

Filter Cartridge Indicators

Filter cartridge	Pore size	Working temperature	Max. operating temperature	PH	Bobule point	Filtered water flux (unit: T / h)	Initial flux	Diffusion flow	Application
PES	0.1um	≤60℃	85℃ (△ P≤0.1MPa	2--13	≥0.4MPa	0.3			water filtration, wine filtration, high-purity water filtration, API terminal filtration
	0.2um	≤60℃		2--13	≥0.3MPa	0.3	7.5L/min	≤20L/min	
	0.45um	≤60℃		2--13	≥0.2MPa	0.4	12L/min		
	1.0um	≤60℃		2--13		0.5	25L/min		

Nylon	0.2um	≤60℃	80℃ (△ P≤0.15MPa	6--13	≥0.28MPa	0.2	4.5L/min	≤10L/min	Liquid for injection, infusion, electronic industry, pure water, alkaline liquid, wine, fruit juice filtration, ink filtration, chemical solvent filtration
	0.45um	≤60℃		6--13	≥0.20MPa	0.3	10L/min	≤30L/min	
	0.65um	≤60℃		6--13	≥0.15MPa	0.4	20L/min		
PTFE	0.1um (air)	≤65℃	90℃ (△ P≤0.1MPa	1--14		6m ³ /h	6m ³ /h	≤10L/min	Electronic industry; Medical
	0.45um(liquid)	≤65℃		1--14	≥0.105MPa	0.3			

	0.65um(liquid)	≤65℃		1--14	≥0.075MPa	0.4			industry; Chemical industry; Food industry
PVDF	0.2um	≤65℃	90℃ (△ P≤0.1MPa	1--13	≥0.07MPa	0.3	4L/min		Fermentation air filtration, ozone resistant filtration, organic sterilization filtration
	0.45um	≤65℃		1--13	≥0.05MPa	0.4	9L/min		
PP	0.1um	≤55℃	90℃ (△ P≤0.1MPa	1--13	≥0.018MPa	0.2	<8L/min		Wine, mineral water, purified water filtration,

	0.2um	≤55℃		1--13	≥0.014MPa	0.3	< 12L/min		electroplating solution adequacy, ink
	0.45um	≤55℃		1--13	≥0.008MPa	0.4	< 21L/min		
	1um	≤55℃		1--13		5	< 26L/min		
	3um	≤55℃		1--13			< 30L/min		
	5um	≤55℃		1--13			< 50L/min		

Note: 1.The filtration area is 0.65 square meters,

2.The sterilization method can be steam sterilization at 121+2 ℃ for 30 minutes

3.The pressure conditions for PTFE, PVDF, and PP testing are 25 ℃, with 95% isopropanol as the wetting medium.