

# LEAK DETECTION

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## Leak Detection Powder

### Description

Leak Detection Powder is fine fluorescent for use in fabric filter dust collection units. Once injected into the system, leak detection powder quickly and efficiently pinpoints any leaks, holes or tears in the dust collector (bags, cartridges, seams, cell plate, etc). Leak detection powder is also used to ensure proper installation of new filter bags or cartridges. Leak Detection Powder is non-hazardous and non-toxic.

increasing the pressure between the dirty and clean side of the bag, encouraging the Leak Detection Powder to find the points of least resistance – leaks.

Note: Although Leak Detection Powder is highly reflective, it is not radioactive. It does not contain any inorganic phosphorus, lead, mercury, or heavy metals of any kind.

### Leak Detection Test Procedure

Locate leaks in a dust collection system through the use of leak detection powder and light. The procedure for this test is as follows:

1. De-activate the cleaning mechanism.
2. 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.
3. Feed the powder into the system in an amount equal to 1 lb. Powder per 1,000 sq. ft. of cloth for dirty bags or ½ lb. Powder per 1,000 sq. ft. of cloth for clean bags.
4. Allow approximately 5 to 10 minutes for the powder to work its way through the system.
5. Stop the fan.
6. Enter the clean side of the compartment being tested and shine the leak detection light on all seal points. A phosphorescent glow will identify problem areas.

Detection results may be enhanced by shutting down the shaking or pulse cleaning mechanism for a short period before inserting the powder. This allows the dust cake to build up,