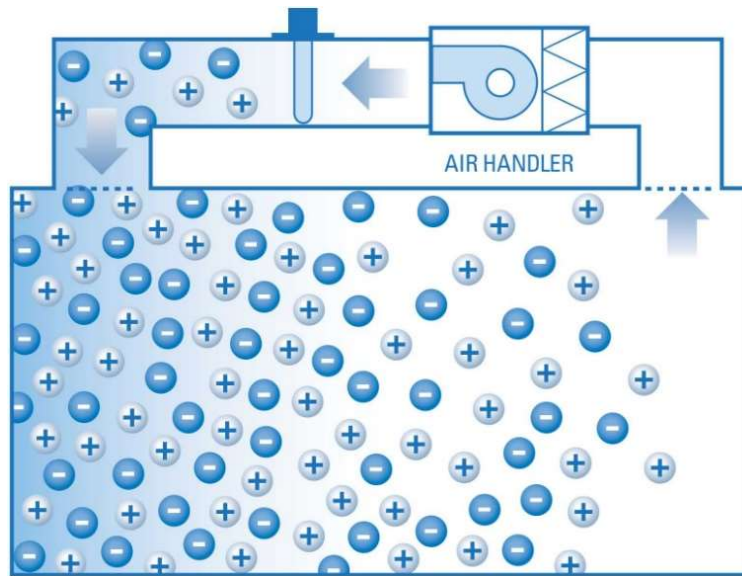




Efficacy of Ionization vs Airborne Pathogens

Aerisa's ionization products and technologies have been shown to have extremely high removal rates on a variety of pathogens found in the common breathing zone.



By actively going after the pathogens, once introduced, is more proactive and efficient than using other “line of sight” technologies such as carbon, UVC or chemical filters.

| Pathogen | Type | Removal Rate | 3 rd Party Testing Organization | Year Tested |
|---|-------------|--------------|---|-------------|
| MS2 Bacteriophage (Surrogate for SARS-CoV-2) | Virus | 99.9995% | Aerosol Research and Engineering Laboratories, USA | 2020 |
| Escherichia Coli | Bacteria | 99.43% | EMSL Analytical, USA & Istanbul University, Turkey | 2011 |
| MRSA | Bacteria | 99.47% | EMSL Analytical, USA | 2011 |
| Staphylococcus Aureus | Bacteria | 91.50% | EMSL Analytical, USA | 2011 |
| Pseudomonas Aeruginosa | Bacteria | 99.90% | Istanbul University, Turkey | 2011 |
| Influenza H1N1 | Virus | 86.60% | Kitasato research Center, Japan | 2011 |
| Candida Albicans | Mold/Fungus | 32.27% | EMSL Analytical, USA | 2011 |
| Aspergillus Niger | Mold/Fungus | 97.14% | EMSL Analytical, USA | 2011 |
| Dichobotrys Abundans | Mold/Fungus | 90.00% | Prof. Joseph F. Boatman, USA | 2006 |
| Penicillium | Mold/Fungus | 95.00% | Prof. Joseph F. Boatman, USA | 2006 |
| Cladosporium Cladosporioides | Mold/Fungus | 97.69% | EMSL Analytical, USA | 2011 |
| Bacillum Subtilis va Niger | Spore | 89.30% | Istanbul University, Turkey | 2011 |

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