



# PROTECT HOME FROM AIRBORNE VIRUSES.

Due to emerging awareness of Coronavirus and other airborne pathogens, General Filters Inc. and Canadian General Filters Ltd. have composed the following information regarding the effectiveness of our Second Wind™ UV Air Purifiers against airborne infectious pathogens.



**Second Wind™ 2000  
UV Air Purifier (GFI #4919)**

**results in 53% degradation of Coronavirus in HVAC ducting in a single pass** (continued degradation on subsequent passes).



**Second Wind™ 2124-Z  
The Zephyr (GFI #4904)**

**results in 40% degradation of Coronavirus in HVAC ducting in a single pass** (continued degradation on subsequent passes).



**Second Wind™ 2414  
(GFI #4925)**

**results in 49% degradation of Coronavirus in HVAC ducting in a single pass** (continued degradation on subsequent passes).

All microscopic organisms require a specific UVC dosage for inactivation. UVC disinfection has been employed since the 1930's for surgical device purification and other applications. Second Wind™ Air Purification Systems provide improved air quality to address factors identified by the Center for Disease Control that contribute to your respiratory health. Second Wind™ Air Purifiers are installed in the home's HVAC unit and/or ductwork and are designed to disinfect the air as it circulates ("passes") through the ventilation system.

## Are test results available on Second Wind product performances against airborne viruses?

**Yes!** In 2013, Second Wind conducted an independent study with the Government of Canada and the University of Waterloo to test the effectiveness of our products against many airborne pathogens. The results of the testing are shown in the chart at right (NSERC ENGAGE Grant: EGP 433623-12). (Go to [www.generalfilters.com](http://www.generalfilters.com) or [cgfproducts.com](http://cgfproducts.com) for complete a copy of the study.)



Test results were used to determine the treatment efficiency for various pathogens using the effective UVC dose required for disinfection. **The performance of each system is based on a single pass through the ductwork used in the study.** Subsequent passes result in continued degradation of the remaining virus.



**Contractors:** To maintain the powerful effectiveness of Second Wind UV Air Purifiers against infectious airborne pathogens and viruses, lamps should be replaced according to the product's specification sheet.

2013 Test Results	Model 2000	Model 2124-Z	Model 2414
<b>E. COLI</b> Gastrointestinal infections	77%	62%	73%
<b>M. TUBERCULOSIS</b> Tuberculosis	62%	47%	57%
<b>P. AERUGINOSA</b> Pneumonia	69%	54%	64%
<b>S. AUREUS</b> Skin & respiratory infections	20%	14%	18%
<b>ADENOVIRUS</b> Upper respiratory infections	8%	5%	7%
<b>CORONAVIRUS</b> Colds, respiratory infections, pneumonia	53%	40%	49%
<b>INFLUENZA A</b> Influenza	21%	15%	19%

\* Testing was conducted in 2013; prior to the COVID-19 outbreak



DISCLAIMER: THE HEALTH ASPECTS ASSOCIATED WITH THE USE OF THIS PRODUCT AND ITS ABILITY TO AID IN DISINFECTION OF ENVIRONMENTAL AIR HAVE NOT BEEN INVESTIGATED BY ETL.

