



Specifications

Media	: Polypropylene
End Parts	: Polypropylene
Gaskets	: PE Form
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,
992, 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:
1.5bar (22psi)



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
- Complies with RoHS regulations
- Complies with REACH regulations
- 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 :

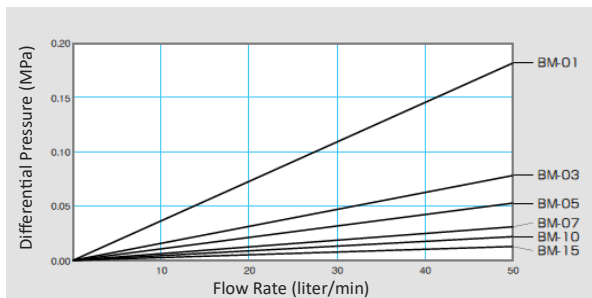
Pure water, Optical fiber cleaning, Printed-circuit boards, Lead frames, Electrolyzed copper foils, Ceramic capacitors (slurry), etc.

Filter Rating

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

Water Permeability

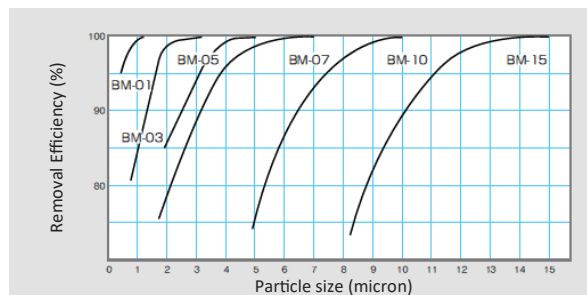
Flow Rate - Differential Pressure



※ per 250 mm, in water

Removal Efficiency

Initial Particle Removal Efficiency



※ tested by JNC method

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)	(DOE) G0 (PE form Gasket)		29 - 67 -	125		100
	03 (3 μm)				248, 250, 254		50
	05 (5 μm)				496, 500, 508		25
	07 (07 μm)				743, 750, 762		20
	10 (10 μm)				992, 1000, 1016		20
	15 (15 μm)	(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)		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	



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2018.02.0000