

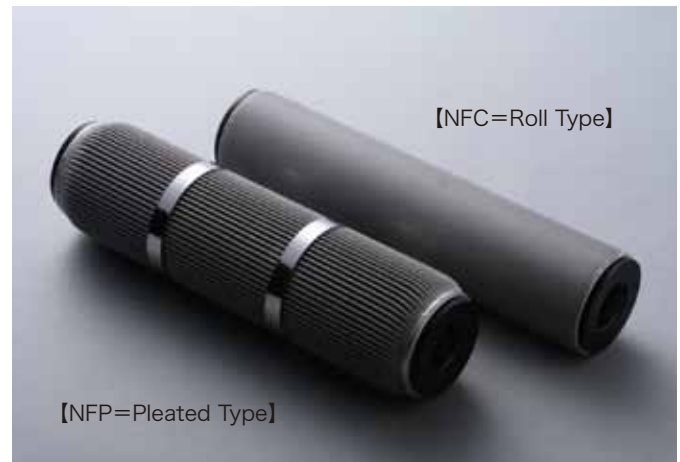
NFC • NFP Type

(Sintered nonwoven fiber [SUS Media])

A stainless fine fiber is accumulated and sintered. The filtration with high efficiency is possible compared with a conventional sintered stainless mesh material.

Features

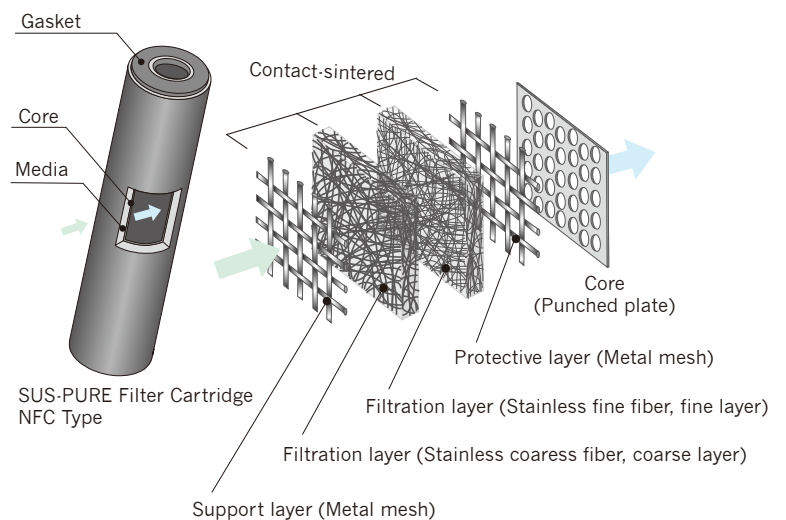
- Unlike conventional sintered wire mesh media filtration with very high removal efficiency is offered, since stainless steel micro-fibers are layered and sintered.
- The media is free from transformation because of the strong, sintered structure, and high removal efficiency is provided even in filtration of high viscosity fluids and under high differential pressure.
- There is no concern about fiber migration, since fibers are welded tightly.
- The filter cartridges with the media made of SUS316, which shows excellent thermal and chemical compatibility, can be used for versatile application.



Major Applications

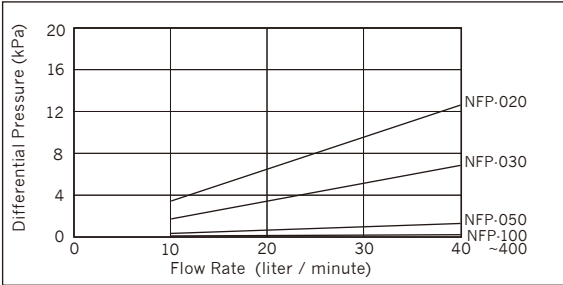
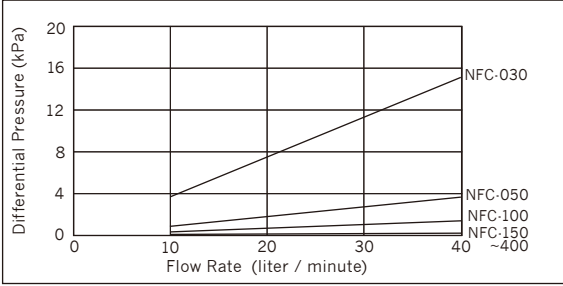
- Various high temperature fluids
- Air and steam
- Paints
- Various high viscosity fluids

Materials of Construction



Differential Pressure vs Flow Rate

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



※The data do not include piping pressure drop.

Particle Removal Efficiency

Particle Size (μm)	NFC Particle Removal Efficiency (%)							
	030	050	100	150	200	250	300	400
3.0	98.4							
5.0	99.9	99.7						
10	>99.9	99.9	97.7					
15		>99.9	99.8	96.7	90.7			
20			>99.9	99.9	97.7	95.9		
25				>99.9	>99.9	99.8	98.5	86.9
30						>99.9	99.8	93.7
40							>99.9	99.0

Particle Size (μm)	NFP Particle Removal Efficiency (%)								
	020	030	050	100	150	200	250	300	400
2.0	94.5								
3.0	99.8	98.4							
5.0	>99.9	99.9	99.7						
10		>99.9	99.9	97.7					
15			>99.9	99.8	96.7	90.7			
20				>99.9	99.9	97.7	95.9		
25					>99.9	>99.9	99.8	98.5	86.9
30							>99.9	99.8	93.7
40								>99.9	99.0

<Test Condition>

Equipment: Particle Counter in Liquid
Filtration: Single Pass

Fluid: Refined Water
Flow Rate: 10 liter/minute
Dust: ACFTD+LATEX Beads

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

Ordering Information

250	L	NFC	-	030	E	F	A
↓		↓		↓	↓	↓	↓
[Nominal Length] 125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		[Product Type] NFC = Roll Type NFP = Pleated Type		[Micron Rating] 020*1 = 2.0μm 150 = 15μm 030 = 3.0μm 200 = 20μm 050 = 5.0μm 250 = 25μm 100 = 10μm 300 = 30μm 400 = 40μm	[Gasket/O-Ring] S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) Foamed PTFE (for F)	[End Cap Code] F = Double Open Ends 0 = 2-222 O-Ring 5 = 2-222 O-Ring+Fin 7 = 2-226 O-Ring+Fin	[Packaging Code] A = 1pc

※1 NFP Type Only

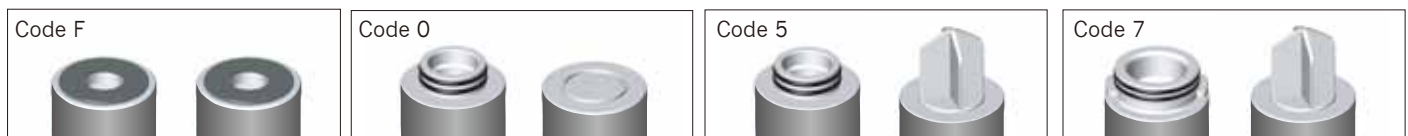
Specification

Product Type	NFC • NFP								
	020*1	030	050	100	150	200	250	300	400
Grade	020*1	030	050	100	150	200	250	300	400
Micron Rating (μm)	2.0	3.0	5.0	10	15	20	25	30	40
E.F.A. (m ² /250L)	0.04 (NFC) / 0.10 (NFP)								
Dimensions	Length (mm)	125 / 250 / 500 / 750							
	O.D. (mm)	58.5 (NFC) / 66.5 (NFP)							
	I. D. (mm)	26.0 (for F) / 33.0 (for 0, 5) / 39.0 (for 7)							
Materials Media	Media	SUS316L							
	Core	SUS316							
	End Cap	SUS316							
	Gasket/O-Ring	Silicone / EPDM / NBR / FKM / FEP Encapsulated FKM (for 0, 5, 7) / Foamed PTFE (for F)							
Maximum ΔP (MPa)at 20°C	0.86 (Forward flow) / 0.07 (Opposite flow)								

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

※1 NFP Type Only

End Cap Code



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