NSC • NSP Type

(Sintered woven wire mesh [SUS Media])

There is no change in the pore size of the media even in the filtration of high viscosity fluids or under high differential pressure because of the use of contact-sintered stainless steel mesh unlike conventional strainers. Therefore stable can be offered. The high cleaning performance of this filter and the high strength of the stainless steel mesh part allow the repeated use of the filter.

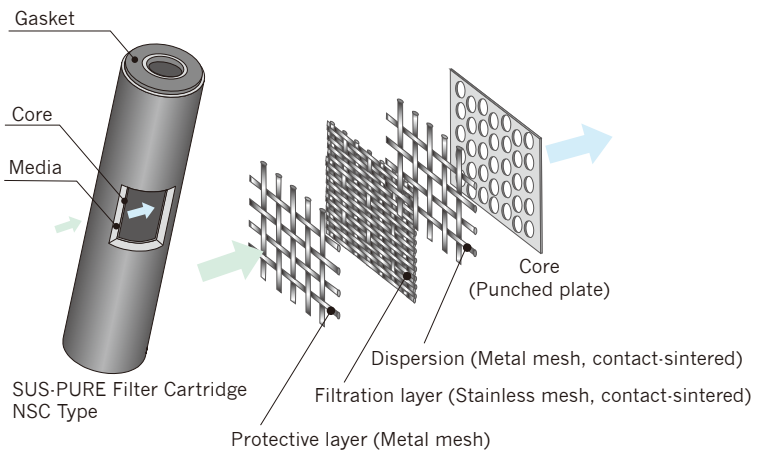
Features

- There is no change in the pore size of the media even in the filtration of high viscosity fluids or under high differential pressure because of the use of contact-sintered stainless steel mesh unlike conventional strainers. Therefore stable can be offered.
- The high cleaning performance of this filter and the high strength of the stainless steel mesh part allow the repeated use of the filter.
- These filter cartridges with the media made of SUS316, which shows excellent thermal and chemical compatibility, can be used for versatile application.

Major Applications

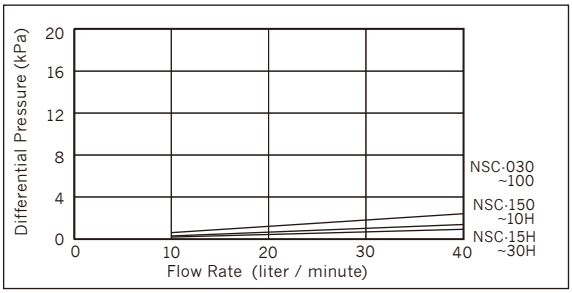
- Various high temperature fluids
- Air and steam
- Various high viscosity fluids
- Paints
- Industrial water

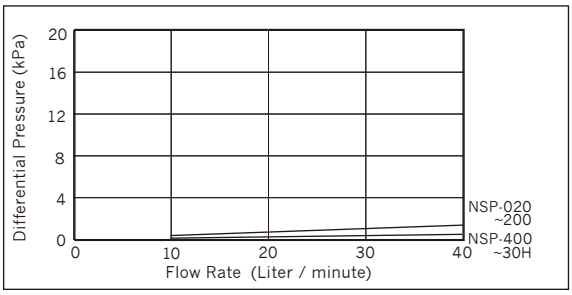
Materials of Construction



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)	NSC Particle Removal Efficiency (%)									
	020	050	100	150	200	400	750	10H	15H	30H
2.0										
5.0										
10	81.4	76.0								
15	99.5	98.5	88.1	83.2						
20	>99.9	>99.9	96.2	93.6	91.1	47.0	17.1	10.9	8.0	4.0
40			>99.9	>99.9	99.9	95.4	49.7	28.5	23.8	18.3
75					>99.9	>99.9	79.3	63.6	52.0	43.9

Particle Size (μm)	NSP Particle Removal Efficiency (%)									
	020	050	100	150	200	400	750	10H	15H	30H
2.0										
5.0										
10	81.4	72.0								
15	99.5	98.5								
20	>99.9	>99.9	70.0							
40			>99.9	99.9	97.5	56.0	49.7	28.5	23.8	18.3
75				>99.9	>99.9	>99.9	79.3	63.6	52.0	43.9

〈Test Condition〉

Equipment: Particle Counter in Liquid
Filtration: Single Pass
Fluid: Refined Water
Flow Rate: 10 liter/minute
Dust: NSC→RADIOLITE #800 (NSC-020,050→ACFTO+LATEX Beeds)
NSP→ACFTD+LATEX Beads (NSP-750,10H,15H,30H→RADIOLITE #800)

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

Ordering Information

250L–NSC–020E F A

[Nominal Length]
125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm

[Product Type]
NSC = Roll Type
NSP = Pleated Type

[Micron Rating]
020 = 2.0μm 400 = 40μm
050 = 5.0μm 750 = 75μm
100 = 10μm 10H = 100μm
150 = 15μm 15H = 150μm
200 = 20μm 30H = 300μm

[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

Specification

Product Type		NSC • NSP									
Grade		020	050	100	150	200	400	750	10H	15H	30H
Micron Rating (μm)		2.0	5.0	10	15	20	40	75	100	150	300
E.F.A. (m^2/250L)		0.04 (NSC) / 0.15 (NSP)									
Dimensions	Length (mm)	125 / 250 / 500 / 750									
	O.D. (mm)	58.5 (NSC) / 66.5 (NSP)									
	I. D. (mm)	26.0 (for F) / 33.0 (for 0, 5) / 39.0 (for 7)									
Materials Media	Media	SUS316									
	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.

End Cap Code

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

ROKI TECHNO CO., LTD.
6-20-12, Minami-Ohi, Shinagawa-ku Tokyo, 140-8576 Japan TEL: +81-3-5764-1131 FAX: +81-3-5764-0681
www.rokitechno.com

0KAH30140000-07