

Specifications

Media	: Polypropylene
End Parts	: Polypropylene
Gaskets	: PE Foam
O-ring	: NBR, EPDM, Silicone, FKM (Fluorine Rubber) E-FKM (Encapsulated Fluorine Rubber)

Filtration rate

Absolute : 1, 3, 5, 7, 10, 15 micron

Dimension

Double open ended:

ID x OD x Length

29mm x 67mm x 125, 248, 250, 254, 496,
500, 508, 743, 750, 762,
991, 1000, 1016 mm

Single open ended:

ID x OD x Length

25mm x 70mm x 10", 20", 30", 40"

Operating Conditions

Maximum Operating Temperature:

80°C (175°F)

Replacement Differential Pressure:

0.15MPa (22psi)

Maximum Differential Pressure:

0.55MPa (80psi) @ 20°C (68°F)

* depending on operating parameters



CLEAL[®]

BM FILTER Cartridges

**Self-Bonding Binder-Free Surfactant-Free Long-Life
Absolute Filtration rating Type Depth Cartridge Filter**

Features

Structure

The polypropylene bi-component fiber matrix in BM filter developed by JNC presents the high degree of fiber-to-fiber thermally bonded construction while the fiber diameters utilized are progressively finer from the outside to the inside. Accordingly, a stabilized pore structure is formed, and an ideal fiber porosity gradient is provided.

Advantages

- BM Filter developed and patented by JNC ensure finer filtration.
- Depth filtration with a large continuous porosity gradient.
- The simple but clean and rigid structure utilizing state-of-the-art fiber technology allows for longer service life and higher throughputs.
- A rigid filter structure of fused fibers in a three dimensional network with a high tolerance for differential pressure is achieved.
- The diameter of the structural fibers is changed for every grade, and the grades are clearly differentiated from an absolute filtration rating of 1µm to 15µm.
- The polypropylene fibers of construction are FDA approved for potable liquids contact according to CFR Title 21.

Quality

- BM medium complies with CFR 21 FDA regulations
- Does not include substances subject to the RoHS Directive
- Does not include substances subject to the REACH regulation
- Production at ISO 9001 certified factory
- Production at ISO 14001 certified factory

Application

General Industry :

Various plating, Resin coatings, Various washing water, etc.

Chemicals :

Automobiles (coating), Pigments, Solvent types adhesive, Aqueous emulsions, Silicon type coating agents, Plating liquids, etc.

Food & Beverages :

Potable water, Tea, Juices, Nutrition supplement drinks, Sake, Wine, Cooking oils, Seasonings and soups, Vinegar, Brewing water, Flavoring and food additives, Syrup, Wastewater, etc..

Electronics :

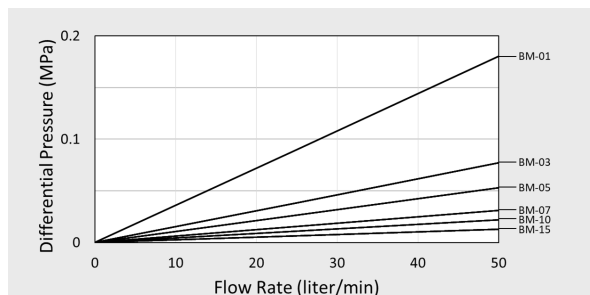
Pure water, Optical fiber cleaning, Printed-circuit boards, Lead frames, Electrolyzed copper foils, Ceramic capacitors (slurry), etc.

Filter Rating

Grade	Absolute rating
BM-01	1 μm
BM-03	3 μm
BM-05	5 μm
BM-07	7 μm
BM-10	10 μm
BM-15	15 μm

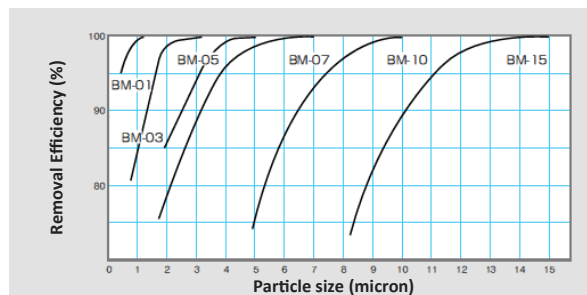
Water Permeability

Flow Rate - Differential Pressure



Removal Efficiency

Initial Particle Removal Efficiency



Ordering Guide

Code information							Sales Unit
Grade	Filter Rating	End Type & Seal Material		ID & OD (mm)	Length (mm)		SPQ (pcs/ctn)
BM -	01 (1 μm) 03 (3 μm) 05 (5 μm) 07 (07 μm) 10 (10 μm) 15 (15 μm)	(DOE) G0 (PE foam Gasket)		29 - 67 -	125		100
					248, 250, 254		50
					496, 500, 508		25
					743, 750, 762		20
					991, 1000, 1016		20
	(SOE) E3 (222 O-ring with Flat End) E7 (226 O-ring with Spear End) M3 (222 O-ring with Flat End) M8 (222 O-ring with Spear End)		1 (NBR) 2 (Silicone) 3 (FKM) 4 (E-FKM) 5 (EPDM)	25 - 70 -	(E3)	282, 532, 777	6
					(E7)	319, 568, 814	6
					(M3)	265, 513, 762	6
						1030	20
					(M8)	319, 568, 814	6
						1070	20
Example : BM-10E72 25-70-814 (SPQ 6pcs)							
BM -	10	E7	2	25-70-	814		6

- * Description of each characteristic data is based on our original test methods. The actual data may differ slightly from the data shown here by use conditions.
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612 Four Rod Road Kensington, CT 06037
(P) 860-829-3690 (F) 860-282-9940
Sales@danddfiltration.com
www.danddfiltration.com



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