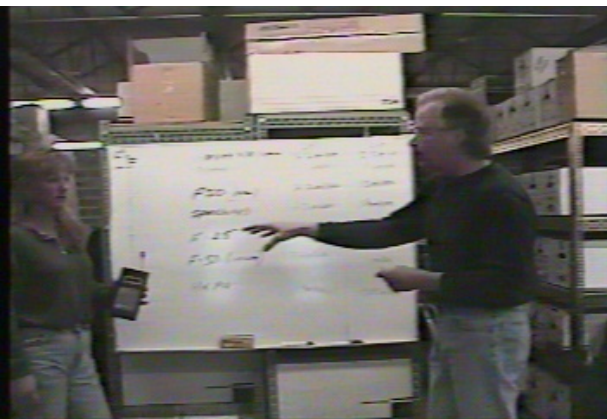


# Performance of Honeywell Electronic Air Cleaner amazes at Air-Rite

Members of the Honeywell Perfect Climate® marketing team recently met with Pat Manning, Residential Business Leader for Air-Rite Service, and Colleen Trzaska, head of their newly formed Indoor Air Quality Department, to look at their training and test laboratory equipment.

Air-Rite Service's shop is equipped with several furnaces installed with a variety of air cleaners. It features equipment to measure static pressure in the various systems, as well as their latest instrument, a particle counter, which measures the number of 0.3 microns and larger particles in the air. The particle counter, more than just a fun toy for the lab, plays an important role in customer demonstrations.

"We can now show homeowners how effective the electronic air cleaner is," Pat explains. "We let them see from this meter how effective electronic air cleaners are at cleaning the air and how the air quality in the home will be improved by using a good quality air filter."



**Colleen Trzaska and Pat Manning**



Air-Rite Service, located in Downers Grove, Illinois, has been a Chicagoland residential HVAC company since 1959. They install Honeywell humidifiers, forced air zoning systems, air cleaners, thermostats and ventilators.

The high point of their demonstration is affectionately called "The Nasty F50." The Nasty F50 is an air cleaner originally installed in 1982, that was recently replaced in a customer's home during a new system install.

"From the prefilter you can see they owned many cats. The cells are in pretty bad shape," said Colleen. "Space-Gard®<sup>1</sup> says that when the air cleaner gets dirty it's not as effective, but we're going to show you that's not so."

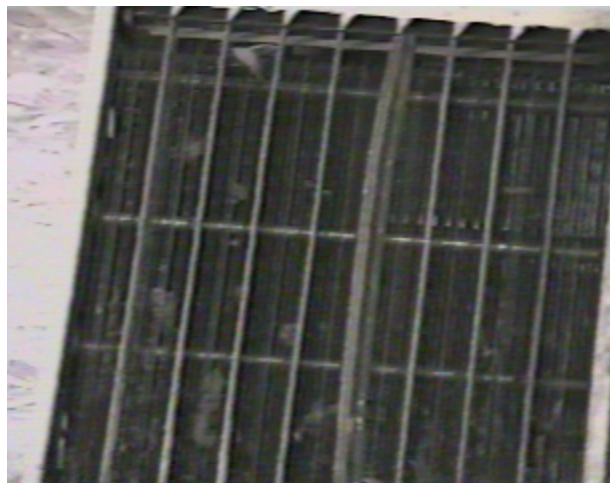
And show us they did. Data from the particle counter showed the "Nasty F50" provided the same, high-efficiency performance as a brand new F50. "This nasty, dirty air cleaner that's all clogged up with dirt actually works better than any of the other filters," added Colleen.

<sup>1</sup> Space-Gard is a registered trademark of Research Products Corporation.

Pat added, “What surprised us is how effective the F50s are at removing HEPA-sized, or 0.3 micron sized, particles. The 0.3 micron standard for the HEPAs was amazing to us, whether it was the new F50 and how it cut those particles down, or the nasty old F50 that was full of cat fur and dirt and everything else and it was still just as effective as a new one. That really just amazes us.”

Pat also discussed the importance of an air cleaner to proper operation of an HVAC system. A Honeywell electronic air cleaner gives an excellent performance without increasing static pressure or reducing airflow in the system. “Because of its low static pressure drop, we can install a Honeywell electronic air cleaner on duct systems that are approaching static pressure limits without overly affecting the airflow of the system,” he said. “That’s very important.

“If we sell an air filtering system it has to filter the air. It can’t harm the system by cutting air flow, which is going to cost you more to operate your system and maybe even cut the life of the system. The Honeywell electronic air cleaners do what they’re designed to do, without compromising the system.”



**EAC Cell from the “Nasty F50”**