

## VNN Type (100% Nylon)

The VNN cartridges are string wound filters, constructed of 100% Nylon. The VNN cartridges are suitable for the filtration of organic solvents and oils at a high temperature where existing polypropylene cartridges can not be withstood.

### Features

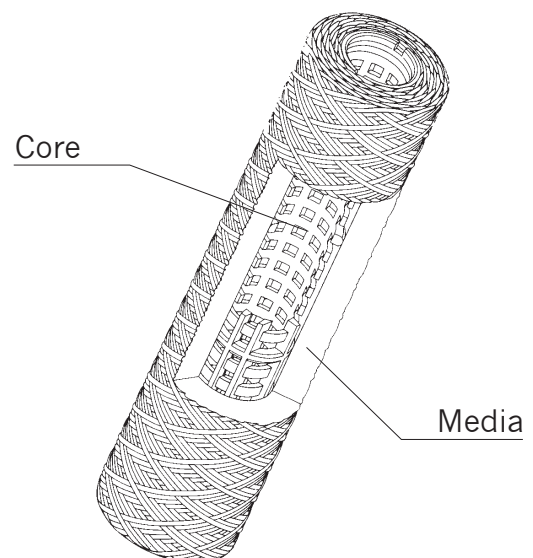
- The VNN cartridges provide longer service life, since the ideal graded density slope from coarse (outside) to fine (inside) is equipped.
- The VNN cartridges provide stable filtration of applications such as hydrocarbon and chlorinated solvents where polypropylene cartridges can not be used for a long time of period.
- The separation step can eliminate when disposed, since a Nylon core is used.

### Major Applications

- Volatile oils
- Organic solvents such as toluene, xylene and THF
- Chlorinated solvents
- Lubricating oils at a high temperature
- Others

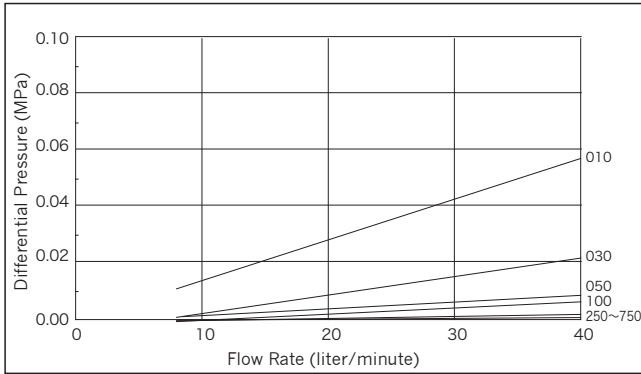


### Materials of Construction



## 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 (%)						
	VNN-010	VNN-030	VNN-050	VNN-100	VNN-250	VNN-500	VNN-750
1.0	>80						
3.0	>90	>60					
5.0	>99.9	>80	>60				
10.0		>90	>90	>60			
25.0		>99.9	>99.9	>90	>60		
50.0				>90	>80	>80	
75.0				>99.9	>90	>90	>60

<Test Condition>

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

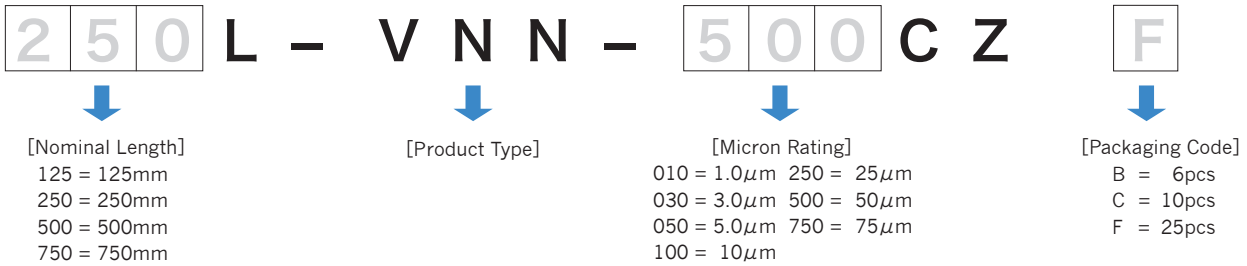
Filtration : One Pass

Fluid : Refined Water

Flow Rate : 10 liter/minute

Dust : Radiolite #800

## Ordering Information



## Specification

Product Type		VNN						
Grade		010	030	050	100	250	500	750
Micron Rating (μm)		1.0	3.0	5.0	10	25	50	75
Dimen- sions	Length (mm)	125 / 250 / 500 / 750						
	O.D. (mm)	61.0						
	I. D. (mm)	29.5						
Materials Media	Core	Nylon 66						
	Cage	Nylon 66						
Maximum ΔP (MPa)at 20°C		0.49						
Maximum Operating Temp.(°C)		120						

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

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

※Please refer to MICRO-CILIA filter catalog No. AA1A006CJ for other kinds of filter media.

## End Cap Code



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