

NET•NEN

Type

(Polyethylene, Polyamide media)

MICRO-PURE Filter Cartridges are pleated filters made of net polyethylene / polyamide media. Because of the use of the net media, effective flow channels can be obtained for high-viscosity fluids and fluids with high solid content, and stable filtration can be done with low-pressure drop.

It is easy to dispose of used filters as compared with stainless mesh filters.

Features

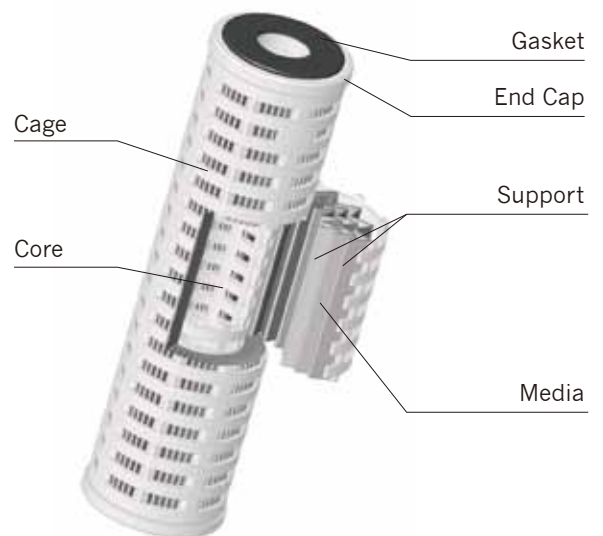
- Since the main net media is reinforced by the strong support net, the media is never transformed under high differential pressure. It is possible therefore to secure effective flow channels for high-viscosity fluids and fluids with high solid content and to filter them with low pressure drop in the stable state.
- The net media has uniform pore size as compared with non-woven media. The net media therefore can remove target particles very efficiently, and simultaneously can let particles smaller than the target particles flow to the downstream. Hence, the net media is suitable for classification.
- Because of the use of the net media, there is no concern about fiber migration as compared with filters using non-woven media.
- Free from adhesive, surfactant and silicone, the filter provides reliable filtration of paints without craters occurring on the surface of final products.
- Also for filtration of coarse particle range in excess of 100 μm which could be filtered only with stainless mesh filters before, the classification of target particles is feasible.
- Filtration grades can be chosen from a wide lineup of products according to the purpose of filtration.

Major Applications

- High-viscosity fluids
- Paints
- Slurries
- Binders
- Others



Materials of Construction

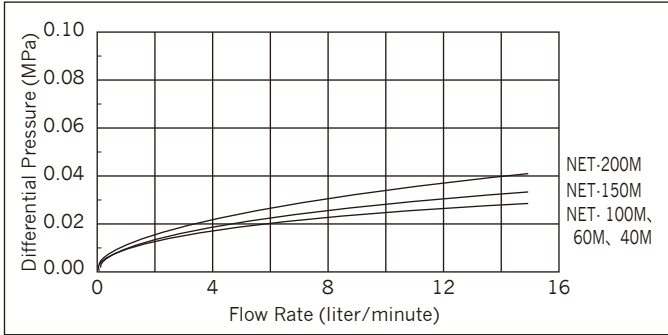


Ez-Change™

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

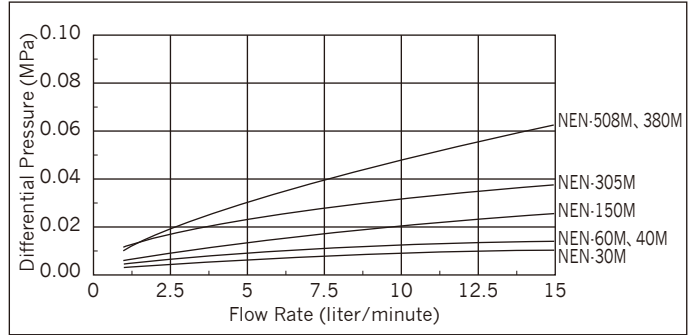
Differential Pressure vs Flow Rate

NET Fluid: CMC (10,000cP)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

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Cartridge Length: 250mm



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

Ordering Information

250	L	NET	100	M	E	F	B
[Nominal Length]		[Product Type]	[Micron Rating]		[Gasket/O-Ring]	[End Cap Code]	[Packaging Code]
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		NET NEN	30M 200M 40M 305M 60M 380M 100M 508M 150M		S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	F = D.O.E 0 = 2-222 O-Ring 5 = 2-222 O-Ring+Fin 7 = 2-226 O-Ring+Fin	B = 6pcs C = 10pcs F = 25pcs

Specification

Product Type		NET	NEN
Grade Opening Size (μm)		—	30M / 600μm
		40M / 526μm	40M / 450μm
		60M / 351μm	60M / 280μm
		100M / 224μm	—
		150M / 143μm	150M / 108μm
		200M / 112μm	200M / 77μm
		—	305M / 48μm
		—	380M / 32μm
E.F.A. (m ² /250L)		0.23(40M~100M) / 0.30(150M~200M)	0.23(30M~60M) / 0.30(150M~508M)
Dimensions	Length (mm)	125 / 250 / 500 / 750	
	O.D. (mm)	70.0	
	I. D. (mm)	26.1 (for F) / 25.6 (for 0, 5) / 30.0 (for 7)	
Materials Media	Media	Polyethylene	Polyamide
	Support	Polyethylene	
	Core	Polypropylene	
	End Cap	Polypropylene	
	Gasket/O-Ring	NBR / EPDM / Silicone / FKM / FEP Encapsulated FKM (for 0, 5, 7) / PTFE (for F)	
Maximum ΔP (MPa)at 20°C		0.49	
Maximum Operating Temp. (°C)		80	

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

The products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.



Scope: Manufacture of Filter cartridges

End Cap Code



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