

LEAK SEEKER® INSTRUCTIONS AND USAGE CALCULATIONS

It is now possible to locate leaks in your baghouse system through the use of Midwesco's Leak Seeker® Detection Test. The procedure for this test is as follows:

- De-activate the cleaning mechanism.
- Locate an inlet point upstream of both the fan and the baghouse. You may have to weld a 3" or 4" pipe coupling onto an existing duct.
- Feed the Leak Seeker® powder into the system in an amount equal to one-half (½) pound per 1,000 square feet of filter cloth for new filter bags. If testing filter bags that have been in service, use one (1) pound per 1,000 square feet of cloth.
- Allow five (5) minutes for the Leak Seeker® powder to work its way through the system.
- Stop the fan.
- Enter the clean air side of the compartment being tested and shine the Leak Seeker® Light on all seal points. The illuminating Leak Seeker® powder will identify problem areas. If you operate a top entry pulse-jet baghouse, which exposes the clean air side to direct sunlight, the Leak Seeker® test should be run in the dark.
- After your inspection and subsequent repair work, you may need to re-test with a contrasting Leak Seeker® color to ensure that all leaks were repaired properly.

Detection results may be enhanced by shutting down the shaking or pulse cleaning mechanism for a short period before inserting the Leak Seeker® powder. This allows the dust cake to build-up, increasing the pressure between the dirty and clean air sides of the baghouse, allowing the Leak Seeker® powder to find the point of least resistance —leaks.

Please note that although Leak Seeker® powder is highly reflective and illuminating, it is not radioactive. It does not contain any inorganic phosphorus, lead, mercury, or heavy metals of any kind. A MSDS sheet is available upon request. Utilizing Midwesco's Leak Seeker® system as a part of your regular baghouse maintenance program can help avoid costly and unscheduled shutdowns

Calculations for Application

Bag Diameter (inches) x 3.1416 = Circumference

Circumference (inches) x Length (inches) = Inches² per Bag

Inches² ÷ 144 = Feet² per Bag

Feet² x Total Number of Bags = Total Feet²

Dirty Bags -Total Feet² x .001 = Pounds of Leak Seeker Required

Clean Bags-Total Feet² x .0005 = Pounds of Leak Seeker Required

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