

Comparison between the filter classes defined in ISO 29463 and EN 1822

Filter classes according EN1822	Filter classes according ISO299463	Overall Value		Local Value	
		Efficiency	Penetration	Efficiency	Penetration
E10	–	≥ 85%	≤ 15%	–	–
E11	ISO 15 E	≥ 95%	≤ 5%	–	–
	ISO 20 E	≥ 99%	≤ 1%	–	–
E12	ISO 25 E	≥ 99.5%	≤ 0.5%	–	–
	ISO 30 E	≥ 99.9%	≤ 0.1%	–	–
H13	ISO 35 H	≥ 99.95%	≤ 0.05%	≥ 99.75%	≤ 0.25%
	ISO 40 H	≥ 99.99%	≤ 0.01%	≥ 99.95%	≤ 0.05%
H14	ISO 45 H	≥ 99.995%	≤ 0.005%	≥ 99.975%	≤ 0.025%
	ISO 50 H	≥ 99.999%	≤ 0.001%	≥ 99.995%	≤ 0.005%
U15	ISO 55 U	≥ 99.9995%	≤ 0.0005%	≥ 99.9975%	≤ 0.0025%
	ISO 60 U	≥ 99.9999%	≤ 0.0001%	≥ 99.9995%	≤ 0.0005%
U16	ISO 65 U	≥ 99.99995%	≤ 0.00005%	≥ 99.99975%	≤ 0.00025%
	ISO 70 U	≥ 99.99999%	≤ 0.00001%	≥ 99.9999%	≤ 0.0001%
U17	ISO 75 U	≥ 99.999995%	≤ 0.000005%	≥ 99.9999%	≤ 0.0001%