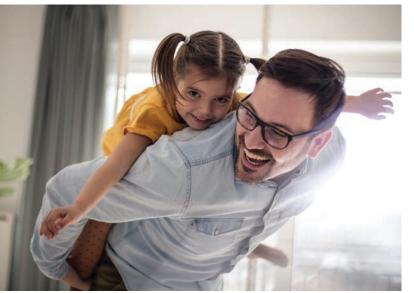


THE DAY & NIGHT AIR PURIFIER CAPTURES & KILLS® CORONAVIRUS¹ FROM FILTERED AIR TO HELP CREATE A HEALTHIER HOME

WHY HEALTHY HOMES MATTER

There's something in the air inside. In fact, the EPA has recognized that indoor air pollution is a very real problem and ranked it among the top environmental risks facing the general public.² Here's why:



DID YOU KNOW...?

- Americans spend an average of 90% of their time indoors where concentrations of some pollutants are often 2 to 5 times higher than outside air³
- People who are often most susceptible to the adverse effects of pollution – the very young, older adults, and people with cardiovascular or respiratory disease – tend to spend more time indoors³
- Current evidence suggests that SARS-CoV-2, the virus that causes COVID-19, is transmitted through the air⁴
- A home's layout, design, occupancy and HVAC (heating and cooling) system can impact potential airborne spread of the virus⁴

When you add it all up, healthier indoor air matters because your home can become an environment for exposure to airborne viruses, molds and other pathogens. That's why the CDC recommends several precautions for slowing the potential for virus transmission, including social distancing, face coverings, surface disinfecting, and hand washing.⁵ In addition, the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) recommends improving central air filtration to MERV 13 or higher to limit the transmission of viruses.⁶

Because you have to capture it before you can kill it, the Day & Night air purifier offers an outstanding MERV 15 measure of efficiency for residential air filters.⁷

WHY THE DAY & NIGHT AIR PURIFIER MATTERS

As part of a strategy for slowing the spread of infectious disease in your home, the Day & Night air purifier should be considered essential. Featuring our patented Captures & Kills technology, the Day & Night air purifier offers proven, third-party tested effectiveness with a 99% inactivation of select captured viruses and germs when used as instructed,¹ including:

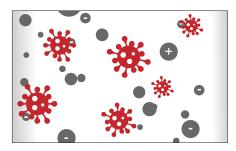
- Coronavirus
- Common cold surrogate
- Bacteria that causes strep throat
- Human influenza



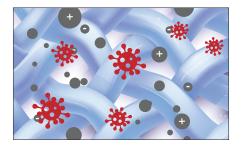


HERE'S HOW IT WORKS

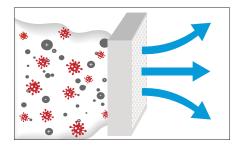
Our Day & Night air purifier treats the air flowing through the MERV 15 filter using a three-step, charge/capture/kill process:



Charge The purifier creates a "cloud" of electrically charged ions that attach themselves to airborne dust, pollen, viruses, germs and other particles as they pass through.



Capture The ionized particles are pulled toward an oppositely charged, pleated MERV 15 rated filter and captured at an extremely high rate, similar to how a magnet attracts metal shavings.⁷



Kill Captured airborne microbes remain on the pleated filter instead of recirculating back into the home and are subjected to an intense electric field. There, 99% of select viruses and bacteria are inactivated.¹

The Day & Night air purifier is designed to require minimal maintenance. Maintenance is limited to the replacement of the air purification cartridge and inspection/brush cleaning of the ionization array. The frequency of each will vary depending on ductwork design and local environmental conditions.

INDEPENDENT TESTING AT THE UNIVERSITY OF COLORADO

Our confidence with the performance of our Day & Night air purifier capturing and killing the coronavirus from filtered air¹ is based upon third-party testing at a university environmental engineering laboratory that specializes in disinfection science.

- $\boldsymbol{\cdot}$ Tests were conducted with a murine coronavirus that is closely related
- to the human coronavirus SARS-CoV-2, which causes COVID-19
- The murine pathogen surrogate allowed testing to be completed safely⁸

Controlled environment tests showed that the Day & Night air purifier inactivated 99% of coronavirus on its filter.

DEFENDING YOUR HOME TAKES A COMPREHENSIVE APPROACH

Viruses spread from infected individuals when they breathe, speak, sneeze or cough. The viral particles are contained in aerosols, the largest of which quickly settle on indoor surfaces, while the smaller ones can remain airborne.⁹ And while the SARS-CoV-2 virus itself is extremely small (about 0.1 microns in diameter),¹⁰ the larger respiratory droplets or aerosols that can transmit viruses are large enough to be captured when passing through enhanced air filtration.

Filtration technology does not prevent person-to-person or surface transmission; rather, it helps capture particles in the air when they flow through your HVAC system and make contact with the filter. That's why controlling airborne pathogens with Day & Night indoor air quality products like the air purifier makes sense. In addition, following CDC guidelines for personal hygiene and managing surface-based pathogens are important for a comprehensive defense strategy. This includes:

- Physical distancing both at home and when away
- Vigorous hand washing with soap and water for 20 seconds
- Cleaning and disinfecting "high-touch" household and personal items such as counter tops, door handles and cell phones

- ¹ The Day & Night air purifier has demonstrated effectiveness against the murine coronavirus, based on third-party testing (2020) showing a >99% inactivation, which is a virus similar to the human novel coronavirus (SARS-CoV-2) that causes COVID-19. Therefore, the Day & Night air purifier can be expected to be effective against SARS-CoV-2 when used in accordance with its directions for use. Third-party testing (2012, 2007) also shows ≥99% inactivation for the type of virus that causes common colds, Streptococcus pyogenes and human influenza. Airborne particles must flow through your HVAC system and be trapped by the MERV 15 Day & Night filter to be inactivated at 99%.
- ² https://www.epa.gov/iaq-schools/why-indoor-air-quality-important-schools
- ³ https://www.epa.gov/report-environment/indoor-air-quality
- ⁴ https://www.epa.gov/coronavirus/indoor-air-and-coronavirus-covid-19
- ⁵ https://www.cdc.gov/coronavirus/2019-ncov/community/guidance-business-response.html?CDC_AA_refVal=https%3A%2F%2F www.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fspecific-groups%2Fguidance-business-response.html
- ⁶ https://www.ashrae.org/file%20library/technical%20resources/ashrae%20journal/2020journaldocuments/72-74_ieq_schoen.pdf
- ⁷ MERV is a filter efficiency standard ranging from 1 to 16 (higher MERV = higher efficiency). The Day & Night air purifier achieves a MERV 15 rating based on third-party testing (2012) showing 95% of particles size 1.0 to 3.0 microns captured and 85% of particles size 0.3 to 1.0 microns captured.
- 8 https://aem.asm.org/content/aem/76/9/2712.full.pdf
- ⁹ https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7293495/

¹⁰ https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7224694/

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