



GDB - High Flow Rate TFT-LCD Wet Process Filter Cartridges

GDB series are designed with bigger filtration area in order to contribute to better performances of high flow rate, long service life and high retention efficiency. Advantages of longer service life and simple-to-use design reduce maintaining costs greatly due to fewer filter change outs and easier replacements. GDB filter cartridges are available in various filter media which play efficiently as excellent solutions for different needs.

- Ⓞ ***High surface area design provides superior flow rate and high dirt holding capacity, resulting in better cost-saving solutions.***
- Ⓞ ***Long service life demands fewer filter change outs and easier replacements.***
- Ⓞ ***Cartridges are designed to meet special needs in processes requiring high purity.***
- Ⓞ ***Available in various filter media and micron ratings to satisfy different needs.***

Specifications

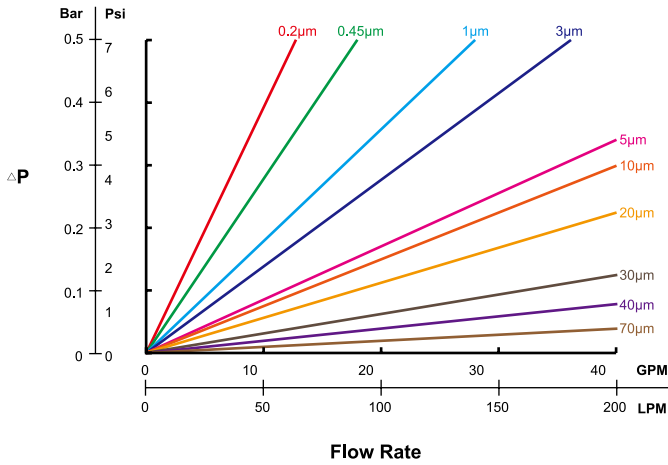
Filter Media	Polypropylene, Polyethersulfone, PTFE, SUS316, SUS316L
O-ring	EPDM, Viton, Teflon encapsulated Viton
Core	Polypropylene, SUS316, SUS316L
Filter Support	Polypropylene, SUS316, SUS316L
End Cap	Polypropylene, SUS316, SUS316L
Cage	Polypropylene, SUS316, SUS316L
Outside Diameter	82mm

Operation Data

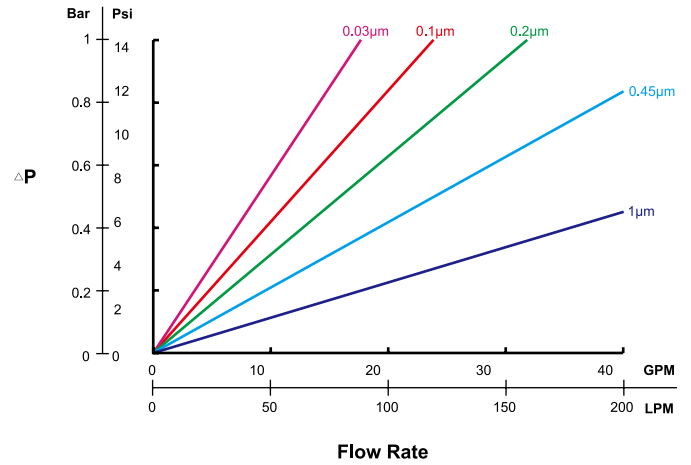
Filter Media	Polypropylene	Polyethersulfone	PTFE	SUS
Micron Rating	0.2, 0.45, 1, 3, 5, 10, 20, 30, 40, 70 µm	0.03, 0.1, 0.2, 0.45, 1 µm	0.1, 0.2, 0.45, 1, 3, 10 µm	1, 2, 3, 5, 10, 20, 30, 50, 70, 100 µm
Maximum Operating Temperature	80°C (176°F)	80°C (176°F)	90°C (194°F)	190°C (374°F)
Maximum Recommended Differential Pressure	4.8 bar at 20°C (70 psi at 68°F) 3.4 bar at 50°C (50 psi at 122°F) 1.4 bar at 80°C (20 psi at 176°F)	4.8 bar at 20°C (70 psi at 68°F) 3.4 bar at 50°C (50 psi at 122°F) 1.4 bar at 80°C (20 psi at 176°F)	4.8 bar at 20°C (70 psi at 68°F) 2.1 bar at 90°C (30 psi at 194°F) 1.4 bar at 90°C (20 psi at 194°F)	4.8 bar at 50°C (70 psi at 122°F) 3.4 bar at 80°C (50 psi at 176°F) 1.4 bar at 110°C (20 psi at 230°F)
Recommended Change Out Differential Pressure	2.4 bar (35 psi)	2.4 bar (35 psi)	2.4 bar (35 psi)	2.4 bar (35 psi)

GDB-High Flow Rate TFT-LCD Wet Process Filter Cartridges

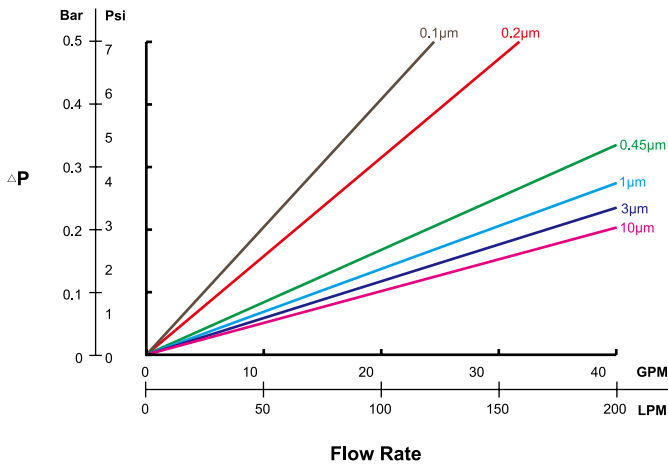
10" GDB Polypropylene Fiber Pleated Filter Cartridges



10" GDB Polyethersulfone Membrane Pleated Filter Cartridges



10" GDB Hydrophobic PTFE Membrane Pleated Filter Cartridges



Ordering Information

Type	Series	Micron Rating	Filter Media	Nominal Length (inch)	O-ring Option	End Cap Option
GD Pleated Membrane Filter Cartridge	B - B Series	0X3 - 0.03 μm	P - Polypropylene S - Polyethersulfone F - Hydrophobic PTFE 6 - SUS316 7 - SUS316L	10 - 9" 11 - 10" Other Customized Sizes	E-EPDM V-Viton W-Teflon encapsulated Viton	5:2-222 O-ring with Flat End 7:No Bayonet 2-226 O-ring with Flat End
		01 - 0.1 μm				
		02 - 0.2 μm				
		0H - 0.45 μm				
		1 - 1 μm				
		2 - 2 μm				
		3 - 3 μm				
		5 - 5 μm				
		10 - 10 μm				
		20 - 20 μm				
30 - 30 μm						
40 - 40 μm						
50 - 50 μm						
70 - 70 μm						
100 - 100 μm						
GD Pleated Membrane Filter Cartridge	B B Series	1 1μm	P Polypropylene	10 10"	E EPDM O-ring	5 2-222 O-ring with Flat End