

# Electronic Air Cleaner Upgrade

**Prefilter Performance Comparison** – A popular brand of electronic air cleaner tested for performance with existing prefilter and then with Permatron electrostatic prefilter.

ASHRAE Standard 52.1-1992 (Test 11591/11592)	<b>Metal Mesh</b>	<b>Electrostatic</b>
Airflow Rate (cfm)	1200	1200
Initial Resistance (in. w.g.)	.07	.09
Final Resistance (in. w.g.)	1.0	1.0
Initial Atmospheric Dust Spot Efficiency (%)	76.9	86.5
Average Atmospheric Dust Spot Efficiency (%)	14	57
Average ASHRAE Dust Weight Arrestance (%)	76	96
ASHRAE Dust Holding Capacity (g)	251	143

## Activated Carbon Afterfilter

Resistance to air flow	.02 in w.g. ( 600 cfm)
	.07 in w.g. (1200 cfm)
	.10 in w.g. (1500 cfm)

**PERMATRON**<sup>®</sup>

Call 1-800-882-8012 for copy of original test