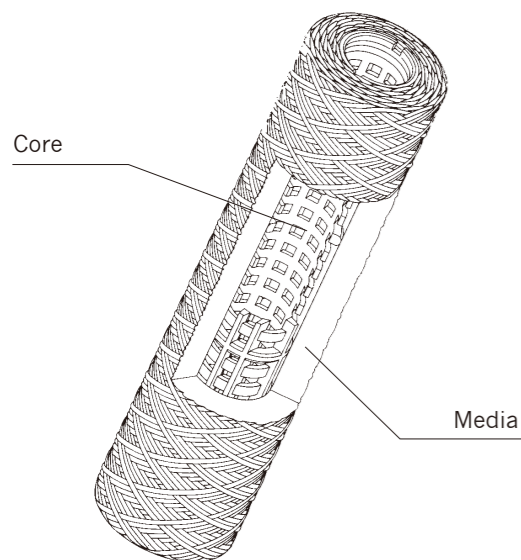


**EX · CS · RS
NS · GS**
Type
(String wound cartridges)

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.

Materials of Construction

End Cap Code



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

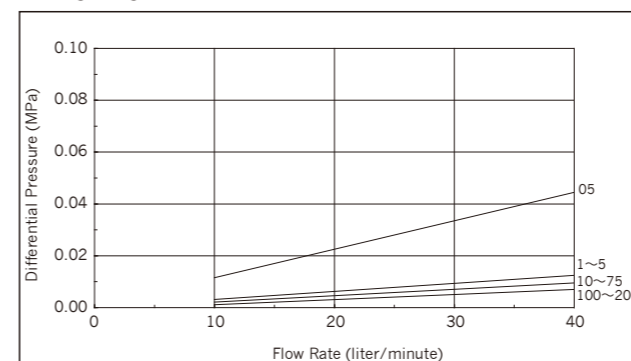
Major Applications

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



Differential Pressure vs Flow Rate

Fluid: Refined water (20°C)
 Cartridge Length: 250mm



※The data do not include piping pressure drop.

*The above data are based on our test condition, and are not guaranteed value.

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
Dimensions	Length (mm) 125 / 250 / 500 / 750										
	O.D. (mm) 61.0										
I. D. (mm) 29.5											
Materials	Media Polypropylene										
	Core Polypropylene										
Maximum ΔP (MPa) at 20°C 0.49											
Maximum Operating Temp. (°C) 60											
Adaptable Food Sanitation Standard FDA 21CFR											

※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.

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

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.

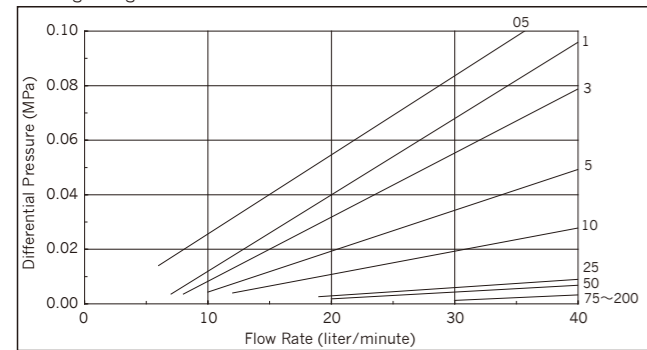
Major Applications

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



Differential Pressure vs Flow Rate

Fluid: Refined water (20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

*The above data are based on our test condition, and are not guaranteed value.

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	bleached Cotton										
	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.

※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 Rayon Media and Stainless Core.
- The RS cartridges provide excellent temperature and chemical compatibilities.

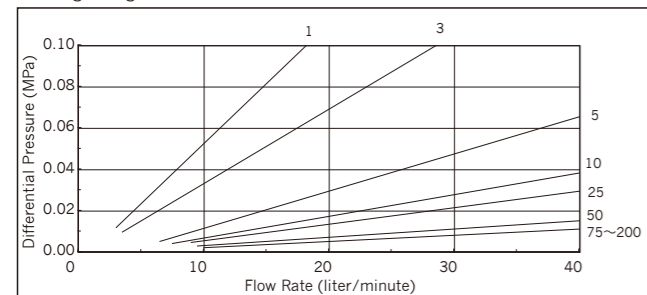
Major Applications

- Oil-base Inks
- Hot oils
- Others



Differential Pressure vs Flow Rate

Fluid: Refined water (20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

*The above data are based on our test condition, and are not guaranteed value.

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	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.

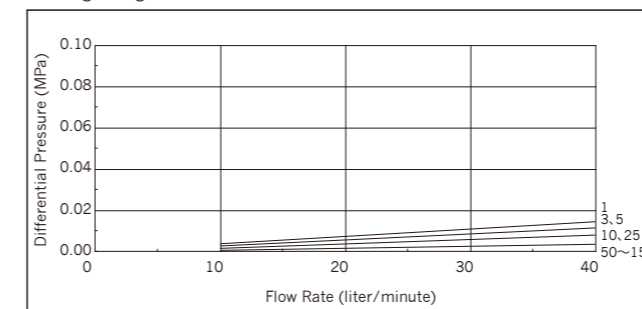
Major Applications

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



Differential Pressure vs Flow Rate

Fluid: Refined water (20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

*The above data are based on our test condition, and are not guaranteed value.

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	Nylon								
	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.

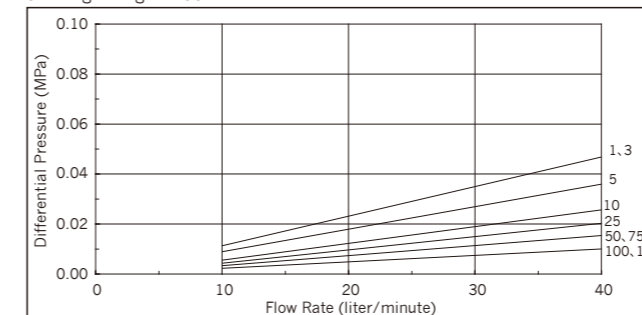
Major Applications

- Chemical solutions at a high temperature
- Others



Differential Pressure vs Flow Rate

Fluid: Refined water (20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

*The above data are based on our test condition, and are not guaranteed value.

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)	60.0								
	I. D. (mm)	28.5								
Materials	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.