

# ***SOLUTIONS...Soot Blowers***

## **“Chesterton has the solution to Soot Blower Headaches!”**

Boiler efficiency is directly related to the performance of the soot blower system. This system is vital to keep soot and slag from building up inside the boiler and on the boiler tubes which lowers thermal efficiency. With today's fluctuating fuel costs, maintaining boiler efficiency is at the forefront of most utilities cost management programs. The majority of plants still utilize old packing/sealing technology which necessitates the use of scarce manpower to either constantly adjust or routinely replace the leaking seals.

### **The Chesterton Solution:**

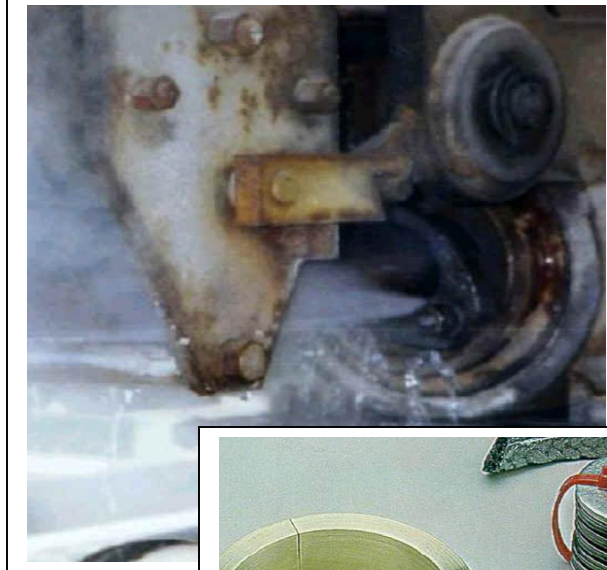
Chesterton has taken their advanced Valve Live Loading Technology used for sealing critical and problematic valves and adapted it to develop a high reliability solution for soot blowers. The system consists of specially formulated, high performance Style 5300 graphite sealing rings with Style 1600 anti-extrusion/wiping rings. The system also utilizes Live Loaded spring assemblies to eliminate the constant need for readjustments. This advanced technology solution significantly increases the operating life of problematic long lance tube retractable soot blowers.

With today's downsizing of maintenance departments, why waste valuable manpower resources addressing a chronic problem for which an effective and easily implemented solution exists.

### **Prepackaged retrofit kits are available for all the major soot blower manufactures**

At a Caribbean steam plant they were experiencing constant headaches with soot blowers. All of their 52 long lance tube retractable Soot blowers needed weekly attention of retightening and repacking on a monthly basis. After converting to Chesterton's live loading sealing solution the weekly need for retightening has been totally eliminated. In addition the sealing solution is now lasting well over a year without any leakage issues.

In addition, safety concerns regarding plant maintenance personnel making gland adjustments to steam leaks has been totally eliminated.



### **Soot Blower Challenges:**

- ❖ Excessive seal wear from long strokes.
- ❖ Outward radial forces.
- ❖ Extreme thermal shock and growth.
- ❖ Major support issues when lance is fully extended.

### **5700 Soot Blower Kits Provides:**

- ❖ Simple in-field retrofit
- ❖ Ability to resist fluctuations in gland load with Live Loading
- ❖ A load bearing bushing to prevent troublesome side loading
- ❖ Proven longer life and MTBF