



CLEAL[®]

BN FILTER Cartridges

Depth Filtration Type High Precision Cartridge Filter

Features

Structure

JNC's new technology has enabled submicron filtration accuracy despite having a deep filtration structure. It is a structure in which the fiber intersection points are strongly bonded and have a more significant fiber diameter gradient.

Advantages

- JNC's new technology achieves submicron filtration accuracy.
- JNC's new technology creates a more significant fiber diameter gradient than conventional products, and the deep-layer structure provides longer life.
- Unique filter media design achieves high flow rate - low pressure drop filtration.
- High differential pressure resistance is achieved due to the three-dimensional structure with three-dimensional thermally bonded fibers.
- Each intersection point of the fibers is strongly thermally bonded to ensure stable filtration suppressing deformation of the pores and the drop-out of filter media.
- The filter media is made of polypropylene fiber, which provides excellent chemical resistance.
- The polypropylene fibers of construction are FDA approved for potable liquids contact according to CFR Title 21.

Quality

- BN medium complies with CFR 21 FDA regulations
- No intentional use exceeding the threshold for substances subject to the RoHS directive exists.
- No intentional use exceeding the threshold for substances subject to the REACH regulation exists.
- Production at ISO 9001 certified factory
- Production at ISO 14001 certified factory

Application

Fine slurry, optical coating material, hard coating material, transparent material, encapsulation material, high resolution ink, food, beverages, etc.

Specifications

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

Filtration rate

Rating : 0.5, 0.7 micron

Dimension

Double open ended:

ID x OD x Length
29mm x 67mm x 10", 20", 30"

Single open ended:

ID x OD x Length
25mm x 70mm x 10", 20", 30"

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

Filter Rating

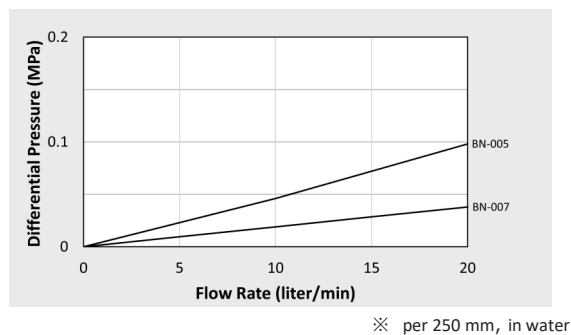
Grade	Filter rating
BN-005	0.5 μm
BN-007	0.7 μm

End Type

G0	Flat Gasket End
	
E7	226 O-ring with Spear closed End
	
M3	222 O-ring with Flat closed End
	
M8	222 O-ring with Spear closed End
	

Water Permeability

Flow Rate - Differential Pressure



Ordering Guide

Code information							Sales Unit
Grade	Filter Rating	End Type & Seal Material		ID & OD (mm)	Length (mm)		SPQ (pcs/ctn)
BN -	005 (0.5 μm) 007 (0.7 μm)	(DOE)		29 - 67 -	250, 254		50
		G0 (PE foam Gasket)			500, 508		25
					750, 762		20
	(SOE)		25 - 70 -	(E3)	282, 532, 777	6	
	E3 (222 O-ring with Flat End)	2 (Silicone)		(E7)	319, 568, 814	6	
	E7 (226 O-ring with Spear End)	3 (FKM)					
	M3 (222 O-ring with Flat End)	4 (E-FKM)					
	M8 (222 O-ring with Spear End)	5 (EPDM)					
		(M3)	265, 513, 762	6			
		(M8)	319, 568, 814	6			
Example : BN-005E72 25-70-814 (SPQ 6pcs)							
BN -	005	E7	2	25-70-	814	6	



- * Our filter complies with Japanese regulations. Please note that regulations may vary by country, we advise you to check your local regulations prior to use.
- * 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.
- * Please be reminded that we may change this content without advance notice.
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