

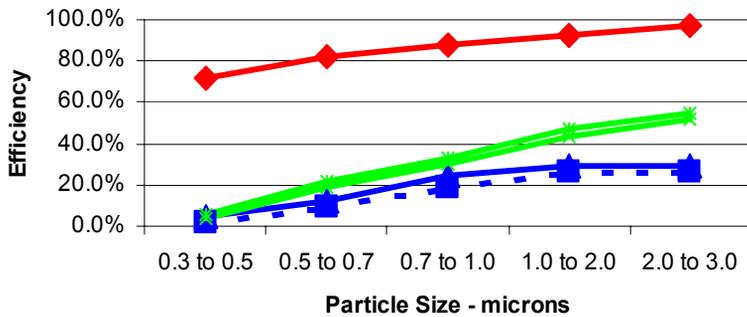
Honeywell Electronic Air Cleaner outclasses 24-volt “competition”

Performance of Honeywell Electronic Air Cleaner blows away Dynamic and Air Screen

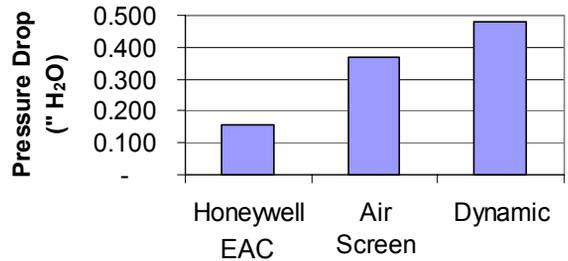
Several companies market so-called “1-inch electronic air cleaners.” (Dynamic and Air Screen (Climatec) are two examples.) A 1-inch electronic air cleaner attempts to use an electrostatic field to enhance the filtration efficiency of a basic media filter. A non-ionizing grid is sandwiched between filtration media, and the entire assembly is housed in grounded screens and a metal frame. The device is powered by a plug-in 24-volt transformer.

The companies claim that these devices are an effective substitute for a Honeywell Electronic Air Cleaner. Testing by independent laboratories disproves that claim. Here are the facts about 1-inch electronic air cleaners.

**Fractional Efficiency
16" x 25" (1400 cfm)**



**Initial Pressure Drop
16" x 25" (1400 cfm)**



Fractional efficiency and pressure drop tests on a sample of 16" x 25" air cleaners at a test airflow of 1400 cfm.

The Honeywell EAC clearly delivers far superior efficiency across all particle sizes tested.

Further, the testing confirmed that the 1" air cleaners' non-ionizing “charging” process has little or no effect in increasing filtration efficiency: *Whether the 1-inch air cleaner was turned on or off the performance was virtually the same.* The data also shows that any efficiency obtained by the low voltage electronic air cleaners comes at the expense of very high pressure drop - up to three times that of the Honeywell EAC.

The results are clear. Compared to these low-voltage electronic air cleaners, the Honeywell Electronic Air Cleaner is in a class by itself, providing excellent filtration performance with minimal pressure drop.