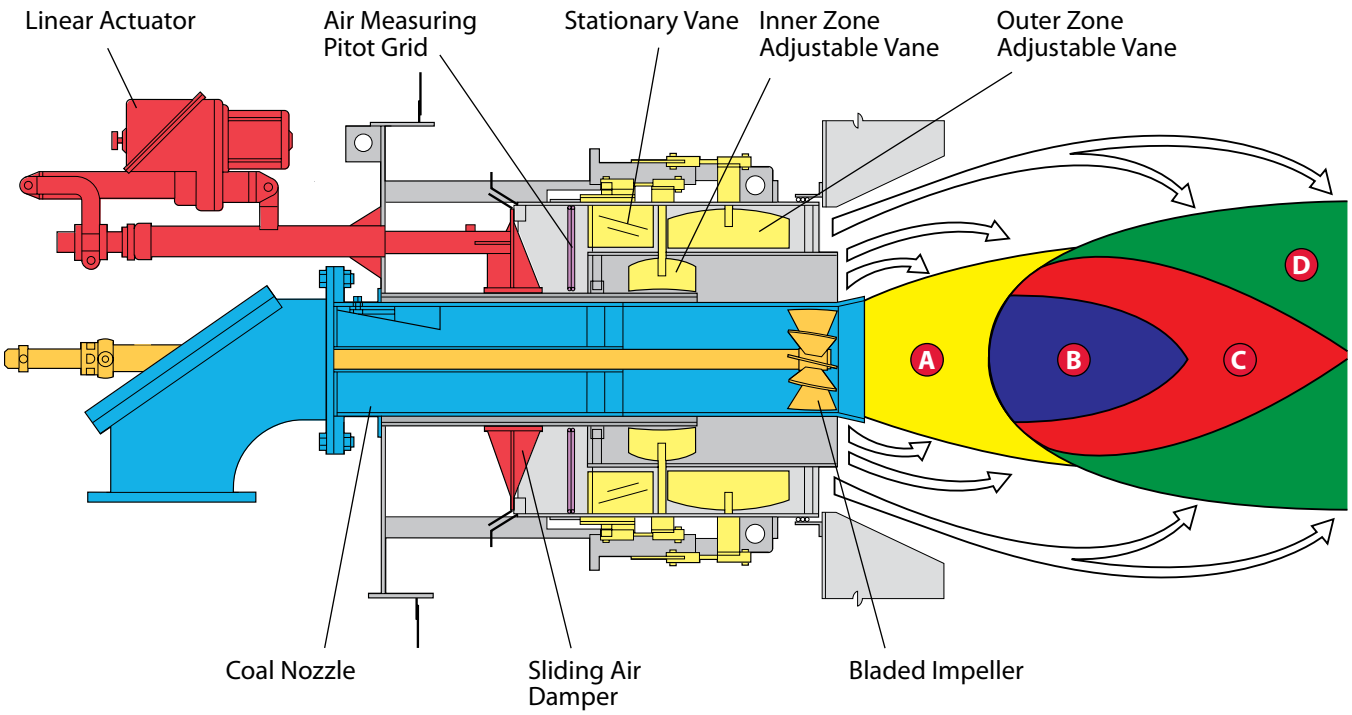
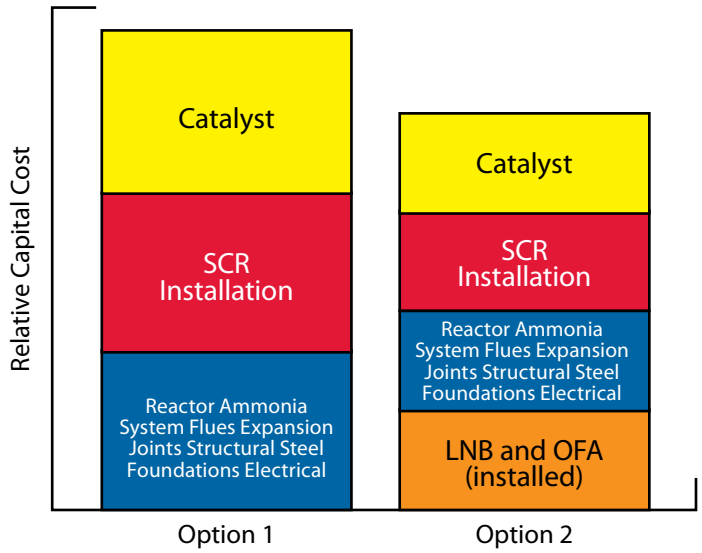
DRB-XCL® Burner for Pulverized Coal-Fired Applications



- **A** High temperature — fuel rich devolatilization zone
- **B** Production of reducing species zone
- **C** NO_x decomposition zone
- **D** Char oxidizing zone

The DRB-XCL burner uses internal staging to promote rapid devolatilization in a sub-stoichiometric environment to reduce NO_x formation. As fuel particles move through the four reaction zones, both NO_x reduction and combustion performance are optimized.

B&W has all the building blocks for your complete integrated low NO_x compliance solution



Combinations of low NO_x burners (LNB), overfire air ports (OEA) and selective catalytic reduction (SCR) equipment provide a very flexible system of NO_x control alternatives. As the graph shows, optimizing the entire combustion system will dramatically reduce the size and capital cost of the SCR system. SCR operating costs are also significantly reduced via this total design approach.

The Value of Proven Experience

The DRB-XCL internally staged, low NO_x burner offers significant NO_x reduction capabilities across the full range of wal-fired boiler configurations and combustion firing patterns.

B&W's leadership in the field of low NO_x reduction technology began in 1962 wuth the first patented overfire air port system design. That leadership continues with unparalleled experience, proven equipment and innovative technology. Our complete low NO_x systems are designed to be cost effective, dependable and adaptable to the full range of fuels and boiler arrangements in new or retrofit applications. B&W has the experience and technology to meet the most stringent NO_x reduction requirements.

Established in 1867, Babcock & Wilcox is a global leader in advanced energy and environmental technologies and services for the power and industrial markets, with operations, subsidiaries and oint ventures worldwide.

For more information, or a complete listing of our sales and service offices, send an e-mail to info@babcock.com, or access our website at www.babcock.com.

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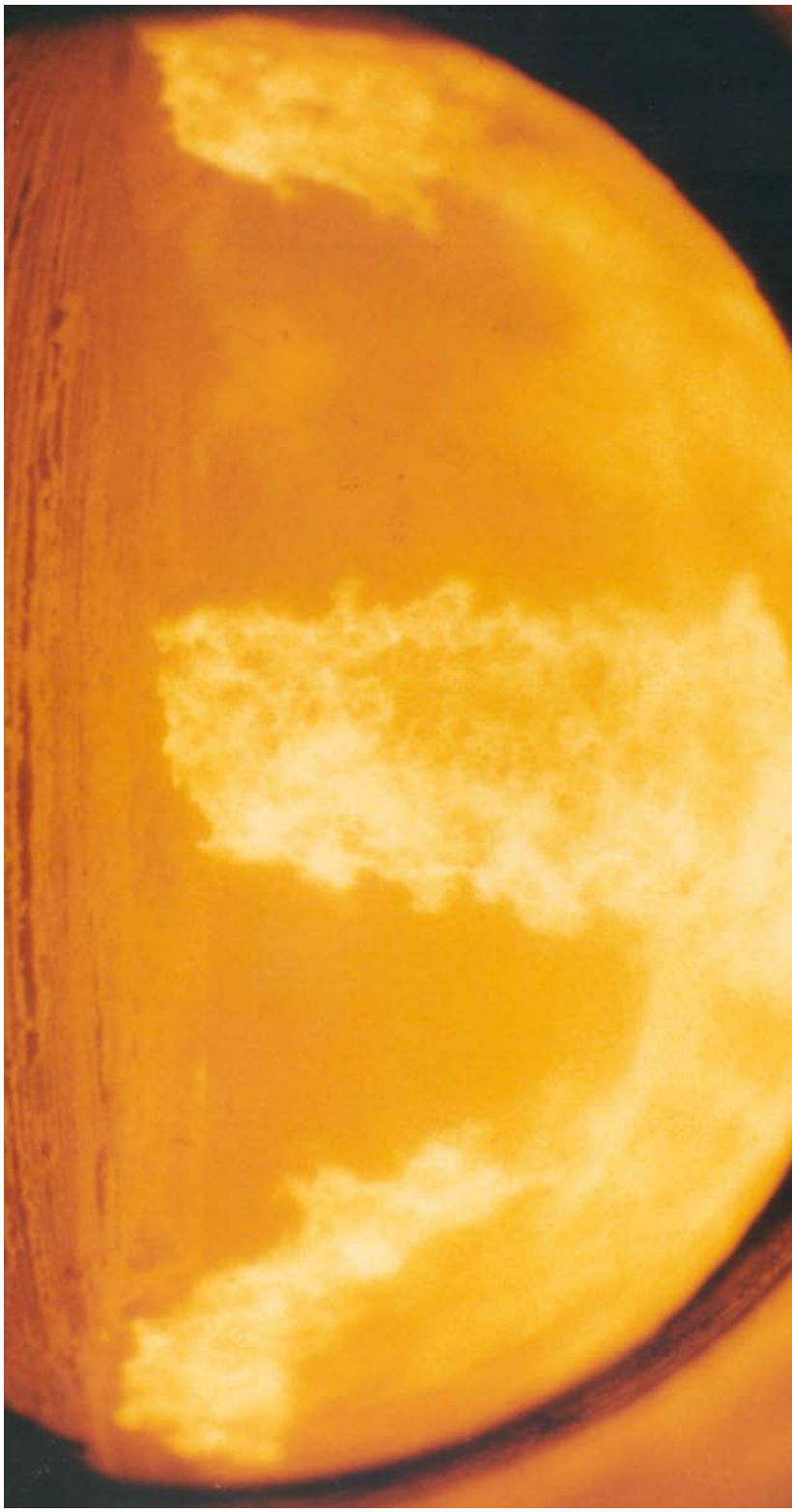

The optimal NO_x solution may involve the use of one or a combination of low NO_x burners, overfire air ports and post-combustion NO_x systems. Through extensive research and development, B&W continues to develop innovative improvements in ultra-low NO_x combustion technology.

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