

EBP • EBR • EBN • EBS Type (Polyphenylene Sulfide)

These cartridges are string wound filters, constructed of PPS (Polyphenylene Sulfide) media. The PPS provides extremely excellent temperature and chemical compatibility compared with other engineering plastics. Thus these products can be used as replacement of the filters using the high cost media such as metal or fluorocarbon resin, resulting in excellent running cost reduction. Depending on the application, four types of core materials, polypropylene (EBP), stainless (EBS), reinforced polypropylene (EBR) and nylon (EBN) are available.

Features

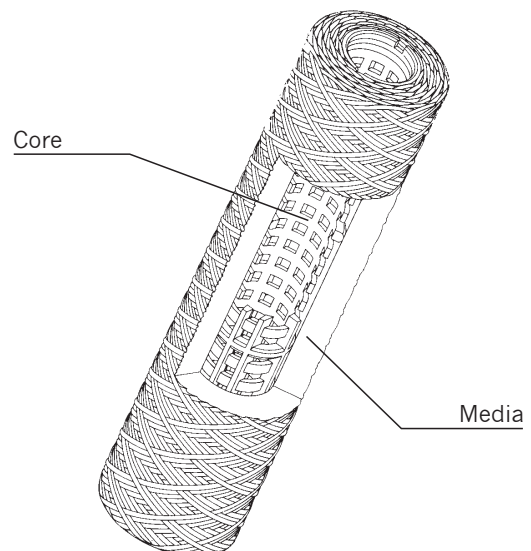
- These cartridges provide high removal efficiency and longer service life, since the graded density slope is provided and particles with a wide distribution are removed throughout the entire depth of the filter media.
- These cartridges can be used for the applications where high temperature and chemical compatibility are demanded, since the PPS media provide stable filtration of most of the strong acids, strong alkalis and organic solvents at a high temperature without the media deformation.



Materials of Construction

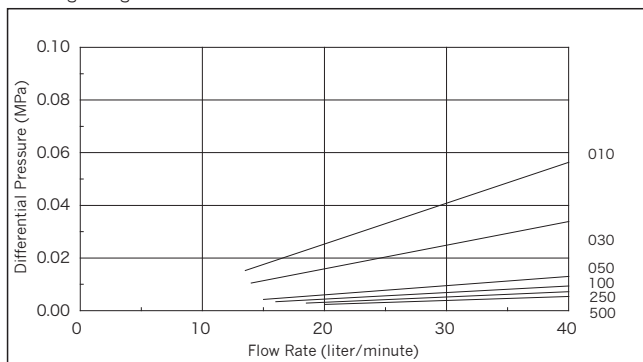
Major Applications

- Strong acidic and alkali chemical solutions
- Organic solvents
- Chemical solutions at a high temperature
- Boiler condensate and Steam
- Others



Differential Pressure vs Flow Rate

Fluid: Water (20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)					
	010	030	050	100	250	500
1.0	>60					
3.0	>80	>60				
5.0	>90	>80	>60			
10.0	>99.9	>90	>80	>60		
25.0		>99.9	>90	>80	>60	
50.0			>99.9	>90	>80	>60
75.0				>99.9	>90	>80

<Test Condition>

Equipment: Hiac Royco Particle Counter
Model 8000A/8000S

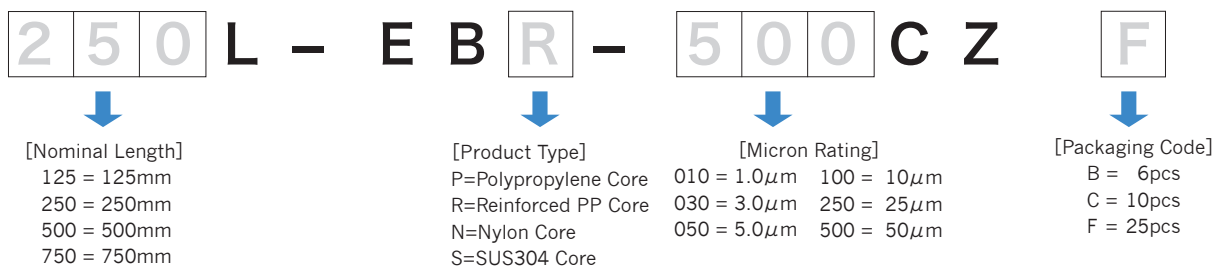
Filtration : One Pass

Fluid : Refined Water

Flow Rate : 10 liter/minute

Dust : ACFTD+Latex Beads

Ordering Information



Specification

Product Type		EBP • EBR • EBN • EBS					
Grade		010	030	050	100	250	500
Micron Rating (μm)		1.0	3.0	5.0	10	25	50
Dimensions	Length (mm)	125 / 250 / 500 / 750					
	O.D. (mm)	61.0					
	I. D. (mm)	29.5 (EBP•EBR•EBN) / 28.5 (EBS)					
Materials Media	Media	Polyphenylene Sulfide					
	Core	Polypropylene (EBP)	Reinforced Polypropylene (EBR)	Nylon66 (EBN)	SUS304 (EBS)		
Maximum ΔP (MPa) at 20°C		80 (EBP)	100 (EBR)	120 (EBN)	190 (EBS)		
Maximum Operating Temp.(°C)		0.49					

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

※With regard to ΔP (MPa) at around 120°C, please consult us.

End Cap Code



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