

FILTER SOLUTIONS INC

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CHARACTERISTICS OF PARTICLE SIZE

COMMON PARTICAL SIZES			
PARTICLES NAME	PARTICLES SIZE RANGE (IN MICRON)	PARTICLES NAME	PARTICLES SIZE RANGE (IN MICRON)
FUME	0.001-1	CARBON BLACK	0.01-0.3
DUST	1-10,000	PULVERIZED COAL	3-500
MIST	0.001-10	PAINT PIGMENTS	0.1-5
SPRAY	10-10,000	FLOTATION ORES	10-200
CLAY	0.02-2	ZINC OXIDE FUME	0.01-0.3
SILT	2-20	INSECTICIDE DUSTS	0.5-10
FINE SAND	20-200	COLLOIDAL SILICA	0.02-0.05
COARSE SAND	200-2000	GROUND TALC	0.5-50
GRAVEL	2000-30,000 PLUS	SPRAY DRIED MILK	0.1-10
SMOG	0.001-2	PLANT SPORES	10-30
CLOUDS AND FOG	2-70	ALKALI FUME	0.1-5
MIST	70-200	POLLENS	10-100
DRIZZLE	200-500	AITKEN NUCLEI	0.005-0.2
RAIN	500-10,000	MILLED FLOUR	1-80
ROSIN SMOKE	0.01-1	ATMOSPHERIC DUST	0.001-20
FERTILIZER, GROUND LIMESTONE	10-1000	SEA SALT NUCLEI	0.03-0.5
OIL SMOKES	0.03-1	NEBULIZER DROPS	1-20
FLY ASH	1-200	HYDRAULIC NOZZLE DROPS	50-5000
TOBACCO SMOKE	0.01-1	COMBUSTION NUCLEI	0.01-0.1
COAL DUST	1-100	LUNG DAMAGING DUST	0.5-5
METALLURGICAL DUSTS AND FUMES	0.001-100	PNEUMATIC NOZZLE DROPS	10-100
AMMONIUM CHLORIDE FUME	0.1-3	RED BLOOD CELL DIAMETER (ADULTS)	7.5
CEMENT DUST	3-100	VIRUSES	0.003-0.05
SULFURIC CONCENTRATOR MIST	1-20	BACTERIA	0.3-30
BEACH SAND	90-2000	CONTACT SULFURIC MIST	0.3-3

This chart contains general information and is a general guide only