Air filters Selection Guide

China GB/T14295	primary efficiency>5μm 80%> Efficiency>15%					Secondary filter>1μm 70%> Efficiency>20%			Secondary filter >1μm 99%> Efficiency>70%		
USA ASHRAS	C1	C2 C4	L5	L6	L7	L8	M9 M10	M11	M12	M13	M14
Europe new standard	G1 65%	G2 80%	G3 80 90%		G4 >90%		F5 40%	F6 60%		F7 80%	F8 90%
Europe old standard	EU1	EU2	EU3		EU4		EU5	EU6		EU7	EU8
China GB/T14295	Sub-HEPA>0.5μm 99.9%>Efficiency>95%						HEPA>0.5μm Efficiency>99.9%				
USA ASHRAS	H12H16						VH17	VH18	VH19	VH20	
Europe new standard	F9 85%	H10 95%		H11 99%		H12 99.90%	H13 99.95%	H14 99.995%	H15 17 99.9995%		
Europe old standard	EU9		EU10		EU11		EU12	EU13	EU14		

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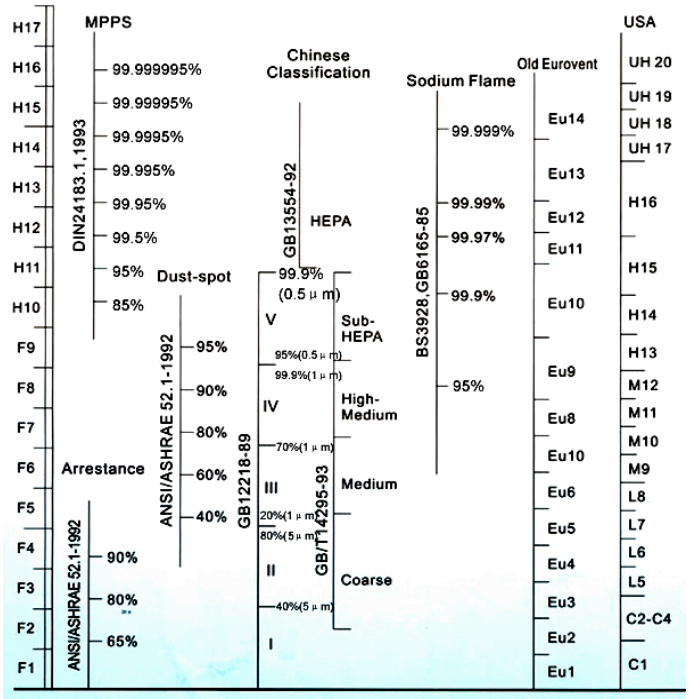

American efficiency specification

ASHRAE 52.2P-1996suggestion specification

Spec	% Arrestance	%, By quantity method		
		0.30~1.0μm	1.0~3.0μm	3.0~10μm
C-1	E<65			
C-2	65<=E<70			
C-3	70<=E<75			
C-4	75<=E<80			
L-5	(80~85)			20<=E<35
L-6	(85~90)			35<=E<50
L-7	(>90)			50<=E<70
L-8				70<=E<80
M-9			E<50	
M-10			50<=E<65	
M-11			65<=E<80	
M-12			80<=E<90	
H-13		E<75		
H-14		75<=E<85		
H-15		85<=E<95		
H-16		95<=E		
UH-17	>=99.97	DOP, It is for the 0.3um dust particle diameter according to IES Standard		
UH-18	>=99.99			
UH-19	>=99.999			
UH-20	>=99.999	By quantity method, It is for the 01-0.2um dust particle diameter according to IES Standard		

American environment academy of science to highly effective filter classification, IES-RP-CC001.3-1993

Akind (Type A): Under fixed amount of windDOPexperiment, to0.3μm granule filter efficiency>=99.97%.

Bkind (Type B): SatisfiesAkind of performance, and after100%and20%fixed amount of wind comparison leak detection experim

Ckind (Type C):0.3μm DOPexperiment filter efficiency>=99.99%, and after multi- dispersed phasesDOPscanning experiment.

Dkind (Type D):0.3μm DOPexperiment filter efficiency>=99.999%, and after multi- dispersed phasesDOPscanning experiment.

Ekind (Type E): Satisfies US military with atomic energy standardMIL-F-51086, uses in to filter the poison, the nuclear po Filter, 0.3μm DOPexperiment filter efficiency>=99.97%.

Fkind (Type F): Granule technology scanning experiment, to0.1~0.2μmgranule filter efficiency>99.999%.

European efficiency specification

Europe present classifies, CEN EN779 and CEN EN 1,882

Spec	% Arrestance	% Dust - spor and count method	% MPPS
G1	E<65		
G2	65<=E<80		
G3	80<=E<90		
G4	90<=E		
F5		40<=E<60	
F6		60<=E<80	
F7		80<=E<90	
F8		90<=E<95	
F9		95<=E	
H10			85<=E<95
H11			95<=E<99.5
H12			99.5<=E<99.95
H13			99.95<=E<99.995
H14			99.995<=E<99.9995
U15			99.9995<=E<99.99995
U16			99.99995<=E<99.999995
U17			99.999995<=E

Note(1): When the experimental end resistance is450Pa, placeaveragecounting efficiency value is equal to 0.4 μthe m to the color method efficiency value.

Note(2): Because sends the dust experiment, equally the counting efficiency value is higher than the initial efficiency value which the Chinese present method determines.

Europe old classifies, Europe ventilates the association,Eurovent

Spec	% Arrestance	% Dust - spot	% Sodium Flame
EU1	E<65		
EU2	65<=E<80		
EU3	80<=E<90		
EU4	90<=E		
EU5		40<=E<60	
EU6		60<=E<80	
EU7		80<=E<90	
EU8		90<=E<95	
EU9		95<=E	
EU10			
EU11			
EU12			95<=E<99.9
EU13			
EU14			

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