

PreKote

Installation instructions

PreKote® or a conditioning agent should be introduced to a dust collection system upstream of both the fan and the baghouse. Welding a pipe coupling into the duct work of the baghouse is the best way to gain entry into the gas stream. In a negative pressure system (suction) hopper access ports may also be used.

The following procedure is recommended for a successful conditioning operation:

1. The balance position of the main inlet or outlet damper (blast gate) should be noted. This is important because the system should be returned to this flow balance when the conditioning process is complete. Remove the collector controls from automatic operating positions (including the cleaning mechanism).
2. Place the damper in a fully closed position prior to starting the fan.
3. After starting the fan, open the damper or blast gate to approximately one-half (50%) of the design air flow rate.
4. Allow the **PreKote®** or conditioning agent to enter the system. The material should not be "dumped" into a system. The rate of feed should simulate process dust and should not exceed the following for the rated air flow of the system.

Up to 25,000 CFM-feed @10 lbs/min. maximum

25,000 to 50,000 CFM-feed @ 25 lbs/min. maximum

50,000 to 75,000 CFM-feed @ 45 lbs/min. maximum

75,000 to 100,000 CFM-feed @ 60 lbs/min. maximum

100,000 to 200,000 CFM-feed @100 lbs/min. maximum

Over 200,000 CFM, the feed restriction is not a major factor but could be given at 200 lbs./min. and is not likely to be exceeded. Maintain this flow rate until the baghouse stabilizes in a range of 1"- 3" of differential pressure across the new filter bags.

5. Gradually open the damper or blast gate to the original position that gives designed air flow.
6. Check the air flow balance at the hoods and branches to insure proper air volumes and balance in the system.
7. Return the collector controls to normal operating positions.

If the differential pressure across the baghouse exceeds 4" W.C. for an intermittent operating baghouse design or 6" W.C. on a continuous operating design during this conditioning process, the cleaning mechanism of the baghouse should be activated.



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