

Alex Kaufmann Filtration Services

Industrial Dust Collector Preventive Maintenance Checklist
Quebec/Ontario on-site service · Remote technical support across Canada and the USA

Use this checklist as a practical starting point for baghouses, cartridge collectors, pulse jet systems, dry filtration, and wet filtration equipment. Always follow your equipment manual, internal safety procedures, lockout/tagout requirements, and applicable regulations.

Daily / Shift Checks

Check	What to record	Done
Differential pressure reading	Record current reading, normal operating range, and whether pressure is rising, falling, or unstable.	■
Visible dust at pickup points	Note machines, hoods, transfer points, or work areas where dust capture appears weak.	■
Outlet or clean-side dust	Look for visible emissions, dust around outlet areas, or dust where clean air should be present.	■
Hopper and discharge condition	Confirm dust is discharging and not backing up into the collector.	■
Fan or motor observations	Record unusual noise, vibration, heat, or signs the fan is not pulling normally.	■

Weekly / Monthly Checks

Check	What to record	Done
Filters, bags, or cartridges	Look for damage, plugging, poor seating, loose hardware, or signs of uneven loading.	■
Pulse cleaning system	Check pulse valves, solenoids, timer settings, compressed air pressure, and moisture in air lines.	■
Doors, gaskets, and seals	Inspect access doors, clean-side covers, clamps, and gaskets for leaks or poor sealing.	■
Ductwork and dampers	Check for damaged duct, closed dampers, plugged branches, or changes to machine connections.	■
Compressed air quality	Confirm adequate pressure, dry air, regulator condition, and no obvious leaks.	■

When A Problem Appears

Check	What to record	Done
High differential pressure	Collect pressure trend, filter age, dust type, pulse settings, air pressure, and recent process changes.	■
Not pulling enough air	Note which pickup points are weak, fan status, damper positions, duct condition, and filter pressure.	■
Dust escaping collector	Take photos/video of outlet dust, door leaks, clean-side dust, filter seating, and recent filter changes.	■
Repeat filter failures	Record filter type, install date, cleaning cycle, dust characteristics, and where failures occur.	■
Remote support package	Send system type, photos, short videos, readings, urgency, and whether local maintenance staff are on-site.	■

Support Notes

Readings, symptoms, recent maintenance, and photos/video to send

Next action / parts / inspection notes

Need help interpreting the checklist? Call 514-431-3701 or email akfiltrationservices@gmail.com. On-site support is focused on Quebec and Ontario; remote technical support is available across Canada and the USA.