



# IMPROVE THE INDOOR AIR QUALITY IN YOUR K-12 SCHOOL



The quality of the air inside K-12 classrooms and other indoor spaces has never been a more critical issue. And the experts at Carrier are ready to help.

We'll help you evaluate—and if necessary upgrade—five essential aspects of your school's current HVAC system to make sure it delivers the high level of indoor air quality (IAQ) necessary to support key wellness initiatives.

## Five ways to improve your school's indoor air quality—without replacing your current HVAC system:

**1 INCREASE OUTDOOR AIR**

*Bringing in more fresh outside air to replace indoor air can help reduce airborne pathogens and other contaminants.*

**2 CONTROL HUMIDITY**

*Keeping indoor humidity within the ASHRAE 55 suggested range (40% and 60%) can minimize the effects of bacteria and allergens.*

**3 INSTALL UV LIGHTS**

*UV lights not only kill select pathogens—they keep coils clean, which reduces pressure drop and enables the installation of more sophisticated air filters.*

**4 ADD AGION® COATING**

*Agion anti-microbial coated steel has proven to be extremely effective at reducing and inhibiting microbial growth over a short time period—and makes equipment easier to clean.*

**5 IMPROVE FILTRATION**

*The higher the MERV rating, the more efficient the filter. ASHRAE recommends MERV 13 for K-12 schools whenever possible.*

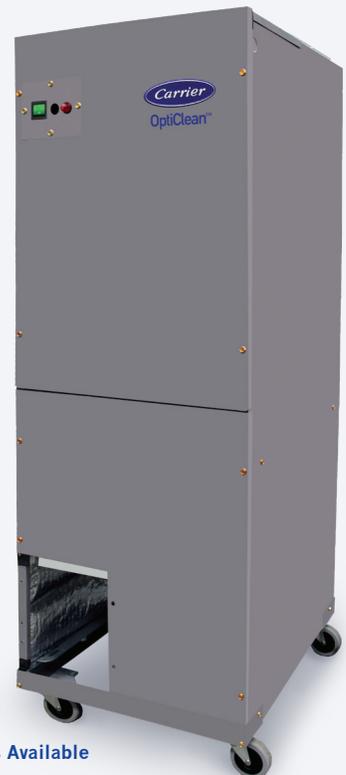
### SIMPLY AND EASILY INCREASE FILTRATION IN ANY ROOM

#### Carrier OptiClean™ Air Scrubber

HEPA filtration that's ready to roll into every classroom.

Designed for medical facilities, the Carrier OptiClean air scrubber is the fastest, most visible way to show your commitment to your students, teachers, and staff.

- **Rapid deployment**—just roll it in and plug the cord into any outlet
- **High-efficiency HEPA filtration**—99.97% efficient long-life (~40,000 hour) HEPA filter removes airborne particles as small as 0.3 microns
- **Portable, flexible, and easy to reconfigure**—ideal when requirements can change quickly and unpredictably; it moves easily from room to room, and can be operated vertically or horizontally
- **Supplements your existing system**—quickly reduces select airborne pathogens without replacing or modifying your installed HVAC equipment
- **Easy to specify**—for example, to get 6 air changes per hour in a room with a 10' ceiling, you'll need 1 CFM of scrubbing for every ft<sup>2</sup> of floor space (e.g., one 500 CFM scrubber for a 500 ft<sup>2</sup> classroom)
- **Exceeds ASHRAE's school reopening recommendation\*** that portable electric HEPA machines be introduced into each classroom and provide a minimum of two air changes per hour
- **Choose from two sizes**—500 and 1500 CFM

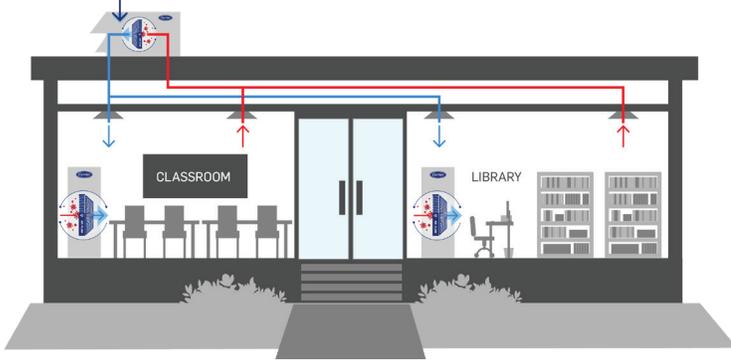


Stock Units Available

\*When properly specified

ASHRAE® is a registered service mark of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Your school's needs are unique. Our recommendations will be, too.



Think about the spaces in your school's building. The components and condition of your HVAC system. The budget you have to work with. And your schedule—your own and your school's.

No other school has quite the same requirements. But your local Carrier expert is ready to learn all about your school's unique requirements—and offer recommendations precisely tailored to meet them.

In the meantime, here are some ideas:

### Add More Outdoor Air

We'll recommend the quickest, most cost-effective ways to bring more fresh outside air into your school's HVAC system and indoor spaces—from simple tweaks and settings adjustments to adding new or retrofit equipment.

**One option:** Install an OEM or retrofit Economizer feature on your packaged rooftop unit(s), and enjoy the money-saving benefits of free cooling while introducing more fresh air into your learning spaces.



Light Commercial RTUs

### Control Humidity

Depending on your building design and location, you may need to add OR remove humidity to meet ASHRAE's guidelines.

**Possible recommendations:** If your school is in a hot, humid state, we may suggest our *Humidi-MiZer*® adaptive dehumidification system. If your school's air is too dry, we'll refer you to companies that specialize in humidifiers.



Light Commercial RTUs

### Install UV Lights

We'll suggest options for UV lights to keep your coils' surfaces clean.

### Fight microbes with Agion® Anti-Microbial Coating

If you need new equipment, we'll direct you to some that includes it. (Unfortunately, this coating can't be retrofitted to existing units). Learn more about *Agion* at [carrier.com/commercial](http://carrier.com/commercial).



Air Handling Units



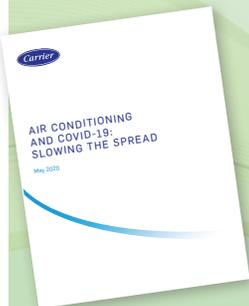
Light Commercial RTUs

### Improve Filtration

After evaluating your HVAC system, we'll recommend filters with the highest MERV rating your equipment can handle and help you select *OptiClean*™ units to supplement your existing system.

### A note on the CARES Act

New purchases of HVAC equipment and service may qualify for tax benefits under the CARES Act, and may also be eligible for state-specific contracts. Connect with your local Carrier expert for more information about the CARES Act, [state-specific contracts](#), and your HVAC system needs.



### Learn more about air conditioning and the coronavirus.

Read the Carrier white paper, "AIR CONDITIONING AND COVID-19: SLOWING THE SPREAD," at [carrier.com/commercial](http://carrier.com/commercial).

