



# Eurovent EN779:2012 A Guide to Compliance

The 2012 Air Filter Standard for General Heating  
& Ventilation - Ratified 23 March 2012

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Technical Bulletin 1: 2015



# Complying with Eurovent Air Filter Standard EN779:2012

The following information is important news for building facilities managers and facility management companies.

2012 is an important year for any firm that uses fine filters in their heating and ventilation systems. Fine filters in this case being defined as filters graded F7, F8 and F9 to EN779.

## In what way does the new standard differ from the old standard?

There are two main changes in EN779:2012 from EN779:2002:

- The first change relates to F5 and F6 filters – these have been reclassified as M5 and M6, acknowledging the fact that these are not truly 'fine' filters but are 'medium' (M) grade.
- The major change to the standard relates to 'fine' filter grades F7-F9.

From 2012, all fine filters must have any electrostatic charge removed from them as part of the test and a minimum efficiency established at a particle size of 0.4 micron.

F7 filters must exceed 35% efficient at 0.4micron, F8 filters 55% and F9 filters 70% - this applies to discharged filters.

## Why is the new standard an important change?

Some 15 years ago we saw the introduction of new synthetic filter media which relied on an electrostatic charge to achieve their rating to EN779. These materials were cheap to produce and easy to handle. They very quickly became the norm. It is estimated that over 95% of all filters F7-F9 in use today in the UK are of this type.

It is the case, however, that under certain conditions the electrostatic charge in these filters can be removed in service. Diesel fumes, petrol fumes and aviation fuel vapours will all remove the electrostatic charge in filters and, when that happens, these filters typically perform at G3 or G4 at best.

*The new standard now guarantees minimum filter efficiency whatever the circumstances.*

## To comply or not comply, that is the question...

To be clear, there is no law or statute that says you have to use filters that comply with the new EN779:2012 standard. However, if you specify a grade of filter to EN779 to your filter supplier, they must legally provide a filter F7 to EN779:2012 standard. Filter companies cannot offer F7 to 'the old standard'.

These new fine filter standards have far reaching implications and deliver improved IAQ and real energy savings to building owners and operators throughout Europe.

Jasun Envirocare still offers non-compliant filters providing the customer understands that they do not comply with the current standard. We make it absolutely clear that it is the customer's decision as to whether compliance is necessary for their application.

A selection of our energy rated and Eurovent compliant filters



JAYFLOW Bag Filters  
EN779:2012 Compliant

- Glass Micro Fibre
- Mechanical Media
- Five Grades: M5, M6, F7, F8 and F9
- Good Energy Ratings
- Conical Stitched Profile Pockets
- Long Life



COMPACT Filters  
EN779:2012 Compliant

- Glass paper F6, F7, F8 and F9
- Mechanical Media
- Synthetic Media M5 and m6
- Good Energy Ratings
- 4 V Construction
- Long Life
- Great in VAV Systems
- Good for high humidity or damp conditions



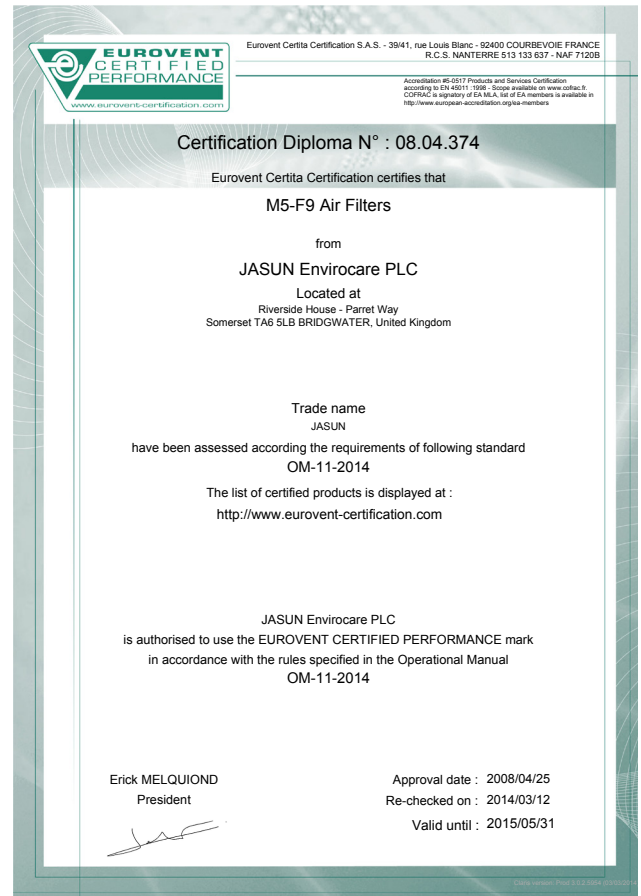
JENERGIE Bag Filters  
EN779:2012 Compliant

- New generation 'NANOWAVE' Synthetic Media
- Mechanical Filtration properties
- Grades F7, F8 and F9
- Good Energy Ratings A+
- Conical Stitched Profile Pockets
- Long Life
- ETA Later in 2015



## What does our Eurovent Certificate mean for our customers?

- The Eurovent Certificate that Jasun Envirocare Plc has been awarded proves that our air filters deliver on promised performance.
- Customers should be requesting a Eurovent Certificate (as shown here) as proof of compliance or should be asking for sight of an EN779:2012 product certificate.
- Our M5 to F9 filters are compliant with the new Eurovent standard and deliver better IAQ (Indoor Air Quality) throughout filter service.
- Participants in the Eurovent Scheme must undergo stringent testing criteria, resulting in guaranteed filter performance.



## Our Commitment

We recognise the need for sustainable clean air solutions that contribute to improved air quality at beneficial life cycle costs. Our ongoing commitment is to develop and manufacture air filters that are at the forefront of energy cost/filtration efficiency performance ratios.



We are accredited by BSI to ISO 9001, ISO 14001 and to OHSAS 18001.

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### FREE Energy Filter Audit - Contact our Service Division

**Online Services** - Our Energy Rated products are available online at [www.jfilters.com](http://www.jfilters.com) and at [www.jasunfiltration.com](http://www.jasunfiltration.com)