MODEL DYNAMO
1" ELECTRONIC AIR CLEANER

STANDARD SIZES (inches)
12 X 24    14 X 25    14 X 30
16 X 20    16 X 24    16 X 25
20 X 24    20 X 25    24 X 24

- ALL OTHER INDUSTRY SIZES
- CUSTOM, OVERSIZE, AND METRIC

ECO airflow
TEL: 1-877-347-3569
WWW.ECOAIRFLOW.COM
MODEL DYNAMO

1” ELECTRONIC AIR CLEANER

Superior Filtration

The Dynamo is our best 1” filter. It uses US and Canadian patented technology to trap airborne contaminants like dust (including dust mite feces, dander and all types of pollen). It also effectively traps other pollutants as small as .001 microns in size. Even the best pleated filters cannot do this. The Dynamo catches things like bacteria, viruses, smoke of all and most heavy metal particles including those created through radon decay processes (RDP).

Low Pressure Drop

A key concern for energy savings and protection of HVAC equipment is to make sure resistance to airflow is as low as it can be. The Dynamo was developed to achieve superior filtration using materials that inherently have low resistance to airflow. Expensive pleated filters achieve their filtration capability by using a tight weave which has a high resistance to airflow.

Simple Maintenance

Our patented, one-piece pad design makes it easy to change pads. Just open the filter, remove and discard the old pad and then drop in a new one. It’s that easy.

Saves Money

For homeowners currently using high performance pleated filters, it has been shown the average consumer will save the difference in costs for an ECOairflow Dynamo in less than 2 years. This is based on replacing pads or filters when the furnace manufacturers recommended maximum pressure drop level has been reached. After your payback period, the better air quality is free.

Radon Daughter Progeny

RDP poses serious health concerns. Recently, health professionals have begun to realize the scope of this issue. Radon is a radioactive gas found naturally in the environment. It is produced by the decay of uranium contained in soil and rock. When radon gas accumulates in enclosed or poorly ventilated spaces, it becomes dangerous. Concentrations of radon are usually highest in areas such as basements and crawl spaces because these areas are closest to the source of the gas and usually not well ventilated.

Radon progeny (RDP) in the air can be inhaled into the lungs, where they breakdown further and emit “alpha particles”. Alpha particles release small bursts of energy which are absorbed by nearby lung tissue. This results in lung cell death or damage. Damaged lung cells have the potential to result in a malignancy when cells subsequently divide to reproduce. Almost 1/3 of lung cancer deaths in the US and Canada are now attributed to radon exposure. The annual lung cancer death toll caused by exposure to radon is estimated at more than 20,000 annually. Radon is the 2nd leading cause of lung cancer, after smoking. There is now growing evidence that a considerable number of lung cancer deaths formerly attributed to smoking were actually caused by radon RDP.

ECOairflow technology has been proven, through recognized, certified third part testing to be capable of effectively filtering out radon progeny. Testing in multiple locations proved it to be capable of being a standalone solution for Radon RDP. It is now considered as a solution when active soil depressurization is not possible or is cost prohibitive. Only a radon professional can determine the optimal solution for mitigation in a given environment. Regardless of what solution is undertaken, it makes sense to install a Dynamo electronic air cleaner as part of an enhanced air quality solution for your home.

SPECSIFICATIONS

<table>
<thead>
<tr>
<th>PRESSURE DROP:</th>
<th>NOMINAL INPUT:</th>
<th>VOLTAGE RANGE:</th>
<th>CONSUMPTION:</th>
<th>APPARENT POWER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>.11 in wc @ 300fpm</td>
<td>24 Volts (floating)</td>
<td>24V min TO 30V max (floating)</td>
<td>2 Watts</td>
<td>1.5VA</td>
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