



## HALO Air Filtration

Setting the Standard for Indoor Air Quality



**T**he health of young children is at risk with every breath taken in childhood centers around the country.

Early childhood should be a carefree time of healthy growth in mind and body but these crucial development years are being sabotaged by poor indoor air quality from a variety of sources.

***The good news is that healthy clean air is a solution Erlab has been providing for over 50 years.***



# Establishing the importance of effective air filtration in early childhood facilities

Young children and the adults who teach and care for them on a daily basis are being subjected to unseen, harmful effects of contaminated indoor air. There are far too many factors influencing the health of this population to be ignored.

**Young children** are the most susceptible and in need of protection from air pollutants like allergens, bacteria, viruses and mold.

- They breathe more rapidly than adults
- They absorb more pollutants, both from the air and from contaminated surfaces
- They are breathing closer to the ground where pollutants reach peak concentrations
- If a child has pre-existing conditions such as asthma or other respiratory issues their risk of illness due to airborne particles and contaminants increases substantially.
- They are more at risk as they breathe indoor air pollution for more than 8 hours each day at their care facility and may well be exposed to high pollution areas outdoors in metropolitan areas that come indoors through entries and HVAC circulation.



**Teachers and Staff** employed in EL facilities breathing contaminated air is likewise unhealthy and could lead to chronic health issues and absenteeism.



- Worsening of pre-existing conditions of Asthma, COPD, Lung Cancer, Allergens, viral infection spread headaches and migraines.
- Fear of taking contagions home and infecting family
- When adults breathe noticeably clean air in their work environment they are less prone to stress and better able to focus on the children in their care

Disinfecting surface and objects used and handled day to day by children does not address the circulation of bad air that continuously re-infects surfaces and pollutes the indoor air.

## What to look for - Air filtration that has been proven to effectively mitigate unhealthy air contaminants

**S**ifting through the myriad of options for air filtration systems available on the market today is a daunting task. It is difficult to know the difference between what is a 'new to market' ineffective product introduced to take advantage of the pandemic issues and what is a proven, real time tested solution. Experience is the differentiator. Putting your trust in a company that has set the standard for air filtration and indoor air quality for over 50 years is the logical choice.

**E**rlab doesn't add gimmicks to handle IAQ, rather we utilize what we have specialized in for over 50 years and that is tried and true filtration. The addition of the HALO air filtration system runs cost effectively 24/7 to mitigate pathogens, VOCs (Volatile Organic Compounds), dust, pollen, and mold spores with proven effectiveness in controlled and real world settings. Beware of any 'proven results' test data as many companies promote their success or effectiveness from only 'Laboratory Tests' or controlled environments therefore dramatically inflating the true effectiveness of the said product. Real-world testing is the only real measure



of effectiveness. Why? simply put, the product needs to be tested in the settings in which it will be applied. Real-world testing challenges the product in many different ways such as; active personnel, unpredictable air flow movements, temperature and humidity fluctuations and several other disruptions that could impact the products performance.

Another red flag is products promoting UV-C as a solution. UV-C relies on room air being mixed. When warm air enters a room via a duct close to the ceiling (which occurs more in cold or winter months), the warm air simply rests on the much cooler air below. It's efficacy is dramatically reduced as microbes will not 'move up' for exposure to UV-C. We also caution the use of any electronic air cleaner as there are many false claims on how these systems work. Most seem to good to be true from a cost perspective and the reason is revealed when you peel back the onion a bit. That said, there are instances when one technology can compliment the other which again goes back to applying technology where it was designed to be applied.



## How HALO is setting the standard in a sea of confusion

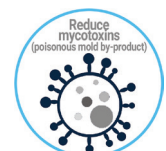
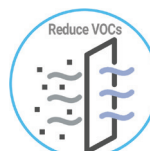
There is no question you have your choice when it comes to air purifiers and we know it has become an overwhelming task to know what to buy and what works. After all, every one of the units on the market claims 99.99% effectiveness. So what sets one apart from the others? Honesty, integrity, and ethical business sense, which is followed by performance and results that can be quantified.

**The benefits that set HALO apart from the unqualified, newcomer noise include:**

- Erlab never provides false HALO claims of efficiency, instead providing results driven data from real-time analysis of air quality before and after installation
- Testing performed in real-world unpredictable settings
- A company that has been delivering solutions to improve the air we breathe in the most challenging settings of laboratories across the globe for over 50 years
- Tailor your needs based on site assessments, not total sq'
- Filtration meets EN 1822 standards and AFNOR standards
- UL 507 & CSA C22 certified
- Ceiling mounted to ensure pollutants are drawn away from breathing zones working with our naturally generated thermal plumes
- Does not have additives of any kind and zero by-products generated
- Products are not developed based on trends, but rather scientific validity



The benefits of reducing particle loads and creating cleaner, healthier air include:





# The truest testament to the success and benefits of installing HALOs in your early childhood center are client recommendations.

A sample of HALO Recommendations from The Ark early childhood learning center owner, parents, and teachers

**O**wner, The Ark Early Childhood Center:

"We hoped that the HALO air filtration systems would help minimize the amount of illness in our buildings, reduce air pollution/contamination, and provide a cleaner environment. The HALO systems have completely blown us away in their effectiveness. The delivery and installation was flawless and parents and teachers could tell an immediate difference in air quality."



**P**arents:

"As a parent of a preschooler, I love that The Ark is putting such focus on keeping our kids safe and healthy."

"Everyone warns you that the first year in childcare, your kid will get sick a lot. I'm so happy to say that hasn't been my experience! My baby is happy and healthy!"

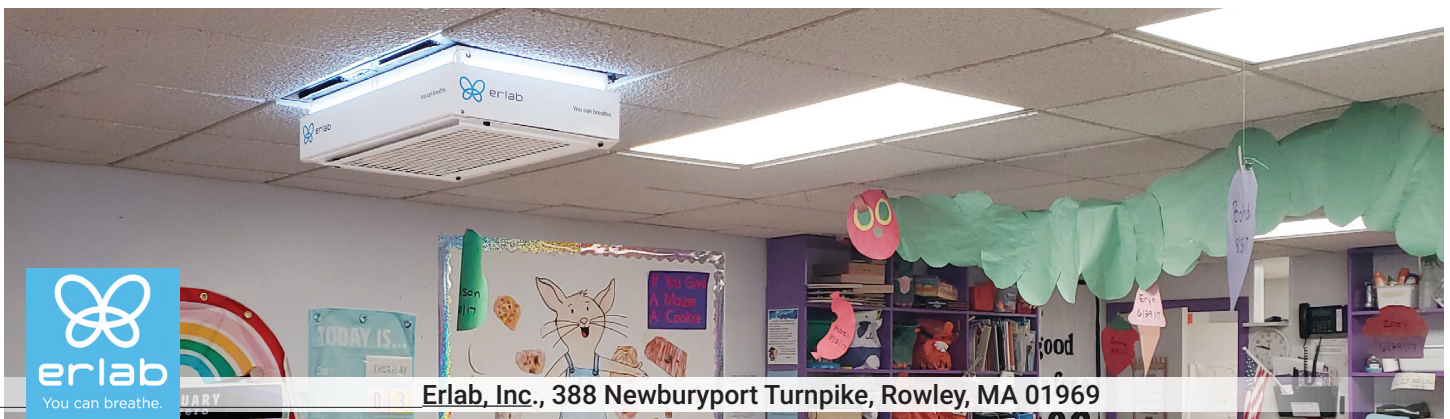
**T**eachers:

"Not only does my room not have the dreaded lingering diaper smell, but the HALOs also provide a soft back-light and white noise that helps my children nap better!"

*"I didn't know that you could literally smell clean air. I love to come into my classroom and just breathe better."*



For more information, to arrange a virtual demo, or speak with an air filtration safety expert call 1-800-964-4434, email [jcoiro@erlab.com](mailto:jcoiro@erlab.com), or [contact us online](#).



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