



Experience, Technology, Value

## Important changes to EN779 Efficiency Testing Certification

The European Standard for air filter testing (EN779-2012) replaces the old 2002 standard which classifies coarse and fine air filters.

In EN779:2002 air filters were classified on their average efficiency across the life of the filter, allowing the filter to underperform in its new and clean state.

EN779:2012: fine filters in the class F7 to F9 a minimum efficiency (ME) is introduced as additional criteria to qualify for classification.

Minimum Efficiency is the lowest measured value during three test stages:

- Initial efficiency of a new, unloaded filter
- Discharged efficiency of a new, unloaded filter (**all electrostatic charges removed**)
- Loaded efficiency of a filter, progressively exposed to the standardized ASHRAE test dust (Thus also observing possible breakthrough of dust)

With the introduction of the minimum efficiency (ME) a value is introduced which guarantees the “real life” performance under all conditions, provided the filter is not damaged and used at the agreed airflow rate. Such a minimum value is already known from the testing of HEPA and ULPA filters.

**\*Minimum Efficiency results may substantially change from test results performed prior to 2012.**