

# Standard for Filters

Filter Classification	EN 779	Eurovent 4/9	Average Arrestance Efficiency (%)	Dust Spot Efficiency (%)
Pre-Filter	G1	EU1	Eff. < 65	-
	G2	EU2	65 ≤ Eff. ≤ 80	10 ≤ Eff. ≤ 20
	G3	EU3	80 ≤ Eff. ≤ 90	20 ≤ Eff. ≤ 30
	G4	EU4	90 ≤ Eff.	30 ≤ Eff. ≤ 40
Medium-Filter	F5	EU5	-	40 ≤ Eff. ≤ 60
	F6	EU6	-	60 ≤ Eff. ≤ 80
	F7	EU7	-	80 ≤ Eff. ≤ 90
	F8/9	EU8/9	-	90 ≤ Eff. ≤ 95

Filter Classification	EN 1822	Eurovent 4/9	Efficiency @ MPPS (%)	Efficiency @ 0.3 Micron (%)
HEPA-Filter	H10	EU10	> 85	> 95
	H11	EU11	> 95	> 98
	H12	EU12	> 99.5	> 99.99
	H13	EU13	> 99.95	> 99.997
	H14	EU14	> 99.995	> 99.999
ULPA-Filter			Efficiency @ 0.12 Micron (%)	
	U15	EU15	> 99.9995	> 99.9995
	U16	EU16	> 99.99995	> 99.99995
	U17	EU17	> 99.999995	> 99.999995

Average arrestance efficiency for pre-filters classification on ASHRAE 52.1-1999 Standard

Dust Spot efficiency for medium-filters classification on ASHRAE52.1-1999 Standard

MPPS = Most Penetrating Particle Size (Range of Particle 0.12 - 0.18 Micron)

ULPA Filter efficiency are based on particle size 0.12 Micron