Coarse, Medium and Fine Filters

Classification Standard EN779:2012

The EN 779:2002 classification system (comprising groups F and G filters) has been changed to three groups (F-,M- and G-filters).

Filters found to have an average efficiency value of less then 40 % of 0,4 μm particles will be allocated to group G and the efficiency reported as "< 40 %". The classification of G filters (G1 - G4) is based on their average arrestance with the loading dust.

Filters found to have an average efficiency value from 40 % to less than 80 % of 0,4 μ m particles will be allocated to group M (M5, M6) and the classification is based on their average efficiency (0,4 μ m). The filter classes F5 and F6 have changed to M5 and M6, but with same requirements, as in the old classification system.

Filters found to have an average efficiency of 80 % or more of 0,4 μm particles will be allocated to group F (F7-F9) and the classification is based on their average efficiency (0,4 μm) as in the old system and the minimum efficiency during the test.

O, CERTIFIED	Eurovent Certific Certification S.A.S 30/41, rue Louis Blanc - 02400 COURBEVOIE PRANCE R.O.S. NANTERRE 513 133 637 - NAF 71208				
PERFORMANCE www.aurovent-certification.com	Accreditation #5.0017 Products and lienvices Certification according is 514.0011 1368 - Ricoge analysis on new collact. CORNAC is grantery of EA.N. (of EA.neembers is analysis in http://www.sungetian.acceditation.org/ca.neembers				
Certific	ation Diploma N° : 14.03.005				
Euro	ovent Certifa Certification certifies that				
	M5-F9 Air Filters				
	from				
UL	PATEK Filtre Tic. San. A.S				
Sanayi M	Located at Mah. Tunç Cad. No.6 - Has Sanayi Sitesi A Blok 34517 Esenyurt - Istanbul , Turkey				
	Trade name				
have been assess	ed according the requirements of following standard OM-11-2014				
The	list of certified products is displayed at :				
htt	p://www.eurovent-certification.com				
is authorised to use	ULPATEK Filtre Tic. San. A.S the EUROVENT CERTIFIED PERFORMANCE mark				
in accordance	with the rules specified in the Operational Manual OM-11-2014				
Erick MELQUIOND	Approval date : 2014/03/25				
President	Re-checked on : 2014/03/25 Valid until : 2015/05/31				

EN779:2012 Classification

Filter Group	Class	Final pressure drop (Pa)	Average Arrestance (A _m) of synthetic dust (%)	Average Efficiency (E _m) of 0,4 µm particles (%)	Minimum Efficiency of 0,4 µm particles (%)
- Coarse -	61	250	$50 \le A_m < 65$	-	-
	G2	250	$65 \leq \mathbf{A}_{m} < 80$	-	-
	G3	250	$80 \leq \mathbf{A}_{m} < 90$	-	-
	G4	250	$90 \leq \mathbf{A}_{m}$	-	-
Medium -	M5	450	-	$40 \le E_{m} < 60$	-
	M6	450	-	$60 \le E_m < 80$	-
- Fine	F7	450	-	$80 \le E_m < 90$	35
	F8	450	-	90 ≤ E _m < 95	55
	F9	450	-	9 5 ≤ E _m	70

European Association of Air Handling and Refrigerating Equipment Manufacturers, Eurovent's certification tells our clients that Ulpatek fine filters are tested by independent research laboratory and that Ulpatek's published product information must be accurate. Ulpatek has also ISO 9001 to ensure quality operations since the day production started.



Initial Efficiency vs. Particle Size

Filter Group	Class	0,1 µ m	0,3 µm	0,5 µm	1,0 µm	3,0 µ m	5,0 µm	10,0 µ m
Coarse	G1	-	-	-	-	0 - 5	5 - 15	40 - 50
	G2	-	-	-	0 - 5	5 - 15	15 - 35	50 - 70
	G3	-	-	0 - 5	5 - 15	15 - 35	35 - 70	70 - 85
	G4	-	0 - 5	5 - 15	15 - 35	30 - 55	60 - 90	85 - 98
Medium —	M5	0 - 10	5 - 15	15 - 30	30 - 50	70 - 90	90 - 99	>98
Wedium -	M6	5 - 15	10 - 25	20 - 40	50 - 65	<mark>85 - 95</mark>	95 - 99	>99
Fine	F7	25 - 35	45 - 60	60 - 75	85 - 95	>98	>99	>99
	F8	35 - 45	65 - 75	80 - 90	95 - 98	>99	>99	>99
	F9	45 - 60	75 - 85	90 - 95	>99	>99	>99	>99



ADVANCED FILTRATION FOR A BETTER FUTURE!