



New European filter standard EN 779:2012

Since 2012 in Europe a stricter standard for air filters is valid.

The standard has been changed as follows:

- The coarse filter group and test procedure for G groups remain unchanged.
- F5 and F6 has changed into medium filters M5 and M6, the test procedure remains unchanged.
- The designations for fine filters F7 to F9 remain unchanged, the test procedure has been changed and a minimum efficiency level has been introduced

Our bag filter with filter classes F7, F8 and F9 are made of high-quality filter media, whose efficiency is mainly based on reliable and mechanical deposition (high filter volume).

In order to avoid disadvantages of a bag filter (sheddingeffect, long construction, etc.), we recommend the use of our compact filters, filter class F9.

	EN 779: 2002	EN 779: 2012	medium filtration efficiency [%]	medium efficiency level [%]	minimum efficiency level (IPA treated) [%]
coarse dust filter	G1	G1	<65		-
	G2	G2	65 - <80		-
	G3	G3	65 - <90		-
	G4	G4	>90		-
fine dust filter	F5	M5		40 - <60	-
	F6	M6		40 - <80	-
	F7	F7		40 - <90	35
	F8	F8		40 - <95	55
	F9	F9		>95	70

The required minimum efficiency levels are resulting in a higher mechanical separation. This results in a higher pressure loss, which can be compensated by a larger filter area.

