

## EX · CS · RS NS · GS Type (String wound cartridges)

The MICRO-CILIA cartridges are string wound filters with density slope. They provide longer service life, since the ideal density slope from coarse (outside) to fine (inside) is equipped. Depending on the conditions of use (liquids, temperature), the materials of filter media and inner core can be chosen.

### Features · Major Applications **EX**Type

#### Features

- The EX cartridges can be used for a wide range of liquids, since a widely used polypropylene is used for both filter media and inner core.
- The EX cartridges are economical filters

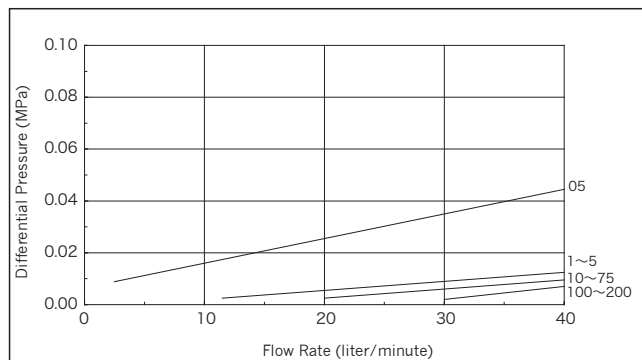
#### Major Applications

- General water for industrial use
- Chemical solutions
- Solvents
- Others



### Differential Pressure vs Flow Rate

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




※The data do not include piping pressure drop.

### Specification

Product Type		EX										
Grade		05	1	3	5	10	25	50	75	100	150	200
Micron Rating (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150	200
Dimen- sions	Length (mm)	125 / 250 / 500 / 750										
	O.D. (mm)	61.0										
	I. D. (mm)	29.5										
Materials Media	Media	Polypropylene										
	Core	Polypropylene										
Maximum ΔP (MPa)at 20°C		0.49										
Maximum Operating Temp.(C)		60										
Adaptable Food Sanitation Standard		FDA 21CFR / Ministry of Health, Labour and Welfare, Notice 370										

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



**Ez-Change™**  
Capsule Filter Cartridge

This product can be installed in the Capsulate Filter "Ez-Change". Please refer to the Ez-Change catalog in detail.

## Features · Major Applications **CS**Type

### Features

- The CS cartridges can be used for the applications where high temperature and chemical compatibility are demanded, since they are constructed of Cotton Media and Stainless Core.
- The used Cotton media can meet food applications.

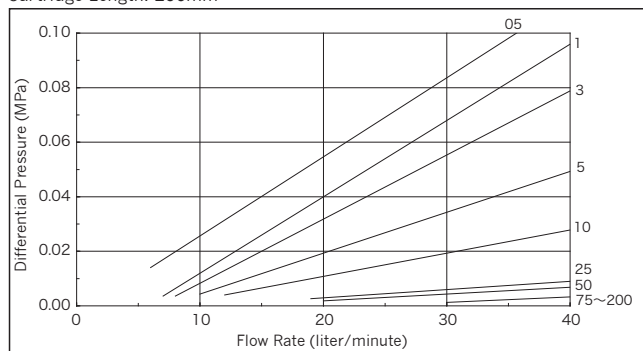
### Major Applications

- Beverage and cooking oil
- Chemical solutions
- Organic solvents
- Others



## Differential Pressure vs Flow Rate

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



※The data do not include piping pressure drop.

## Specification

Product Type		CS										
Grade		05	1	3	5	10	25	50	75	100	150	200
Micron Rating (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150	200
Dimensions	Length (mm)	125 / 250 / 500 / 750										
	O.D. (mm)	61.0										
	I. D. (mm)	28.5										
Materials Media	Media	bleached Cotton										
	Core	SUS304										
Maximum ΔP (MPa)at 20°C		0.49										
Maximum Operating Temp.(°C)		120										
Adaptable Food Sanitation Standard		Ministry of Health, Labour and Welfare, Notice 370										

- \* If you need further information on specifications (length, end cap code, etc.), please contact us.
- \* Core materials besides sus304 (Polypropylene, Reinforced polypropylene, Nylon) are available. Please refer to the catalog ECP, ECR, ECN (cat, No. AA1A008CE)

## Features · Major Applications **RS**Type

### Features

- The RS cartridges are suitable for the filtration of oils, since they are constructed of Viscose Rayon Media and Stainless Core.
- The RS cartridges provide excellent temperature and chemical compatibilities.

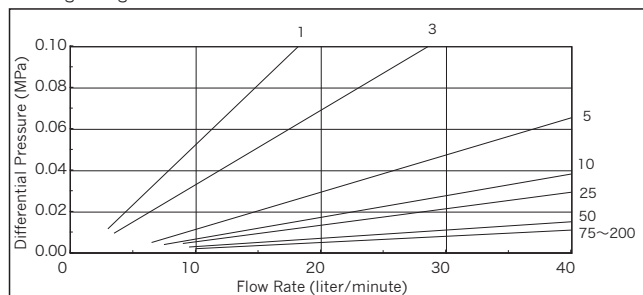
### Major Applications

- Oil-base Inks
- Hot oils
- Others



## Differential Pressure vs Flow Rate

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



※The data do not include piping pressure drop.

## Specification

Product Type		RS										
Grade		1	3	5	10	25	50	75	100	150	200	
Micron Rating (μm)		1.0	3.0	5.0	10	25	50	75	100	150	200	
Dimensions	Length (mm)	125 / 250 / 500 / 750										
	O.D. (mm)	61.0										
	I. D. (mm)	28.5										
Materials Media	Media	Viscous Rayon										
	Core	SUS304										
Maximum ΔP (MPa)at 20°C		0.49										
Maximum Operating Temp.(°C)		120										

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

## Features · Major Applications **NS**Type

### Features

- The NS cartridges are suitable for the filtration of organic solvents and oils at a high temperature.

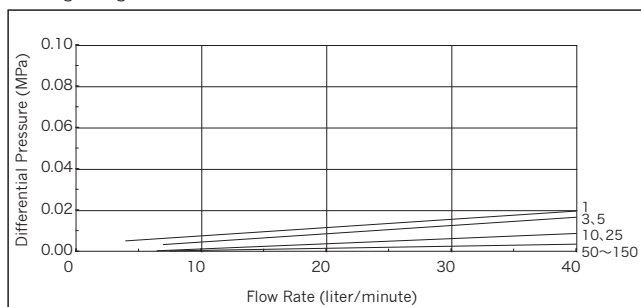
### Major Applications

- Organic solvents such as Toluene, Xylene and THF
- Hydrocarbon Chlorinated solvents
- Lubricating oils at a high temperature
- Others



## Differential Pressure vs Flow Rate

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



※The data do not include piping pressure drop.

## Specification

Product Type		NS								
Grade		1	3	5	10	25	50	75	100	150
Micron Rating (μm)		1.0	3.0	5.0	10	25	50	75	100	150
Dimensions	Length (mm)	125 / 250 / 500 / 750								
	O.D. (mm)	61.0								
	I. D. (mm)	28.5								
Materials Media	Media	Nylon 66								
	Core	SUS304								
Maximum ΔP (MPa)at 20°C		0.49								
Maximum Operating Temp.(°C)		120								

\* If you need further information on specifications (length, end cap code, etc.), please contact us.  
\* Nylon core is also available. Please refer to the VNN catalog. (cat, No.AA1A001CE)

## Features · Major Applications **GS**Type

### Features

- The GS cartridges provide excellent temperature compatibility, since they are constructed of Glass Fiber Media and Stainless Core.
- Colloidal substances can be removed effectively by the characteristics of the Glass Fiber Media.
- The GS cartridges provide higher flow rates, while maintaining low differential pressure.

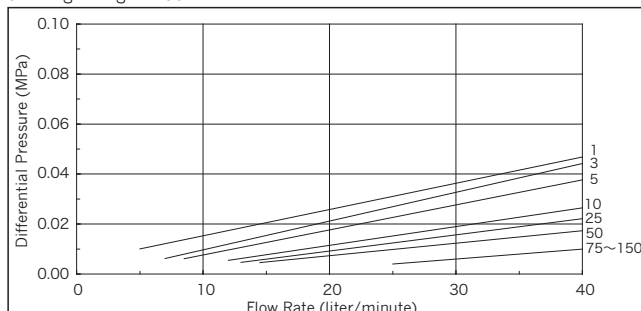
### Major Applications

- Chemical solutions at a high temperature
- Others



## Differential Pressure vs Flow Rate

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



※The data do not include piping pressure drop.

## Specification

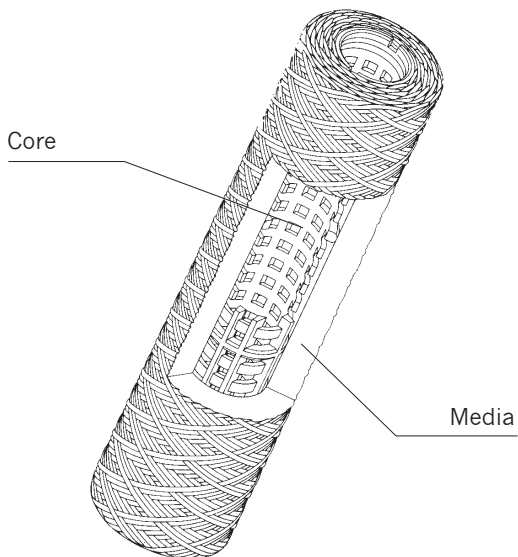
Product Type		GS								
Grade		1	3	5	10	25	50	75	100	150
Micron Rating (μm)		1	3	5	10	25	50	75	100	150
Dimensions	Length (mm)	125 / 250 / 500 / 750								
	O.D. (mm)	61.0								
	I. D. (mm)	28.5								
Materials Media	Media	Glass Fiber								
	Core	SUS304								
Maximum ΔP (MPa)at 20°C		0.49								
Maximum Operating Temp.(°C)		200								

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

## Ordering Information

250	L	-	EX	-	100	-	C
↓			↓		↓		↓
[Nominal Length]			[Product Type]		[Micron Rating]		[Packaging Code]
125 = 125mm			EX= All Polypropylene		05 = 0.5 μm    50 = 50 μm		B = 6pcs
250 = 250mm			CS= Cotton + SUS304 Core		1 = 1.0 μm    75 = 75 μm		C = 10pcs
500 = 500mm			RS= Viscous Rayon + SUS304 Core		3 = 3.0 μm    100 = 100 μm		F = 25pcs
750 = 750mm			NS= Nylon 6 + SUS304 Core		5 = 5.0 μm    150 = 150 μm		
			GS= Glass Fiber + SUS304 Core		10 = 10 μm    200 = 200 μm		
					25 = 25 μm		

## Materials of Construction



## End Cap Code

Code CZ



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