

Press release
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Miele launches production and sale of air purifiers as additional protection against Covid-19

- ▶ Miele AirControl filters the entire air in a room six times per hour
- ▶ Five-stage filtration captures 99.995% of all air-borne particles, viruses, bacteria and fungal spores – including thermal deactivation through ThermoControl
- ▶ Blanket service network for fast and skilled maintenance

Gütersloh, January 19, 2021. – Wherever many persons congregate in enclosed spaces, the risk of infection with Covid-19 is understandably particularly high. Consequently, frequent and thorough ventilation is vital in school classrooms, public buildings, surgeries, shops and offices – but is not always possible to a sufficient degree. This is where the new mobile AirControl air purifier from Miele has a contribution to make. This highly effective unit is specifically designed for use in businesses and public buildings. Production has started at Miele's Lehrte plant.

For many decades, Miele Professional has stood for dependable hygiene concepts in medical settings, hotels and restaurants by reprocessing medical instruments, washing dishes and providing a supply of clean laundry. Miele is now set to transfer this hygiene expertise to air purification: 'Clean air is a basic human need and will presumably soon become enshrined in hygiene standards – not just with respect to viruses and bacteria, but also including pollen and fine dust', says Dr. Christian Kluge, Director of the Professional business unit with the Miele Group. This applies quite generally, although levels of urgency have increased massively on account of Covid-19. 'In order to offer our clients a short-term solution, we opted for a cooperation in the case of this product', Kluge continues. The AirControl air purifiers from Miele deploy technology from the Elchingen-based filtration specialist UlmAIR, which both companies will continue to jointly develop.

A choice of three units enables rightsizing for rooms ranging from up to 45, 80 and 200 m² respectively, and can, depending on the application, be combined at will. With an air throughput capacity of up to 3000 m³ of air per hour (depending on the model), the entire air in a room can be displaced and filtered six times per hour. A Class G4 pre-filter and a fine filter retain larger air-borne particles. Downstream, a HEPA high-performance H14 particulate filter captures even the tiniest of particles with the result that more than 99.995% of all air-borne particles, viruses, bacteria and fungal spores are rendered inactive. That such a combination is able to provide effective prevention against the Covid-19 virus is confirmed by a study published on September 22, 2020 by the University of the German Armed Forces in

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Miele & Cie. KG
Public Relations

Postal address
P.O.B.
33325 Gütersloh
Germany

Phone
+49 5241 89-1953
Fax
+49 5241 89-1950

www.miele-professional.com
presse@miele.de

Munich in September 2020. Quote: 'Scientific research [...] has revealed that air purifiers and decontamination systems with a volume flow rate per hour which is at least equal to six times the volume of the respective room combined with highly effective Class H14 filters represent a meaningful technical solution in significantly reducing the indirect risk of infection through aerosols in classrooms'.

On the Miele models, thermal deactivation of pathogens (Miele ThermoControl) in the relevant areas is activated automatically: This heats the air passing through the HEPA filter to approx. 70°C, which also prevents any buildup of moisture. This innovative concept is rounded off by an active charcoal filter and an air discharge filter. Unpleasant odours are therefore also a thing of the past.

Continuous automatic monitoring of CO₂ levels

An integrated sensor monitors the need for ventilation by continuously measuring the CO₂ content of the room air. The concentration is indicated in the display. In automatic mode, Miele AirControl increases air throughput in response to the potentially increased presence of particles transporting viruses.

The three Miele AirControl versions each require only a small installation footprint: The mid-range model, for example, with a height of 127 cm requires only 50 by 50 cm of floor space. Thanks to integrated castors, units can easily be relocated and used wherever a wall socket is available.

During the technical design process, particular attention was paid to applications in semi-public spaces, for example in regard to a secure stand and protection against manipulation. Similarly, Miele has also taken the demanding requirements of commercial users on board with respect to ruggedness and product durability. A blanket network of Miele in-house service technicians and authorised service agents ensures the fast and proficient maintenance of Miele Air Control units.

All products are available from specialist retailers and the Miele Professional webshop. The starting price of Miele AirControl is € 2790 (list price). Leasing terms are also possible as an alternative to an outright purchase. Monthly leasing rates for the smallest model start at around € 50 (excluding sales tax).

At its Lehrte plant employing 364, Miele has been producing commercial washing machines since 1965 and domestic ironing systems since 2014. In order to ensure short delivery times in the face of high demand, production of the new air purifiers there has been set up in record time on flexible production and assembly lines. Christian Kluge: 'With AirControl, we

aim to make an effective contribution towards greater health and safety – following the best filter technology recommendations and combining this with Miele’s proverbial standard of service’.

Media contact:

Anke Schläger

Phone: +49 5241 89-1949

Email: anke.schlaeger@miele.com

Company profile: Miele is the world’s leading manufacturer of premium domestic appliances including cooking, baking and steam-cooking appliances, refrigeration products, coffee makers, dishwashers and laundry and floor care products. Their product portfolio also includes dishwashers, washing machines and tumble dryers for commercial use as well as washer-disinfectors and sterilisers for use in medical and laboratory applications (Miele Professional). Founded in 1899, the company has eight production plants in Germany, one each in Austria, the Czech Republic, China, Romania and Poland as well as two production plants belonging to its Italian medical technology subsidiary Steelco. Sales in the 2020 business year amounted to around € 4.5 bn (thereof 29.5% in Germany). Miele is represented with its own sales subsidiaries and via importers in almost 100 countries/regions. Throughout the world, the family-run enterprise, now in its fourth generation, employs a workforce of around 20,900, of which approx. 11,050 employees work in Germany. The company has its headquarters in Gütersloh in Westphalia.

There are three photographs with this text



Photo 1: Ensures a good room microclimate and reduces the risk of infection from viruses in schools and nurseries: One of three new Miele AirControl air purifiers. (Photo: Miele)



Photo 2: Requires only a small installation footprint: A Miele AirControl air purifier proves its worth where windows cannot be opened for ventilation. (Photo: Miele)



Photo 3: Five filters on the Miele AirControl unit ensure reliable air circulation and filtration. The heart and soul of the unit is a high-performance HEPA H14 filter which removes more than 99.995% of all particulates, viruses, bacteria and fungal spores. Thermal deactivation of relevant pathogens (Miele ThermoControl) sets in automatically after each operation. After each period of operation, the thermal deactivation of pathogens in the relevant areas is started automatically. During this phase, air passing through the HEPA filter is heated to approx. 70°C. (Photo: Miele)

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