

## NSC • NSP Type

(Sintered woven wire mesh [SUS Media])

### Major Applications

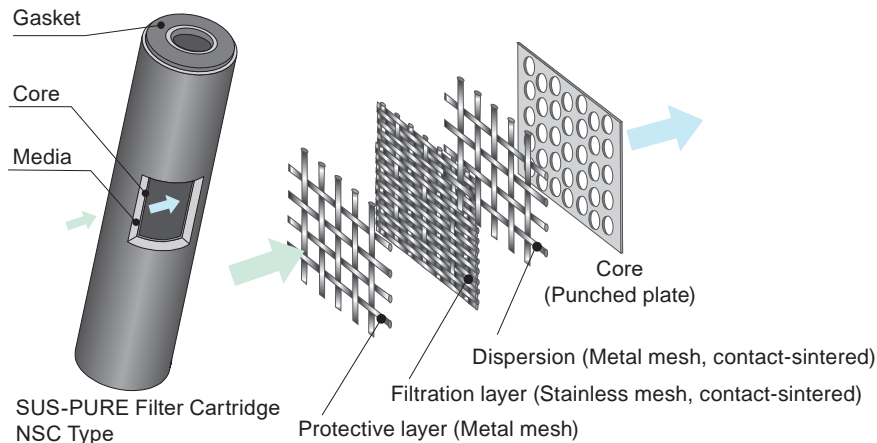
- Various high temperature fluids
- Air and steam
- Various high viscosity fluids
- Paints
- Industrial water

### Features & Benefits

- **Stable filtration is possible from beginning to end**
  - Uses a contact-sintered stainless steel mesh.
  - Unlike conventional strainers, there is no change in hole diameter.
- **Strong sintered structure**
  - Highly viscous fluid filtration and stable filtration efficiency even under high differential pressure
  - Easy to clean and can be used repeatedly.
  - Microfiltration is possible by forming a cake layer.
- **Excellent heat and chemical resistance**
  - SUS316L is used for the filter media and SUS316 is used for the core and end cap materials.



### Materials of Construction



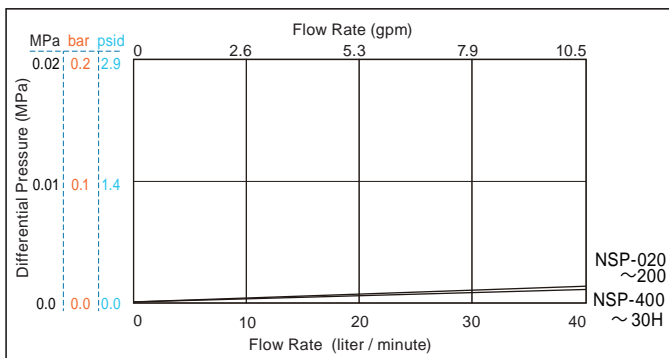
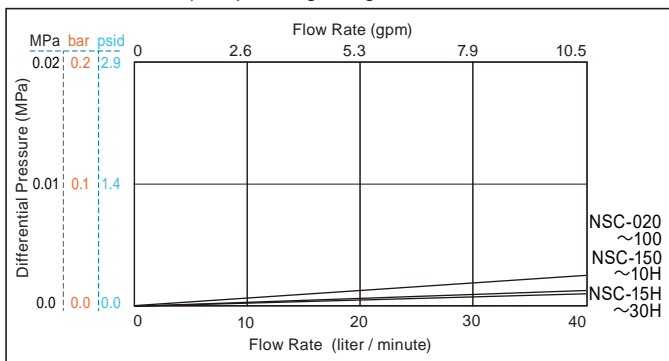
### Specification

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 <sup>2</sup> /250L)		0.04 (NSC) / 0.10 (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	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(8.6bar, 124psid) (Forward flow) / 0.07(0.7bar, 10psid) (Opposite flow)									

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

## Differential Pressure vs Flow Rate

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



\* The data does 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>

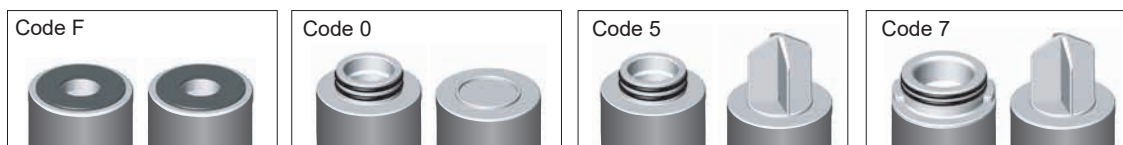
Equipment: Particle Counter in Liquid Dust: NSC-020,050→ACFTO+LATEX Beads  
 Filtration: Single Pass NSC-100~30H→RADIOLITE #800  
 Fluid: Refined Water NSP-020~400→ACFTD+LATEX Beads  
 Flow Rate: 10 liter/minute NSP-750~30H→RADIOLITEACFTD+LATEX Beads

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

## Ordering Information

2 5 0	L	-	N S C	-	0 2 0	E	F	A
↓			↓			↓		
[ Nominal Length ]			[ Product Type ]			[ Micron Rating ]		
125 = 125mm			NSC = Roll Type			020 = 2.0μm 400 = 40μm		
250 = 250mm			NSP = Pleated Type			050 = 5.0μm 750 = 75μm		
500 = 500mm						100 = 10μm 10H = 100μm		
750 = 750mm						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)		
						A = Foamed PTFE(for F)		
						[ End Cap Code ]		
						F = Flat Gaskets		
						0 = 2-222 O-Ring		
						5 = 2-222 O-Ring+Fin		
						7 = 2-226 O-Ring+Fin		
						[ Packaging Code ]		
						A = 1pc		

## End Cap Code



Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.



Scope: Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.

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