

Compact filter

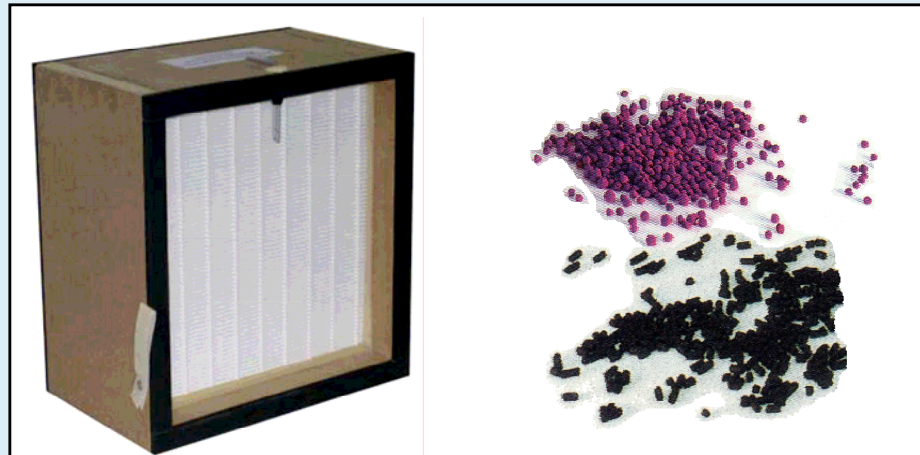
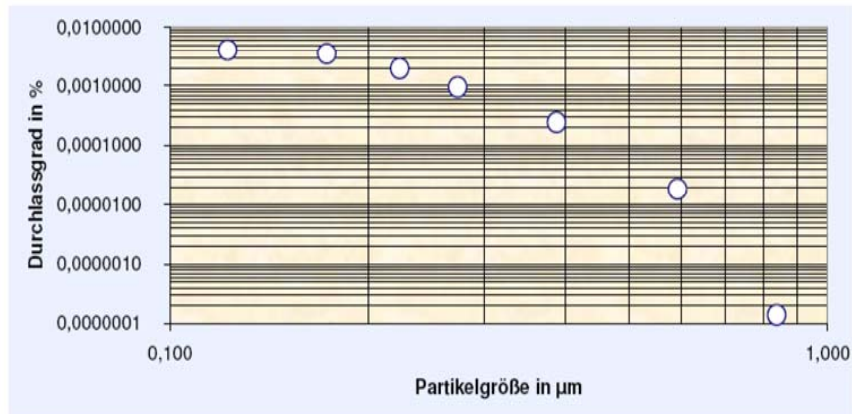


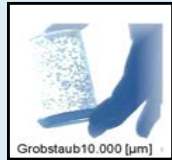
Diagramm 2: Durchlassgrad als Funktion der Partikelgröße



* Gemessen wurde an einem geeichten Prüfstand mit elektronisch regelbarem Ventilator und Venturimessblende unter anerkannten Bedingungen der vom VDMA vorgegebenen Ausrüstung von Prüfständen zur Erlangung von Prüfzeugnissen für Luftfilter.

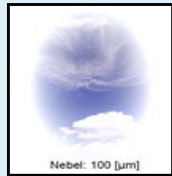
- **HEPA filter**
H13 according to EN 1822
filtration efficiency in MPPS >99,95
MPPS = Most Penetrated Particle Size
- **Wide band gas filter**
filter exists of:
 - 50% activated carbon**
 - 50% Puratex potassium permanganate**

Particle size



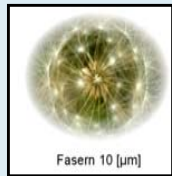
- **heavy dust sand** 10000 [µm]

heavy particulate air filter G1-G4



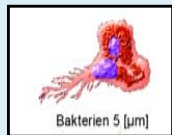
- **fog hair** 100 [µm]

fine particulate air filter F5



- **fibres pollen** 10 [µm]

fine particulate air filter F7



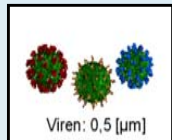
- **bacteria pigments** 5 [µm]

fine particulate air filter F9



- **fume asbestos dust** >1 [µm]

High Efficiency Particulate Air H11



- **viruses** 0,5 [µm]

high Efficiency Particulate Air H13

Filter standards

DIN EN 779	DIN EN 779	DIN EN 1822
Heavy particulate air filter average deposition activity against dust A	Fine particulate air filter middle efficiency(atmospheric) activity against aerosol E	HEPA-and ULPA-filter filtration efficiency A in MPPS ca. 0,1-0,3 [µm]
A 50-65% G1		
A 65-80% G2		
A 80-90% G3		
A >90% G4		
	E 40-60% F5	
	E 60-80% F6	
	E 80-90% F7	
	E 90-95% F8	
	E >95% F9	
		A(integr.) >85% H10
		A(integr.) >95% H11
		A(integr.) >99,5% H12
		A(integr.) >99,95% H13
		A(lokal) >99,75% A(integr.) >99,995% H14
		A(lokal) >99,975% A(integr.) >99,9995% U15
		A(lokal) >99,9975% A(integr.) >99,99995% U16
		A(lokal) >99,99975% A(integr.) >99,999995% U17
		A(lokal) >99,9999%

BS 3928	US-MIL-Std.	DIN EN 60335	ZH 1/487
HEPA-and ULPA-filter filtration efficiency A NaCl 0,3 (0,6) [µm]	HEPA-and ULPA-filter filtration efficiency A DOP 0,3 [µm]	HEPA-and ULPA-filter transmittance D liquid paraffin 61% < 1 [µm]	dust removal units middle transmittance D quartz dust 90% 0,2 [µm]
			D <5% U
		D <1% L	D <1% S
			D <0,5% G
A >95% EU10		D <0,1% M	D <0,1% C
A >99,9% EU11	A >95%		D <0,05 Parafinöl 90% < EM K1, K2
A >99,97% EU12	A >99,97%		
A >99,99% EU13	A >99,99%		
A >99,999% EU14	A >99,999%	D <0,005% H	