



Sychem Case Study

Since 1983, Sychem Inc. has specialized in providing water treatment, heating, ventilation and air conditioning (HVAC) solutions in condominiums, hotels, apartments and commercial buildings in and around Toronto, Canada. Sychem employees take great pride in their knowledge of building systems, including the latest systems technology.

Challenges

Property managers in several buildings that Sychem services were asking about having their HVAC systems vacuumed. "We wanted to provide this service and do it in a way that was safe both for building residents and our staff," says Sychem Administrative Assistant Neda Nowtash.

Due to the COVID-19 pandemic, Sychem needed to use a safe vacuum to perform maintenance on their customers' HVAC systems. Sychem officials wanted to prevent the potential spread of viruses caused by vacuuming with products that don't provide TRUE HEPA or ULPA filtration.

Solution

In their quest for a safe vacuum, Sychem employees conducted online research on vacuums. During this research they learned about Omega HEPA and ULPA vacuums on the Atrix website. The Omega vacuums, which are manufactured in the USA, provide safety to the user as the hose connects directly to the filter allowing a completely closed system.

HEPA (H13) High Efficiency Particulate Air and ULPA (H14) Ultra Low Penetrating Air are efficiency standards for vacuum filters. True HEPA filters capture 99.97% of particles as small as 0.3 microns and ULPA filters capture 99.999% at 0.12 microns. For comparison, a human hair is around 50 microns. Many filters claim to be HEPA or ULPA, but don't be fooled as these filters haven't been tested or verified to meet the standards.

Unlike other vacuums of this caliber, there are no secondary or tertiary filters to change, keeping the user safe and eliminating cross contamination. The filter cartridges contain three layers of pleated filter media that is designed to hold large amounts of debris which reduces costs on supplies and labor.

Benefits

"Using the Atrix Omega ULPA Vacuum with the SafeGuard 360 ULPA (H14) Filtration Cartridge enables us to safely perform our maintenance service, including vacuuming HVAC systems as the debris is captured within the ULPA filter cartridge," says Nowtash. "The vacuum is very compact, but the feature that's most appealing to us about the Atrix Omega ULPA Vacuum is the fact that the fan system is inside the vacuum. The air drawn into the machine passes through the ULPA filter cartridge before being expelled, eliminating recirculation of potentially harmful dust and debris."



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Sychem technicians have implemented the Atrix Omega ULPA Vacuum into their maintenance service, using it to clean HVAC systems instead of their regular vacuums. The SafeGuard 360 ULPA (H14) Filter Cartridges are 99.999% efficient at capturing debris measuring 0.12 microns or larger.

The SafeGuard 360 filter cartridges enable safe, simple, and secure filter changeouts. The SafeGuard 360 filter protects indoor air quality and the user because the hose connects directly to the cartridge, providing a completely closed system.

"We've been able to provide the vacuuming part of our maintenance service to our customers without having any particles spill out, so it's safe to use during the pandemic. If we didn't have the Atrix vacuums with HEPA filters we wouldn't have done that portion of service," adds Nowtash. "We'll be using the Atrix HEPA vacuum for all our maintenance services until the pandemic is over."

For more information on Atrix products, visit www.atrrix.com



Sychem Case Study Participant:

Neda Nowtash, Administrative Assistant

Interviewer:

Breanna Miller, Assistant Marketing Manager, JAN/SAN Sales

Application:

HVAC system cleaning

Manufacturer Name:

Atrix

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