

AAF AstroPure 2000: New air purifier for commercial use completes Daikin's portfolio to reduce potential risks of SARS-CoV-2 transmission

Vienna, February 2021 – During the corona pandemic shops, offices, restaurants, hotels, schools and hospitals are more than ever asked to provide safe indoor environments. Daikin Central Europe now provides a new mobile air purifier by Daikin Group member American Air Filter (AAF) to commercial customers as additional device for better indoor air quality and the potential reduction of the risk of SARS-CoV-2 transmission: the AAF AstroPure 2000.

Fresh air supply through regular ventilation is an important measure against the spread of the coronavirus. The use of ventilation systems with appropriate filters and air purification technology further optimize indoor air quality and are considered as an effective alternative to fresh air intake by opening windows, which can be a challenge – especially in the cold season.

“As one of the few companies globally, Daikin delivers up to 90 % of the technical building equipment for better indoor air quality. Thereby, we offer solutions for every room and building size – no matter if we talk about retrofitting or new equipment. Since February 2021 we complete our comprehensive portfolio with the new air purifier AAF AstroPure 2000 for commercial environments such as schools, offices, hospitals, restaurants or shops in 15 of our Central European markets”, says Carl Lievens, Managing Director of Daikin Central Europe.

Ventilation for better air quality

During the coronavirus pandemic, ventilation became even more important. “Now it is not enough just to have a ventilation system introducing fresh air into buildings. It is also crucial that ventilation systems are designed adequately – introducing the correct amount of fresh air into the building while extracting the potentially contaminated indoor air out. But unless there is a proper ventilation system available, we recommend fresh air intake by opening windows supplemented by the use of



indoor air quality sensors and air purifiers to clean indoor air through recirculation, utilizing high efficiency filtration and Daikin's proven Flash Streamer technology", explains Mert Gönlüsen, Business Development Applied Systems at Daikin Central Europe.

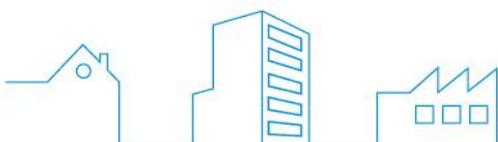
Today, many buildings are not equipped with ventilation systems and retrofitting of older systems can often be difficult: "Because of necessary adjustments to be done on the existing duct work design, this can be a complex and lengthy process, associated with high investment costs. In such cases, the new AAF AstroPure 2000 is an easy way of providing better indoor air quality", Mert Gönlüsen remarks. Nevertheless, opening windows, social distancing and the wearing of face masks are still very important measures against the direct risk of infection with SARS-CoV-2.

AAF AstroPure 2000 combines air purification with HEPA filter and germicidal UV radiation

The completely self-contained, stand-alone and mobile recirculation unit is a high efficiency filtration solution for areas where additional, extra high, filtration performance is needed. With an air flow rate of 2,000 m³/h the AstroPure 2000 air purifier is suitable for commercial or public areas up to 200 m². AstroPure 2000, which can also be used as a Negative Pressure Unit, combines state-of-the-art HEPA filtration with optionally available UV germicidal irradiation (UVGI) to create total clean air solutions fulfilling all relevant guidelines such as the VDI 6022*.

Some more AstroPure 2000 benefits:

- Whisper-quiet operation for indoor use
- Outdoor use with duct connection possible when properly sheltered
- Plug & Play design for easy installation
- Various filter combinations and vast choice of optional features for customer-specific requirements
- Easy maintenance through sliding tray design providing access and servicing of the fan and an instrument panel providing access and servicing of gauges and speed control



How Daikin's Flash Streamer technology works?

The patented Flash Streamer technology for better air quality was developed by Daikin in 2014 and is used in several air conditioning indoor units and air purifier models. The principle behind is the oxidative decomposition of odours and harmful substances: High-speed electrons hit viruses, mould, bacteria, allergens and hazardous chemical substances decomposing and fragmenting their surface proteins, which are then destroyed through oxidation. The streamer discharge then breaks them down into safe nitrogen and oxygen atoms and water molecules. A technology highly effective and suitable for use in individual homes (apartments or houses) as well as individual or open-plan offices.

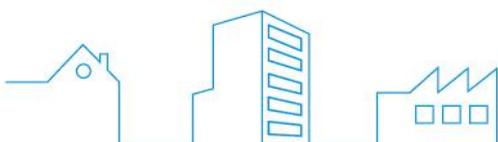
In relation to the potential effects on the coronavirus, a recent study by Daikin Industries Ltd. proved that the Flash Streamer technology inactivates 99.9% of the SARS-CoV-2 virus under laboratory conditions. The effects on devices equipped with the technology and effects in the actual operating environment may differ from the result.

For more information, please visit: www.daikin-ce.com/IAQ

Appendix: Product brochure AstroPure Commercial Air Purifiers

Glossary:

*VDI Verein Deutscher Ingenieure: VDI 6022 certification is awarded to ventilation products that have been manufactured to meet the hygienic standard for the application in hospitals, pharmaceutical industry, biological centers, etc.,
<https://www.vdi.de/richtlinien/unsere-richtlinien-highlights/vdi-6022>



About Daikin Airconditioning Central Europe

Daikin Airconditioning Central Europe was founded in 1999 with its headquarters in Vienna, Austria. The company's portfolio comprises products and solutions for heating, cooling, ventilation, air conditioning and refrigeration. More than 450 professionals are in charge of pre-sales, sales and after sales-services in 16 countries across Central and Eastern Europe in Austria, Czech Republic, Slovakia, Hungary, Romania, Bulgaria, Moldavia, Slovenia, Serbia, Croatia, Bosnia & Herzegovina, North Macedonia, Montenegro, Kosovo, Albania and Poland.

About Daikin Europe N.V.

Daikin Europe N.V., Daikin Central Europe's mother company, is a major European producer of air conditioners, heat pumps and refrigeration equipment, with approximately 10,000 people employed throughout Europe and 14 major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey, Austria and the UK. Globally, Daikin is renowned for its pioneering approach to product development and the unrivalled quality and versatility of its integrated solutions. With more than 90 years' experience in the design and manufacture of heating and cooling technologies, Daikin is a market leader in heat pump technology.

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