



Preventive Fire  
Protection  
For HVAC Air  
Filters

# Preventive fire protection

## Ensure safety with air filters from

# MANN+HUMMEL



### INDUSTRY STANDARDS - FIRE PREVENTION IN BUILDINGS

#### EN 15423

Ventilation of buildings – fire protection of ventilation systems

#### VDI 3803-4

Air conditioning requirements for air filter systems. Class E according to EN 13501

#### EN 13501

Classification of construction products according to their behavior in fire. Air filters must be tested according to EN 13501, class E.

#### EN ISO 11925-2

Tests the fire behavior of building products; flammability and flaming

### THE ROLE OF AIR FILTERS IN PREVENTIVE FIRE PROTECTION

Whether it is to reduce the risk of injury, property damage or loss of business, preventive fire protection is extremely important for all building owners. Every aspect of a building and its construction must comply with the relevant building regulations and provide safety to occupants.

Air filters – as dry textiles often loaded with dust – are a potential flashpoint that is easy to overlook. That's why, at European level, air filters for air conditioning systems in buildings must be tested in accordance with EN 13501 and meet class E (normally flammable building materials). Only air filters conforming to this standard may be installed in air conditioning systems in buildings.

### PLAY IT SAFE WITH AIR FILTERS FROM MANN+HUMMEL

MANN+HUMMEL air filters conform fully with EN 13501 class E. External fire protection testing has proven that neither the individual components nor our complete filters increase the fire load of a building. Our filters excel with fire-resistant protective properties such as:

- Not easy to ignite
- No flaming droplets
- Extensive incinerability

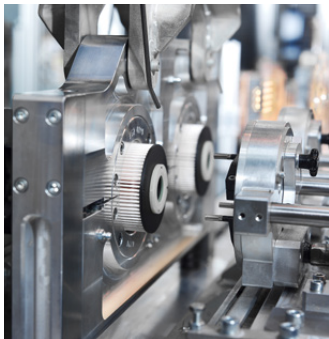
The first two properties concern the intended use, while the third requirement relates to the disposal of used air filters. Product testing is carried out in accordance with ISO 11925-2 and product assessment according to EN 13501-1.

### MAXIMUM PRODUCT SAFETY THROUGH COMPLIANCE

MANN+HUMMEL tests its products in accordance with all relevant building technology standards, such as:

<b>Ventilation equipment</b>	EN 13053, EN 16789-3, VDI 3803-1, Eurovent 4/23, DIN 1946-4
<b>Quality, efficiency, technology</b>	ISO 16890, EN 1822 / ISO 29463, VDI 3803-4
<b>Energy efficiency</b>	Eurovent 4/21
<b>Hygiene / metabolism</b>	VDI 6022, VDI 3803-4, DIN 1946-4, EG 1935/2004, ISO 846, EU 10/2011, ADI-free
<b>Fire protection</b>	EN 15423, EN 13501, DIN 53438
<b>Fire safety rail vehicles</b>	EN 45545-2

# A filtration leader For 80 years



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For more than three-quarters of a century MANN+HUMMEL has been finding new ways to separate the useful from the harmful.

Today, our 22,000-strong team of filter experts – more than 1,000 of which make up our R&D department – work together to make our world a cleaner place.

**26 filters roll off our production lines every second of every day. Each is designed to deliver the perfect balance of efficiency, service life and safety, so you can enjoy maximum value and performance.**

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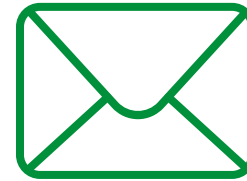
# Don't forget fire protection & EN 13501 When selecting air filters



Visit the MANN+HUMMEL  
air filtration website



View our air filter  
product catalogue



Contact your  
local dealer

