

The porthole openings on retractable soot blowers are prone to leakage. At temperature, thermal expansion can increase the gap upwards of 1/4 inch. This problem is compounded over time as sliding wear can increase the gap between the soot blower lance and the port hole, allowing excessive leakage. With leakage comes *fly ash debris* around the boiler and *localized flue gas condensation corrosion*. While one soot blower port leaking may be minor, when multiplied by the number of soot blowers, the compounded hazards and damage can be significant.

This issue can be resolved very simply and at very low cost with Sealeze's Adaptive SB Brush Seal. The SB brush seals are configured in two 180° arcs that can be *quickly installed using the existing bolt holes while the unit is online*. The SB brush seal closes the gap while still allowing full motion of the soot blower lance. This is a simple, low cost solution to minimize leakage that can be utilized in any boiler that uses soot blowers.

*Sealeze's Adaptive SB Brush Seal can be applied to all soot blower manufacturers; Clyde Bergmann, Copes Vulcan, and Diamond Power*



The retractable soot blower port opening will often have a gap, ranging in size from 1/8 inch to 1/4 inch (sometimes larger) allowing leakage. That leakage results in housekeeping issues and localized corrosion.



The [Sealeze Adaptive SB Brush Seal](#) is an annular high temperature brush seal that closes the gap while allowing unrestricted motion of the lance tube, minimizing leakage, improving housekeeping and minimizing local flue gas condensation corrosion.