

Microfiberglass Filter Cartridges

Flow Rates & Retention Specifications —

— Microfiberglass Filter Flow Rates



Flow vs Pressure Drop — Microfiberglass

	Liquid Service				Gas Service
Nominal Micron Rating	Particulate Removal Efficiency				
	90%	99%	99.9%	99.99%	DOP Removal
	Beta Ratio				Efficiency
	10	100	1,000	10,000	
0.1	0.1	0.4	0.6	0.8	99.999%
0.2	0.2	0.5	0.7	1.0	99.99%
0.45	0.45	1.0	2.0	3.0	99.985%
1.0	1.0	3.0	5.0	7.0	93%
3.0	3.0	7.0	10.0	12.0	65%
10.0	7.0	10.0	15.0	25.0	50%
30.0	20.0	30.0	40.0	50.0	15%
50.0	30.0	40.0	50.0	60.0	_

Ratings are based on laboratory tests using AC Fine Test Dust and Latex Spheres in water at a flow rate of 2.5 gpm per 10 inch cartridge at room temperature. Field results will be influenced by the type of fluid and contaminant as well as flow rate and temperature.

BETA RATIO is an alternate method of expressing efficiency. Beta= 1/(1-Efficiency).

GAS: Removal ratings are for Dioctyl Pathalate (DOP) which produces a 0.3 micron particle when dispersed as an aerosol.