



A standard valve rack with control panel is factory wired and tested to reduce installation time and cost. This valve rack can be conveniently located anywehre near the burner front.

MECHANICAL DESIGN FEATURES

1. Oil Atomizer Assembly

SST construction, produces a finer spray, reduces particulate and opacity emissions, minimizes atomizer plugging

2. PAI Spark Probe

High temperature extension with removable spark plug

3. Flame Detection Rod

Integral flame detection for igniter; high temperature extension with removable flame rod

4. Stationary Guide Tube

Stationary guide tube with stainless steel end mounts easily into the burner

5. Eddy Plate

Provides proper mixing of the combustion air and fuel for reliable ignition and flame stability

6. Seal/Aspirating Air Connection (pressure-fired units only)Seal air chamber allows removal of the spark and flame rods

7. Combustion/Cooling Air Inlet Supplies combustion/cooling air to the igniter

8. Spark and Flame Rod Connections

Flexible conduit connections allow removal of the flame and spark rods without electrical disconnects

Oil and Air Connections

Positive shut-off quick disconnects allow easy maintenance, while 1/4 in. oil and 3/8 in. air connections prevent accidental switching

B&W's system approach increases reliability, reduces opacity and maintenance

- Flexible application of PLC logic to meet your burner management system requirements
- Comprehensive analysis for customized control to meet your individual design and operational requirements
- Increased reliability
- Improved mixing of fuel and air to reduce opacity
- Elimination of moving parts allowing a near maintenance-free igniter
- Integral flame rod detector which senses only the igniter in any burner/boiler configuration

Control Features

- Programmable logic control (PLC) based
- Pre-wired, factory tested
- Pre-assembled valve rack allows simple pipe-in / pipe-out design
- · A151 B31.1 power piping code
- · Fail-safe closed valving
- Power requirement: 115 VAC, 50/60 Hz, 10 amps
- Factory Mutual approved with Sunspot flame detector
- Remote or local operation
- · NEMA 4 control cabinet

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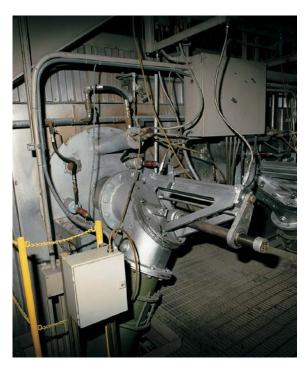
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Other B&W/FPS igniter and equipment solutions

- · Gas-only igniter
- · Dual fuel oil and gas igniter
- · Replacement for corner-fired horn igniters
- Flame scanners
- · Boiler/burner control systems



For more specific information on our igniter systems, please contact us at:

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