

Filter Classification (Sterile and Non sterile Dosage Forms)

Filter Classes (DIN/ EN)	Efficiency ASHRAE 52- 76	Synthetic Dust Arrestance	Efficiency for Atmospheric Dust	Efficiency for Fog of Oil 0.3 ... 0.5 um	Typically used for filtration of
	[%]	Am [%]	Em [%]	Em [%]	
Prefilters G3 EU3	25 - 30	> 80..... < 90	---		Fresh air for . AHUs (min efficiency/ alternatively EU7) LF prefiltration (Min efficiency) Supply air for . Areas of Grade III (Min efficiency)
F7 EU7	80 – 85	---	> 80.... < 90		Return air (I st step locally or central) from Areas with products dust (HAP category “A” “B” and “C”) Exhaust air from Areas with or without product dust (HAP Category) Processes if product in HAP category “A”
Intermediate Filter F9 EU9	90 - 95		> 95		Supply air for Areas of class “D” , if there no more risk of contamination Areas of class D and Grade I, If area is not recirculate Areas of Grade II Return air (II nd step central) from Areas with product dust (HAP category B)
Final Filter (Central Filter) EU13				> 99.95	Supply air for . areas class D Grade I, If air is recirculated Process in combination with suitable prefilters (e.g. fluid bed dryer, hot air tunnel , coating etc.)

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Final Filter (Central Filter) EU14				> 99.995	Return air (2 nd Step Central) from Areas with product dust (HAP category B if respiratory sensitizing and HAP category C) Exhaust air from areas with product dust and HAP category B. Processes , if product in HAP category B and C .
Final Filter Terminal Filter EU14				> 99.995	Supply air for Areas of class A , B and C Recirculated air from vacume cleaner / Dedusters

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