

CASE STUDY

CLIENT: Centennial College
LOCATION: Toronto, Canada

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The Challenge

Centennial College in Toronto, Canada is the oldest publicly funded college in Ontario, and has a long history of serving its communities with more than 150 educational programs. As part of its offering, the college features a host of health sciences certificate and degree programs, as well as ten science laboratories for everything from paramedic studies and nursing to health simulations, pharmacy sciences and occupational/physical therapy.

Students in lab settings at Centennial College are required by law to be fitted with N95 respiratory masks, and the school uses a simple technique to determine if the masks fit properly. A staff member sprays a bitter aerosol called Bitrex into the air around the student wearing the mask. If the student tastes bitterness, the mask doesn't fit.

Unfortunately, over the course of several days of testing, the Bitrex spray lingers in the air. Then, all people coming into contact with the indoor environment tastes the same bitterness, leaving some people nauseous. Linda Ramage, the manager of health studies labs at the college, needed a way to permanently eliminate the effects of the spray.

The Solution

Ramage installed an AeraMax® Pro 3 unit with a stand in the mask fitting room. Since the unit features a sophisticated four-stage filtration system, trapping odors and virtually eliminating germs, viruses and allergens from indoor air, Ramage was assured the unit would solve the problem.

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As part of the filtration system, the air purifier has a standalone carbon filter that efficiently and effectively absorbs odors.complexity of the project, FRI knew they couldn't just bring in any manufacturer to help.

The Result

Ramage was surprised at how quickly the problem was solved. "Within two days, the particle distribution dropped and the 'aroma' disappeared," she said.

And, because the unit is portable, it can be moved to other targeted areas as needed to eliminate odors...which presented a different kind of problem. "Our mask fitter almost cried when she heard the AeraMax Professional unit might be relocated somewhere else," Ramage said with a laugh.

An added bonus: "The carbon filters are easy to change and they last a long time, which surprised us because with the system we had in the past, you're changing the filters more frequently," Ramage said.

"I'd absolutely recommend it. We have a fragrance-free environment in the college and the AeraMax Professional system goes a long way in eliminating various odors."

–Linda Ramage

*Manager of Health Studies Labs
Centennial College*