

Commercial Dryer Exhaust Cleaning



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Disclaimer


The following slide presentation is a series of tips on commercial dryer exhaust cleaning. This program is not intended to be a comprehensive program covering all aspects of this topic. All technicians are encouraged to read and follow all applicable standards, codes and regulations related to this topic.

- ✓ It is the responsibility of each individual contractor to follow local building codes and licensing requirements and to work safely in accordance with OSHA guidelines.
- ✓ It is the contractor's responsibility to take proper precautions on each project to prevent cross contamination. Always take the health and safety of the building occupants into consideration before you conduct any cleaning procedures.
- ✓ All of the following tips are only general tips. They do not cover every situation and it is your responsibility to adapt these tips to the individual system you are working on.
- ✓ The Instructor is not responsible in anyway for the work you perform after viewing this slide show. You are responsible for your own work.
- ✓ The views and opinions following are the instructors opinions and not necessarily the official position of the National Air Duct Cleaners Association.

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What We'll Learn

- Why this Service is Needed
- Who Needs this Service
- Who Do I Contact
- Mechanical System Components

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What We'll Learn

- Supplies you will need
- Equipment Needed
- Performing the Cleaning
- Completion of Work

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The Standard for the Assessment, Cleaning and Restoration of HVAC Systems



2013
NADCA
ACR
The Standard for the Assessment, Cleaning and Restoration of HVAC Systems
2013
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Why is this service needed?




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Why is this service needed?

- ✓ Potential FIRE Hazard
- ✓ Increase the efficiency of the dryers
- ✓ Longevity of the equipment
- ✓ Reduced energy consumption
- ✓ Reduced drying times
- ✓ Stops pre mature failure of dryer components



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Who Needs this Service?

- Hotels
- Hospitals
- Universities
- Commercial laundry
 - * Cintas, Aramark, etc
- Laundromats, Coin laundry
- Condominiums
- Apartment complexes
- Any place there is large amounts of laundry being done.





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Who Do I Contact?

- Facilities Managers
- Hotel Engineers
- Operations Managers
- Property Managers
- Fire Inspectors, Building Inspectors
- Laundromat Owners/Managers
- Commercial Management Companies



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What are the Components to be Cleaned?

- Main Trunk lines
- Branch lines
- Risers to roof
- Exhaust Fans
- Lint Catch System





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Supplies Needed to Perform this Service?

Proper PPE

- Respirators
- Cut resistant gloves
- Eye protection
- Tyvek suits
- Lock Out Tag Out



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Equipment Needed

- Portable HEPA vacuums
- Portable HEPA Collectors
- High Volume Compressor
- Air Whips, Brushes,
 - Duct cleaning tools
- Ladders, Scaffold etc.
- Hand tools, Scrapers etc.
- Power Tools, Drill/Driver, Metal Shears





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Things to Consider

- 24 hour Operations
- Confined spaces
- Cleaning of Lint Catch System
- Temperature of Environment





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Performing the Cleaning

- De energize Equipment (lock out, tag out)
- Containment of work areas & equipment
- Locate or create service openings
- Attach vacuum collection device (negative air)



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Performing the Cleaning – Source Removal

- Scrape, Wire brush
- Contact vacuum
- Rotating brush – silicone carbide preferred
- Agitate with whips and air pressure

Lint removed from 8 feet of ductwork and 2 elbows

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Completion of Work

- ✓ Cleaning Report
- ✓ Include a Certificate of Cleaning
- ✓ Photo Documentation

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Summary

- **Needed Service**
 - Semi to Annual Service
 - Many fire codes require it quarterly
 - A good source of repeat business
- **Contacts for Commercial Projects are the same**
 - Hotel Engineers
 - Facility Managers
- **Supplies needed, you already have**
- **Equipment needed, you already have**
- **Proper Knowledge is Key**