

MINI SPLIT SYSTEMS

A banner for the 2023 Fall Technical Conference. On the left is a circular logo with "TECHNICAL NADCA CONFERENCE" and a globe. Next to it is a silhouette of a cowboy on a bucking horse. To the right, the text reads: "2023 FALL TECHNICAL CONFERENCE", "SEPTEMBER 7-9, 2023 | GRAPEVINE, TEXAS", and "Embassy Suites by Hilton Grapevine DFW Airport North".

2023 FALL TECHNICAL CONFERENCE
SEPTEMBER 7-9, 2023 | GRAPEVINE, TEXAS
Embassy Suites by Hilton Grapevine DFW Airport North



Presenters



Robert Rizen

Robert Rizen is VP of GC Industrial. He has been involved with air conveyance cleaning since 1989 as well as full service restoration operations.

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Disclaimer

This presentation 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 any way for the work you perform after viewing this slide show. You are responsible for your own work.
- ✓ The views and opinions following are the instructor's opinions and not necessarily the official position of the National Air Duct Cleaners Association.



What We'll Learn

- What are Mini Split Systems
- Types of Systems
- Why Clean?
- Cleaning



Mini Split Systems

What are Ductless Split Systems?





Mini Split Systems

What are Ductless Split Systems?





Mini Split Systems

Ductless Wall Mount





Mini Split Systems

Ceiling Mount





Mini Split Systems

Ducted Mini Split





Mini Split Systems

Ceiling Mount Cassette





Mini Split Systems

Why Clean?

- They Get Dirty!
- Poor Filtration
- Petri Dish
- Opportunity



Mini Split Systems

Why Clean?





Mini Split Systems

Why Clean?





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Why Clean?





Mini Split Systems

Why Clean?





Mini Split Systems

Components for Cleaning?

- Filters
- Coils, Drain Pan, Pump
- Fan
- Entire Housing



Mini Split Systems

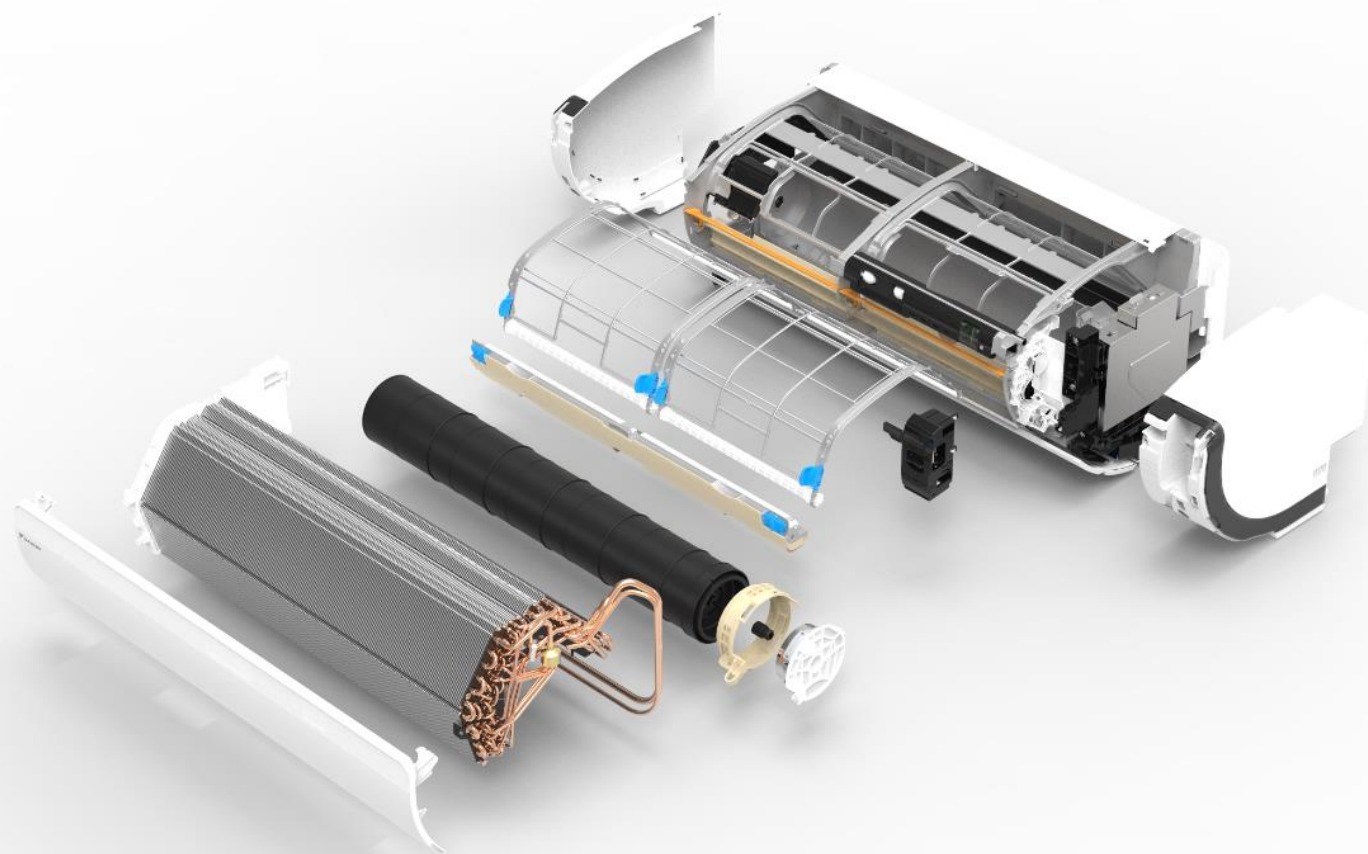
Options for Cleaning?





Mini Split Systems

Cleaning





Mini Split Systems

Cleaning

You may have to clean in place if the drain pan can't be removed.....

- Power washing of the coils, fan, drain pan and components takes place with the cover off and the unit assembled.
- Not as thorough as disassembly.
- Water may blow from fan a few minutes after starting.



Mini Split Systems

Cleaning





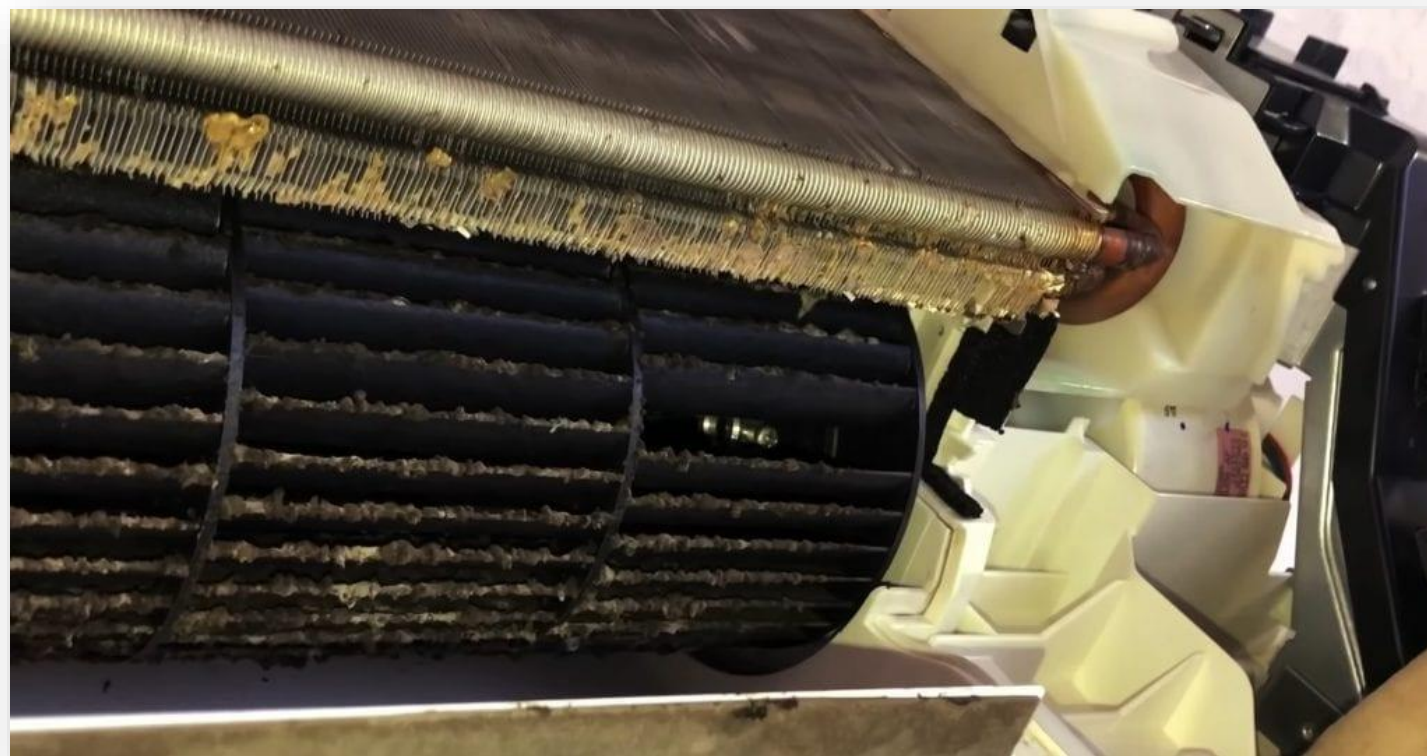
Mini Split Systems

Cleaning



Cleaning

If the drain pan unclips/screws and comes out, the fan should be removable.





Mini Split Systems

Cleaning





Mini Split Systems

Cleaning



Clean inside the system



Clean coils from the front



Clean fan blades and blower wheel



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Cleaning





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Cleaning





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Cleaning





Mini Split Systems

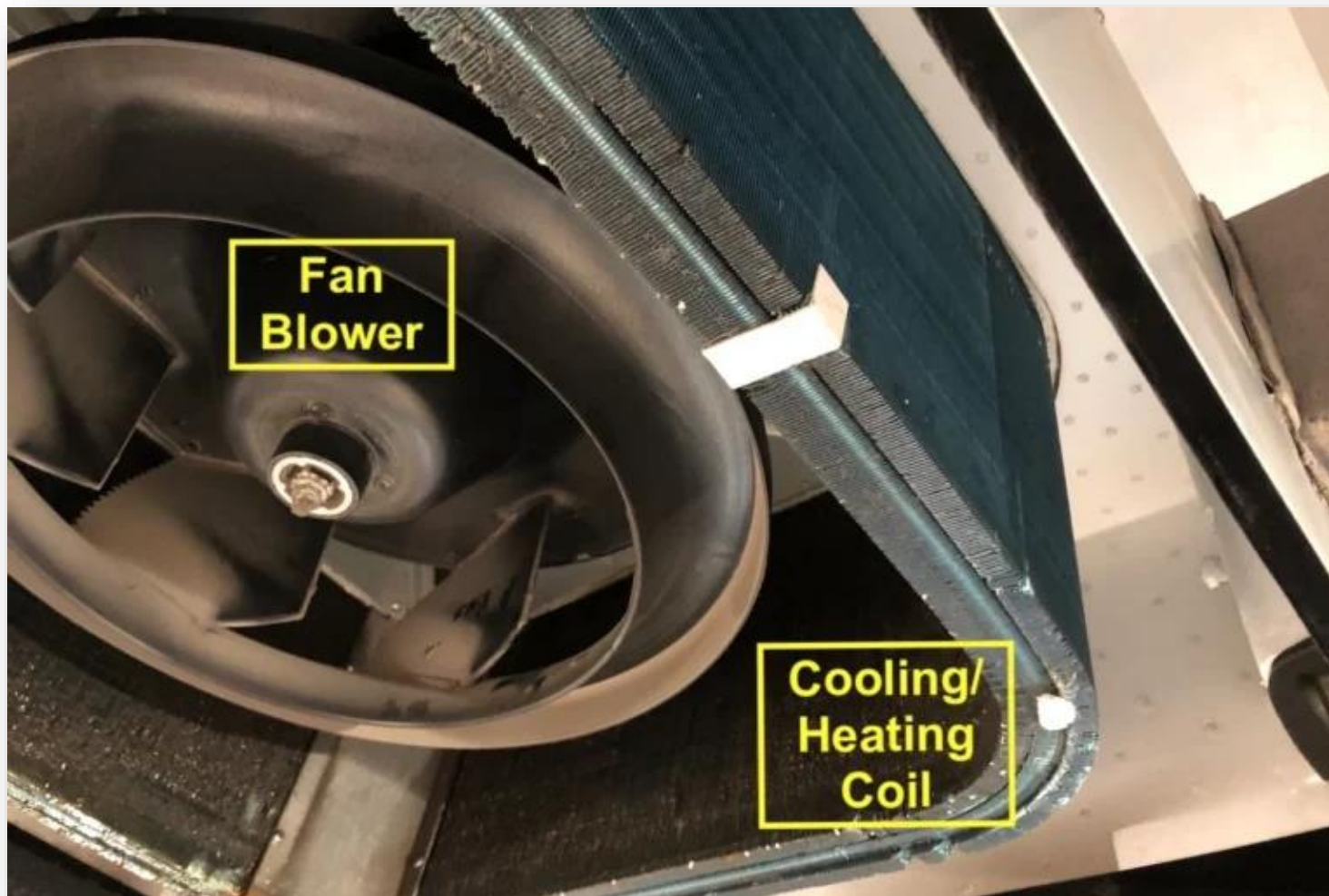
Cleaning





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Cleaning





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Cleaning





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Cleaning





Mini Split Systems

Opportunities!!!!

- hotels
- residential houses
- schools
- nursing homes
- commercial spaces
- HVAC contractors you work for now



Mini Split Systems

Conclusion

- Everything needs cleaning!!!!
- Tools you may currently own will do the job.
- Cleaning is the easy part – the real skill is disassembling and reassembling the unit.
- As many buildings switch to these units there is a growing need for cleaning.
- Easily gets impacted by dirt – poor filtration.



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Q&A

You have

Questions

We have

Answers



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Thank you
for
Participating!

