

**CLEANING FOR
HEALTH[®]**
with
ProTeam



Cleaning for Health
**includes
capturing
particles**
that impact indoor
air quality, many
of which are



**invisible
to the
naked eye**

Cleaning for Health with Vacuuming

High performance cleaning is important to improve the indoor air quality (IAQ) in a building. Studies have shown that cleaning, when consistently implemented, is cost effective and can help lead to measurable indoor environmental improvements. Cleaning is important to capture and remove dust and particulates to help improve the health and safety of a building's occupants.

As we look to clean what does that mean?

The **CDC** defines as:

CLEANER  Removal of adherent soil and other debris	SANITIZER  Agent that reduces the number of bacterial contaminants	DISINFECTANT  Usually a chemical agent that destroys pathogens or other harmful microorganisms
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Source: <https://www.cdc.gov/infectioncontrol/guidelines/disinfection/glossary.html>

Improve Cleaning Practices

Poor cleaning procedures, equipment and habits can inhibit the effective cleaning of buildings.

Workers thinking big need to

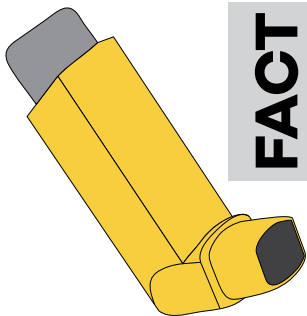
think small

when it comes to health and cleaning.

Cleaning experts believe cleaning for appearance removes “big” visible soil rather than cleaning for health that removes “small” invisible bacteria, dust and airborne particulates and other micro, bio- and chemical contaminants from the environment – largely the contributors to unhealthy air quality in indoor environments.



skin flake magnified

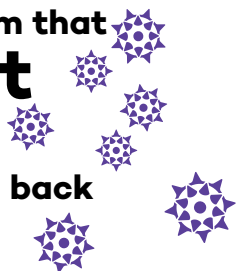


FACT

Approx. 13.8 million school days and 14.2 million workdays are missed each year due to asthma.

Source: <https://www.lung.org/lung-health-diseases/lung-disease-lookup/asthma/learn-about-asthma>

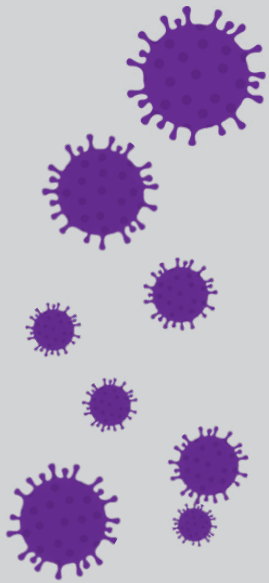
Cleaning for Health with a vacuum that **doesn't spew** fine particles back into the air



ProTeam backpack vacuums are certified by Carpet & Rug Institute and must pass test standards in three areas:

1. Soil removal
2. Dust Containment (IAQ protection)
3. Fiber Protection or Surface Appearance Change



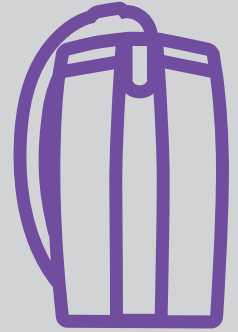


Indoor Air Quality (IAQ) Strategy

People can inhale particles 10 microns and smaller.

Housekeeping is probably the most common means of removing potential allergens, and vacuum cleaners are the most commonly used tool.

Vacuuming without proper filtration is one of the main causes of the reintroduction of allergens and harmful particles into the air.

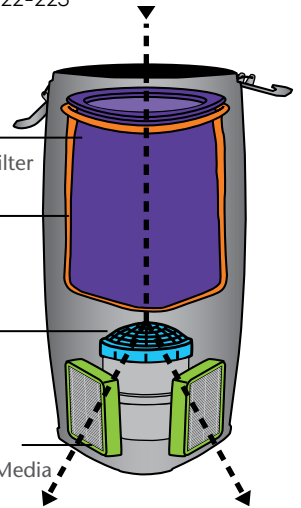


Source: "Indoor Allergens: Assessing and Controlling Adverse Health Effects", Educational Committee on the Health Effects of Indoor Allergens. Division of Health Promotion and Disease Prevention. National Academy of Sciences, Washington, D.C. pp 37-39, 86-117, 222-225

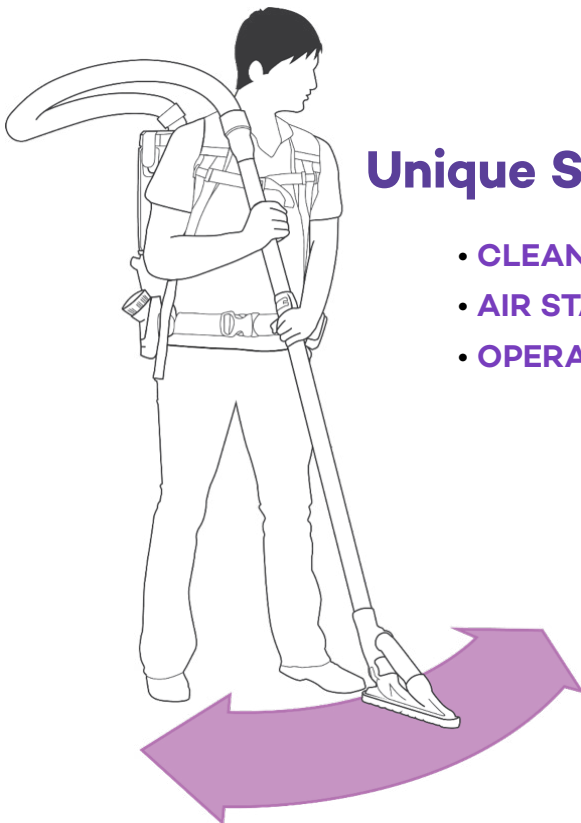
FACT

The ProTeam exclusive filtration system capture particulates and pollutants both visible and invisible that can harm health and trigger asthma or allergies.

- 1 Inner Filter
Intercept Micro® Filter
- 2 Outer Filter
Micro Cloth Filter
- 3 Dome Filter
Plastic cage with
Foam Filter Media
- 4 Post-Motor Filter
made from HEPA Media



--> Direction of Airflow



Unique Suction Cleaning Method from ProTeam

- **CLEANS CARPET & HARD SURFACES** without stirring up dust.
- **AIR STAYS CLEANER** reducing the need to dust as often.
- **OPERATORS CAN WORK** without breathing unhealthy air.

ProTeam
cordless
backpack
vacuums clean
5x faster
than commercial
uprights

ProTeam
backpack
vacuums
clean
52% faster
than a dust mop in
crowded classrooms
and congested areas

Dust
bunnies
reappear in
24 hrs
after dust mopping
compared to
72 hrs
w/ ProTeam
backpack
vacuum

Source: ISSA 612 Cleaning Time (www.issa.com) Used with permission.; Toxics Use Reduction Institute (TURI), University of Massachusetts Lowell, Nov. 2012

HIGH DUSTING

ProTeam vacuums are designed to have a high level of filtration and when a high dusting kit is added, many difficult above-the-floor cleaning solutions are made available to the end-users.

Extension Wands

Provide 10-12 feet of effective cleaning reach.



ProTeam is committed to **CLEANING FOR HEALTH**

The ProTeam commitment to high-quality manufacturing results in high-filtration vacuums that help triumph over the challenges of Cleaning for Health.

proteam.emerson.com/cleaning-for-health



The American Lung Association does not endorse product, device or service.

ProTeam is a proud partner of the American Lung Association. Together, we fight for clean indoor air so that we all can breathe easier.



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