

Company Name: _____

Maintenance Forms & Logs

Date: _____

Log ID: _____

Version: 1.0

Spray Booth Airflow And Filter Maintenance Log

1.0 Form Objective & Asset Scope

This maintenance log is designed to track the airflow performance and filter condition of industrial spray booths used for painting and coating operations. Proper airflow and filter integrity are critical for operator safety, coating quality, and compliance with NFPA 33 and local fire codes. This log supports preventive maintenance scheduling and documentation for insurance and regulatory audits.

2.0 Administrative & Asset Details

Date: _____

Technician Name: _____

Spray Booth ID / Asset Tag: _____

Booth Type (e.g., Crossdraft, Downdraft, Side-draft): _____

Hour Meter Reading (if applicable): _____

3.0 Inspection / Parameter Checklist

- ☐ Pass ☐ Fail - Verify exhaust fan is operational and free of excessive vibration or noise.
- ☐ Pass ☐ Fail - Measure and record static pressure across intake filters (inches w.c.).
- ☐ Pass ☐ Fail - Measure and record static pressure across exhaust filters (inches w.c.).
- ☐ Pass ☐ Fail - Inspect intake filter media for visible loading, tears, or bypass gaps.
- ☐ Pass ☐ Fail - Inspect exhaust filter media for overspray buildup, holes, or sagging.
- ☐ Pass ☐ Fail - Check airflow velocity at booth face opening (fpm) using an anemometer.
- ☐ Pass ☐ Fail - Verify airflow direction is inward across all open booth faces.
- ☐ Pass ☐ Fail - Inspect ductwork for visible leaks, corrosion, or debris accumulation.
- ☐ Pass ☐ Fail - Check fan belts for tension, wear, and alignment.
- ☐ Pass ☐ Fail - Verify that all booth doors and access panels seal properly when closed.
- ☐ Pass ☐ Fail - Inspect booth interior walls and floor for overspray buildup requiring cleaning.
- ☐ Pass ☐ Fail - Record ambient temperature and humidity inside the booth.

4.0 Deficiencies & Work Order Generation

Issue Description: _____

Location / Component Affected: _____

Parts Required (include part numbers if known): _____

Priority (Low / Medium / High / Critical): _____

Work Order Number (if generated): _____

5.0 Sign-off & Return to Operations

Maintenance Technician Signature: _____ Date: _____

Production Supervisor Review: _____ Date: _____

Date of Return to Service: _____ Date: _____

Regulatory Disclaimer: This maintenance log is a generic template. The end-user assumes all liability for validating all inspection parameters, PM frequencies, and tolerances against specific OEM machinery manuals before active shop floor deployment.