

## 7G-High Flow Rate TFT-LCD Wet Process Filter Cartridges

7G High Flow Rate Filter Cartridges are particularly designed for TFT-LCD wet process with advantages of superior high flow rate, long service life and low pressure drop. Furthermore, 7G filter cartridges provide cost-saving solutions for fewer filter change outs and easier replacements. Available in various filter media and micron ratings, 7G filter cartridges play efficiently to meet different needs in critical applications.



- Ⓞ **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	5.15"(131mm)

### Operation Data

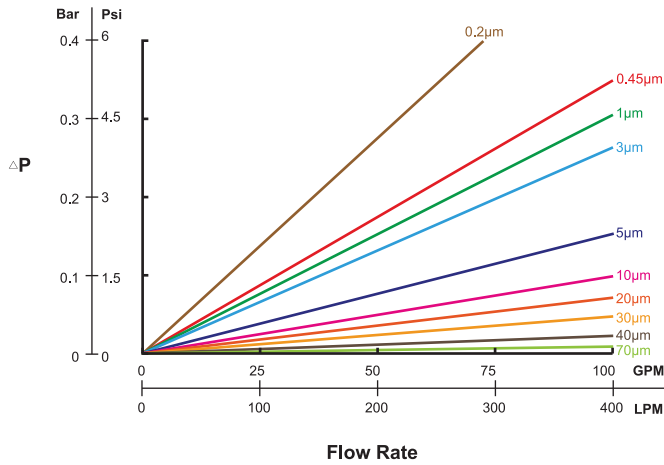
Filter Media	Polypropylene	Polyethersulfone	PTFE	SUS
Micron Rating	0.2, 0.45, 1, 3, 5, 10, 20, 30, 40, 70 µm	0.03, 0.1, 0.2, 0.45, 1 µm	0.1, 0.2, 0.45, 1, 3, 10 µm	1, 2, 3, 5, 10, 20, 30, 50, 70, 100 µm
Maximum Operating Temperature	80°C (176°F)	80°C (176°F)	90°C (194°F)	190°C (374°F)
Maximum Recommended 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)

For more information:

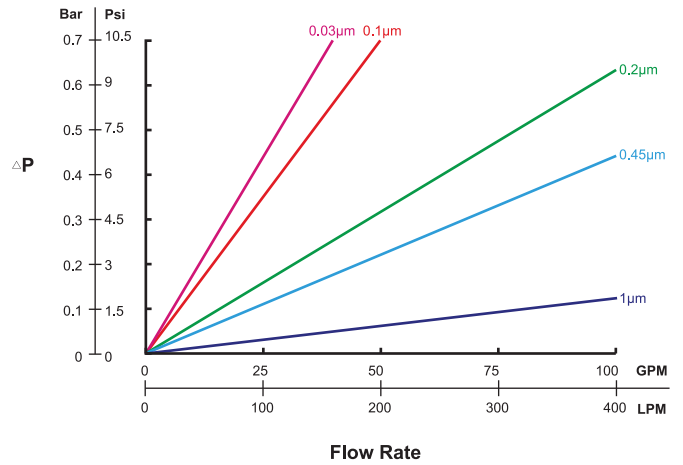
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# 7G-High Flow Rate TFT-LCD Wet Process Filter Cartridges

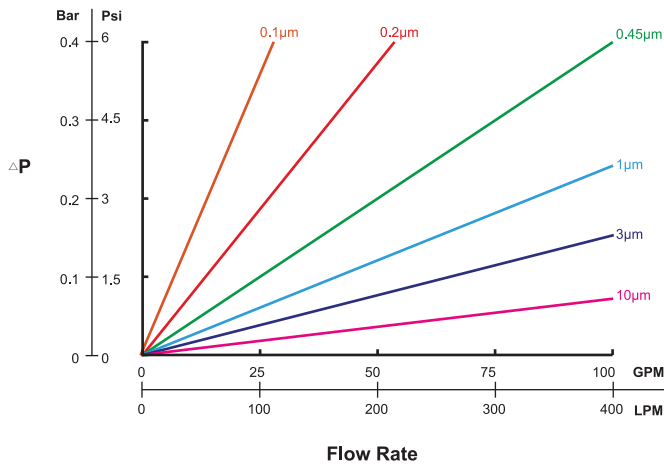
7G Polypropylene Fiber Pleated Filter Cartridge



7G Polyethersulfone Membrane Pleated Filter Cartridge



7G Hydrophobic PTFE Membrane Pleated Filter Cartridge



## Ordering Information

Type	Series	Micron Rating	Filter Media	Nominal Length (inch)	O-ring Option
<b>GD</b> Pleated Membrane Filter Cartridge	<b>7G - 7G Series</b>	<b>0X3</b> – 0.03 μm	<b>P</b> - Polypropylene <b>S</b> - Polyethersulfone <b>F</b> - Hydrophobic PTFE <b>6</b> - SUS316 <b>7</b> - SUS316L	<b>10 - 10"</b> Other Customized Sizes	<b>S</b> -Silicone <b>E</b> -EPDM <b>V</b> -Viton <b>W</b> -Teflon encapsulated Viton
		<b>01</b> – 0.1 μm			
		<b>02</b> – 0.2 μm			
		<b>0H</b> – 0.45 μm			
		<b>1</b> – 1 μm			
		<b>3</b> – 3 μm			
		<b>5</b> – 5 μm			
		<b>10</b> – 10 μm			
		<b>20</b> – 20 μm			
		<b>30</b> – 30 μm			
<b>40</b> – 40 μm					
<b>50</b> – 50 μm					
<b>70</b> – 70 μm					
<b>100</b> – 100 μm					
<b>GD</b> Pleated Membrane Filter Cartridge	<b>7G</b> 7G Series	<b>5</b> 5μm	<b>P</b> Polypropylene	<b>10</b> 10"	<b>E</b> EPDM O-ring

For more information:

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