



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) |

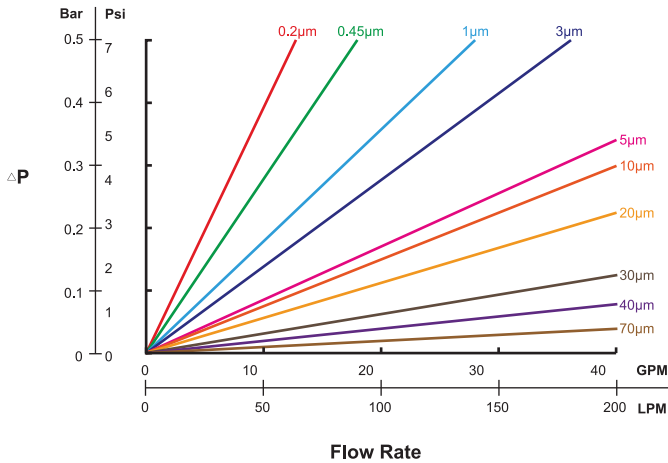
For more information:

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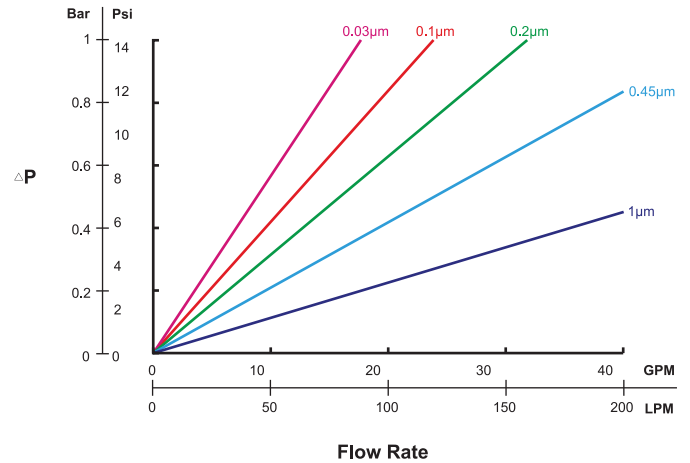


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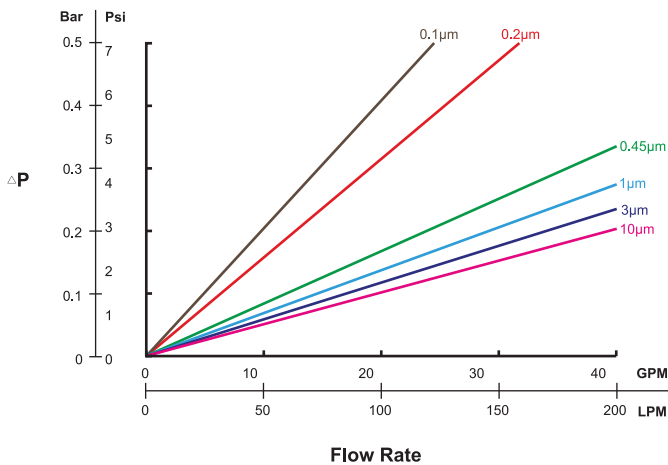
10" GDB Polypropylene Fiber Pleated Filter Cartridges



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 Series | 1 μm | Polypropylene | 10" | EPDM O-ring | 2-222 O-ring with Flat End |

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