PreKote®

Installation

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 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 42.400 m^3/h@ 4,5 kg/minute max
42.400 to 84.800 m^3/h @11,2 kg/minute max
84.800 to 127.500 m^3/h @20 kg/minute max
127.500 to 169.600 m^3/h @27 kg/minute max
169.600 to 340.000 m^3/h @45 kg/minute max

Over 340.000 m^3/h, the feed restriction is not a major factor but could be given at

90 kg./min. and is not likely to be exceeded. Maintain this flow rate until the baghouse stabilises in a range of 250 to 750 Pa. 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 their normal operating positions.

If the differential pressure across the baghouse ceeds 1000 Pa. for an intermittent operating baghouse design or 1500 on a continuous operating design during this conditioning process the cleaning mechanism of the baghouse should be activated.

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