



BAGHOUSE / DUST COLLECTOR MAINTENANCE GUIDE & CHECKLIST

To maximize dust collector performance, boost baghouse efficiency, and obtain the optimum life from the filter bags and other replaceable parts, the following inspection and maintenance guidelines may be a useful tool.

DAILY:

- ☐ Visually inspect dust collector for signs of abnormal operation
- ☐ Check the stack monitor (if applicable), or visually inspect for signs of dusting
- ☐ Check and record differential pressure (normal operation is 3" – 4" of water)
- ☐ Check the hopper discharge device for proper dust removal

WEEKLY:

- ☐ Visually inspect the bags for tears, holes, and to ensure they are seated properly
- ☐ Check cleaning sequence and determine that all valves seat properly
- ☐ Check fans and fan drive components for wear
- ☐ Inspect all hoses, connections, and air lines to the baghouse
- ☐ Monitor the dust collector discharge to ensure that the dust is being removed sufficiently
- ☐ Check all moving parts on discharge systems and screw conveyor bearings
- ☐ Blow out U-tube manometer, magnahelic, or Photohelic** gauge lines
- ☐ Listen to the cleaning cycle to ensure all valves are firing properly

MONTHLY:

- ☐ Visually inspect the bags for tears, holes, and to ensure they are seated properly
- ☐ Spot check bag tensioning on reverse air and shaker bags
- ☐ Check compressed air line filters
- ☐ Check damper operation, bypass and isolation
- ☐ Check the compressed air system, including filters, and water traps
- ☐ Inspect the timer board to ensure proper cleaning sequence
- ☐ Monitor the solenoid and pulse diaphragm valves to ensure proper firing
- ☐ Check drive assemblies on all fans, discharge valves, and screw conveyors
- ☐ Check fan for corrosion and blade wear
- ☐ Spot check bag installation condition
- ☐ Check all moving parts on shaker baghouses



QUARTERLY:

- ☐ Inspect all door gaskets and seals
- ☐ Confirm Baghouse inlet temperature is correct
- ☐ Perform thorough inspections of all filter bags and cages
- ☐ Spot check for bag leaks and holes with leak detection test
- ☐ Check ducts for dust build-up
- ☐ Observe damper valves for proper seating (if applicable)
- ☐ Calibrate opacity monitor (if required)

ANNUALLY:

- ☐ Inspect internal hoppers for wear
- ☐ Repair or replace high-wear parts on cleaning system
- ☐ Check all welds and bolts
- ☐ Inspect baghouse structure for corrosion
- ☐ Inspect the internal baffle plate (if applicable) for wear
- ☐ Consider third party bag test

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