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Eurovent publishes two new air filter Recommendations

Brussels, 24 January 2023. The Eurovent Product Group 'Air Filters' (PG-FIL) has released its new Recommendations 4/24 Energy consumption evaluation of air filters for general ventilation purposes and 4/25 Energy consumption evaluation of air filters for general ventilation in NRVUs in the context of Ecodesign.

The purpose of the Recommendation 4/24 is to provide a generic methodology for estimating energy consumption of air filters for general ventilation under actual operating conditions, taking into consideration wide range of airflow rate, actual filter dimensions, approach to the filter change (condition based and time-based method), actual operating time and actual fan efficiency. The document is built on the methodology defined in Eurovent 4/21 and implements the ISO 16890 classification, as well as its testing methods. The Recommendation 4/24, together with Eurovent 4/21 and Eurovent 4/25, forms a set of Eurovent documents for evaluation of energy consumption and energy efficiency of air filters.

The differences between the scope of respective Recommendations are the following:

- Eurovent 4/21 is an integral recommendation for energy rating and filter performance comparison at standard reference conditions as a basis for the certification programme
- Eurovent 4/25 is a simplified version of this recommendation to propose a consistent evaluation of energy consumption of air filters in the revised Regulation (EU) 1253/2014

Marc Schmidt, Chairman of the Eurovent PG-FIL, stated: "In an excellent team effort of the Eurovent Product Group 'Air Filters', the proven Recommendation 4/21 was adapted to new requirements and aspects. I am certain that these Eurovent Recommendations for assessing the energy consumption of air filters will be useful guidelines in the HVAC industry and will be widely used. As Chairman of the Eurovent PG-FIL, I would like to express my gratitude to all members who have contributed to their development."

The Recommendations are addressed to all HVAC professionals dealing with ventilation systems, particularly designers, facility managers and manufacturers of equipment incorporating air filters. The documents were published by Eurovent and were prepared in a joint effort by participants of the Product Group 'Air Filters' (PG-FIL), which represents a vast majority of manufacturers of these products active on the EMEA market. They can be downloaded free of charge in the Eurovent Document Library:

- [Eurovent 4/24: Energy consumption evaluation of air filters for general ventilation purposes](#)
- [Eurovent 4/25: Energy consumption evaluation of air filters for general ventilation in NRVUs in the context of Ecodesign requirements](#)

Related documents and links

All related documents and files can be found in the respective sections in the right sidebar.

- Eurovent logo files
- Press images
- PDF version of the Recommendation

- PDF version of the Press Release

About Eurovent

Eurovent is Europe's Industry Association for Indoor Climate (HVAC), Process Cooling, and Food Cold Chain Technologies. Its members from throughout Europe represent more than 1.000 organisations, the majority small and medium-sized manufacturers. Based on objective and verifiable data, these account for a combined annual turnover of more than 30bn EUR, employing around 150.000 people within the association's geographic area. This makes Eurovent one of the largest cross-regional industry committees of its kind. The organisation's activities are based on highly valued democratic decision-making principles, ensuring a level playing field for the entire industry independent from organisation sizes or membership fees.

Our Member Associations

Our Member Associations are major national sector associations from Europe that represent manufacturers in the area of Indoor Climate (HVAC), Process Cooling, Food Cold Chain, and Industrial Ventilation technologies.

The more than 1.000 manufacturers within our network (Eurovent 'Affiliated Manufacturers' and 'Corresponding Members') are represented in Eurovent activities in a democratic and transparent manner.

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