



Surface (Non-woven)
(Glass Fiber Media)

MICRO-PURE

MGB Type

Major Applications

Color resist

CMP slurry

Other high-concentration dispersions



Features

- Micro-glass fiber media
- Adsorption effect by Micro-glass fiber media
- Optimization of materials used
- 100% flushing before shipment

Advantages

- High filtration efficiency
- Low pressure drop and excellent flow rate
- Effective capture for colloidal foreign particles
- Low extractables
- Reduction of fiber release

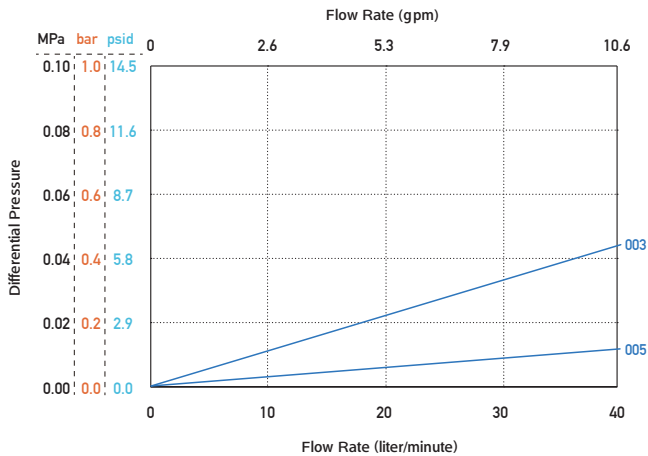
Specifications

| | | |
|--------------------------------------|---|------|
| Grades | 003 | 005 |
| Micron Ratings (μm) | 0.3 | 0.5 |
| E.F.A. ($\text{m}^2/250\text{mm}$) | 0.40 | 0.58 |
| Media | Resin Bonded Glass Fiber | |
| Materials Core/Cage/Support | Polypropylene | |
| End Cap | Polypropylene | |
| Maximum ΔP | 0.49MPa at 20°C (71psi at 68°F) | |
| Maximum Operating Temp | 80 °C (176°F) | |
| Length | 125 / 250 / 500 / 750 mm | |
| O.D. | 70.0mm | |
| I. D. | 25.6 (for 0.5) / 26.1 (for F) / 29.5 (for 7) mm | |

*If you need further information on specifications (length, end cap type, etc.), please contact us.

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



Particle Removal Efficiency

| Grades Particle Size (μm) | Particle Removal Efficiency (%) | |
|------------------------------|---------------------------------|-------|
| | 003 | 005 |
| 0.3 | >98 | |
| 0.5 | >99.9 | >99 |
| 1.0 | | >99.9 |

Test Conditions

Equipment : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ALUMINA (MGB-003)
 ALUMINA+BOEHMITE (MGB-005)

Ordering Information

| Length | Product Type | Micron Rating | Gasket/O-Ring | End Cap Code | Packaging Code |
|--|--------------|------------------------------|--|--|------------------------------------|
| 2 5 0 L | -MGB- | 0 0 3 | V | 7 | F |
| 125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm | | 003 = 0.3 μm 005 = 0.5 μm | S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F) | F = Flat Gaskets 0 = 2-222 O-Ring 5 = 2-222 O-Ring + Fin 7 = 2-226 O-Ring + Fin | B = 6pcs C = 10pcs F = 25pcs |

End Cap Code



*The contents of the catalog are subject to change without notice.

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.

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Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.

Scope

Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.



7th Issue
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