

CLEAL[®] BM FILTER

Materials of Construction & Regulatory Compliance:

- Polypropylene - Complies with CFR21 FDA regulations.

Features, Advantages and Benefits: As CP FILTER except:

- **Finer micron ratings** Extends CP range to utilising further developments in JNC fibre technology.
- **Continuously varying ultra fine denier polypropylene bicomponent fibres** Produce a graded porosity structure to reduce blinding by spreading different particle sizes throughout the media depth and thus extend service life.
- **No spin finish** is adhered to the fibre surface during the fabrication of BM cartridges thus ensuring no foaming.
- **Eliminates media inserts & delamination** Finer micron ratings can be achieved using glass fibre or other media inserts or layers to reduce the pore rating. This can cause delamination and failure under differential pressure or aggressive solvents and short life and blockage of the insert material but not with BM FILTERS.

BM Retention Ratings & Flow Data

Grade	Absolute µm 99.9%	Specific Pressure Drop (mbar/lpm/ cP/250mm)	Specific Pressure Drop (psid/gpm/ cP/10")
BM-01	1	36.67	2.012
BM-03	3	16.00	0.878
BM-05	5	10.67	0.585
BM-07	7	6.67	0.366
BM-10	10	5.00	0.274
BM-15	15	3.33	0.183



Maximum Differential Pressure at 20°C (68°F): 5.5bard (80psid) **Maximum Operating Temperature:** 80°C (175°F) *

- Limit specifications are for general guidance only and users must check suitability for their own process conditions.

CLEAL[®] BM FILTER Ordering Guide

e.g. DOE BM-10G0 29x67x254, SOE Single Open Ended BM-10E74 25x70x319

Cartridge Code	Absolute Micron Rating (µm)	Adaptor	Seal	Inside Diameter mm (in)	Outside Diameter mm (in)	Length mm (in)
BM-	01 (1) 03 (3) 05 (5) 07 (7) 10 (10) 15 (15)	G0 Gasket DOE PE Foam SOE E3 Code 3 M3 Code 0 E7 Code 7 M8 Code 8	Blank SOE only 1 NBR Rubber 2 Silicone Rubber 3 Fluoro Rubber 4 Fluoro-Polymer 5 EPT Rubber	□	X	X
				DOE 29 (1.14")	DOE 67 (2.64")	248 9¾" 250 (9.8") 254 10" 496 19½" 500 (19.7") 508 20" 743 29¼" 750 (29.5") 762 30" 992 39" 1000 (39.4") 1016 40"
				SOE 25 (0.98")	SOE 70 (2.76")	Please refer to SOE Length Table 1 on Page 23