

stand alone air purifiers

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To: Steven Pressas <spressas@centennial.academy>

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Steven,

Thanks for reaching out this morning. Price Industries has their U.S. headquarters and manufacturing plant in Suwannee, Georgia. Price is a leading manufacturer of air distribution products, fan coils, terminal units, and silencers. They have a staff of full time engineers located at their facility in Suwannee and also at their headquarters in Winnipeg. In both locations they have extensive research and development laboratories where they design, develop, and test their products. They have developed a portable room air purifier that is designed to be used in high density areas like offices and classrooms. The basic unit consists of a direct drive fan with an EC motor for speed control, a MERV8 pre-filter, and a HEPA filter. As options they can add UV-C lights, bipolar ionization, or both to the unit.

One thing you need to keep in mind if you're looking at using UV-C lights is the intensity of the bulbs. There are a lot of manufacturer's that sell UV lights designed to kill mold and virus's. Most of these are designed to work on surfaces like a cooling coil where the virus is stationary and is exposed to the light for a period of time. Those types of lights will not work in this application. The lights have to be designed to have enough intensity to kill a virus as it moves through the field of light. The Price RAP's bulb is designed to have an approximate inactivation rate of 99% on the first pass at 300 CFM and 90% on the first pass at 600 CFM. Whatever product you go with you'll need to ensure the UV lights are sized to inactivate virus's in the moving air stream.

I've attached a brochure that highlights the product and shows some of the construction features. There is a video of a smoke test of the unit at <https://www.priceindustries.com/resources/videoplayer/3998>

The video shows two identical rooms with standard overhead mixing but one has a RAP working. Smoke is introduced to each and the video shows how the smoke is cleared.

I've also attached the operation manual for the product. On page 4 of the manual there's a chart that outlines the recommended CFM setting based on the room size and desired air changes per hour. There is additional information about the RAP on Price's web site at www.priceindustries.com.

The current lead time for these units is 4 - 6 weeks. We are stocking some in our Atlanta warehouse and may be able to provide some from our warehouse depending on how many and what type you're looking for.

Below is the current pricing:

With Filtration only:	\$1,565.00 each
With Filtration and UV-C:	\$1,742.00 each
With Filtration, UV-C, and Ionization:	\$1,979.00 each



As we discussed we have several of these unit operating in our office. We also have upper air UV lights installed and working. If you'd like to see the units up close and also learn more about the upper air UVGI we've employed we could set up an office visit.

Please let me know if you have any questions or need any additional information.

Thanks for your time.

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2 attachments

-  **Price RAP.pdf**
4080K
-  **rap-room-air-purifier-manual.pdf**
1015K