

**PHILIPS**

UV-C Air  
disinfection unit

Case study

# Adding a layer of protection with Philips UV-C air disinfection

Thanks to the simplicity and efficiency of this device, pupils and teachers can coexist responsibly, and with peace of mind.

Pomme D'Api School, Madrid, Spain

## Pomme D'Api School, Madrid, Spain

The Pomme D'Api School in Madrid was like many other educational institutions that had to adapt to the post-pandemic conditions and normalize new social realities. They were looking for a solution that, once face masks no longer needed to be worn, delivered peace of mind for pupils, parents and employees; without using complex processes or devices that could make life difficult for teachers or cleaners.



“Using the UV-C air disinfection devices delivers an additional layer of protection, and has enabled us to remove the wearing of face masks. In places where there are lots of people, similar measures should be taken.”

Sébastien Dumas. Teacher at Pomme D'Api School

## The customer's challenge

For an educational center such as Pomme D'Api, no longer having to wear face masks was a pivotal moment in adapting to the 'new normal'.

A school that has pupils ranging from ages 2-6 is a common place where viruses and other infections can spread. It's difficult to implement and maintain social distancing policies. The goal was to design a simple, yet effective system, that would ensure the stability of the school community, without disrupting classes, and that would be easy to use and maintain.



## Efficiency, profitability and sustainability

Schools have put under a lot of pressure during the COVID-19 crisis, and have had to adapt to the many different protocols implemented by the local authorities and administrations.

Pomme D'Api's management team was very concerned about the possible multiplication in coronavirus cases after pupils had been allowed to remove their face masks. They did not wish to go back to small groups or social distancing. Teachers, administrators, and parents of pupils at Pomme D'Api in Madrid breathed a huge sigh of relief when 2 Philips UV-C air disinfection units were installed. UV-C air disinfection was presented as a proven solution to reduce the risk of infection, as it provides intensive and effective disinfection that eliminates virus particles from the environment.

By drawing the air into the device, the UV-C system inactivates up to 95% of micro-organisms in 80 m<sup>3</sup> in just one hour<sup>1</sup>. To facilitate mobility and relocation to any place within the school, the device can be placed on wheels, so it can be used in multiple areas, such as classrooms, offices, corridors and gyms. In fact, the device is also suitable for stores, offices, hotels and many other spaces.



### Safety

Designed with safety in mind it can be used in rooms where people are present.



### Efficacy

Achieves 95% air disinfection in 80m<sup>3</sup> in 1 hour<sup>1</sup>.



### Intuitive and easy to maintain

No installation or permanent mounting is required, and the user interface is easy to use with a clear display, simple buttons and flexible options.



### Versatility and mobility

Because of its lightness and portability, it can be moved and used in multiple places depending on requirements.

(1) Henan Zhongke Lianchuang Test Service Co., Ltd Test conclusion: Philips UV-C Disinfection air unit (UVCA200) was operated for 60min and 120min respectively in the 80m<sup>3</sup> test chamber, and the killing rate of natural bacteria in the air was ≥95% in each test which met the requirement of WS/T648-2019 ((General hygienic requirement for air disinfecting machine))

