



New Filter Bag Start-Up Procedure For Reverse Gas/ Shaker Baghouses

To protect new filter bags in a reverse gas or shaker baghouse during initial start-up, it is important to season and control the rate of dust velocity impinging on the new bags during this critical period of filter bag life. This procedure outlines the method for accomplishing this under controlled conditions.

- If available, pre-heat the compartment using hopper heaters
- Immediately prior to start-up, inject a compatible pre-coat material into the compartment. This material helps accomplish two things:
 - Provides a porous layer of protective dust to the new bags
 - Absorbs moisture and acids that form as the compartment goes through the dew points
- Restrict the gas flow into the compartment by limiting the opening of the inlet or outlet damper for the first 24-48 hours. This restriction is intended to control the velocity of incoming gas/dust to a level at or near the design air-to-cloth ratio and allow a protective dust cake to safely develop. This flow restriction is typically achieved by limiting the damper opening to 20% of total.
- Reduce or stop the cleaning energy by eliminating the reverse gas or shaking function. Typically during the first 8-12 hours, just isolating the compartment (gravity cleaning) will reduce the dust level enough to maintain satisfactory differential pressure. Once cleaning energy is needed to control the pressure, it is recommended that initially a reduced amount of time is applied to prevent overcleaning of the accumulating dust cake. Note: This reduced cleaning also preserves the layer of protective pre-coat previously applied to the new bags.