

Metal Type
(Sintered woven wire mesh)



SUS-PURE

NSC • NSP Type

Major Applications

- High temperature liquid/gas
- Melted resin
- Resin dissolving liquid
- Chemicals

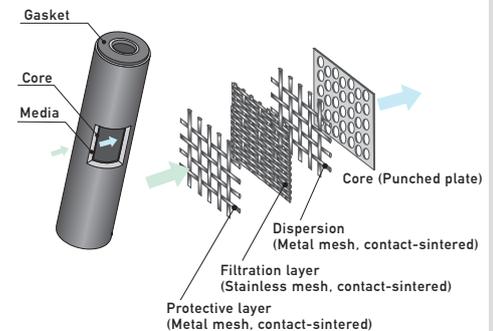
Features

- Stainless steel sintered mesh filter media
- Lineup of roll and pleated types
- All stainless steel

Advantages

- High cleaning recovery
- Can be used for different purposes
- Excellent heat resistance and chemical resistance
- Can be used repeatedly by regenerative cleaning

Structure



Specifications

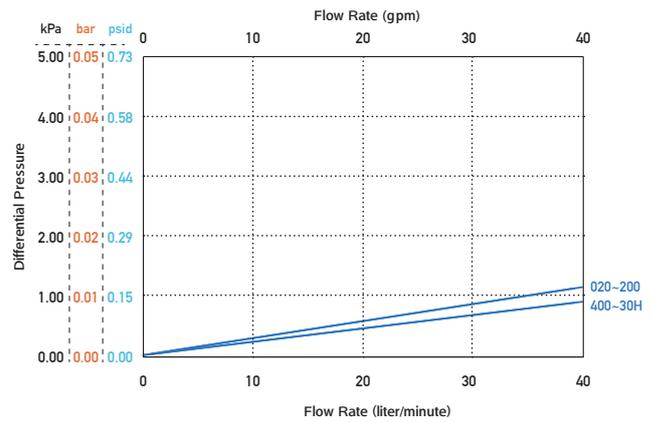
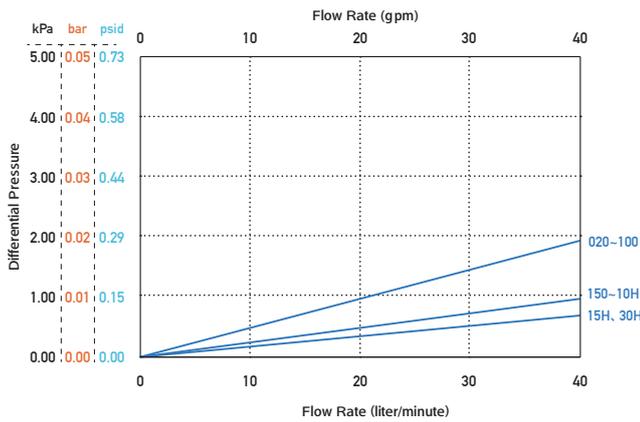
	020	050	100	150	200	400	750	10H	15H	30H
Grades	020	050	100	150	200	400	750	10H	15H	30H
Micron Ratings (μm)	2.0	5.0	10	15	20	40	75	100	150	300
E.F.A.	0.04 (NSC) / 0.15 (NSP) $\text{m}^2/250\text{mm}$									
Media	SUS316L									
Materials Core	SUS316									
End Cap	SCS14									
Maximum ΔP	0.86 (8.6bar, 124psid) (Forward flow) / 0.07 (0.7bar, 10psid) (Opposite flow) MPa at 20°C (68°F)									
Length	125 / 250 / 500 / 750 mm									
O.D.	58.5 (NSC) / 66.5 (NSP) mm									
I.D.	26.0 (for F) / 33.0 (for 0.5) / 39.0 (for 7) mm									

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

Differential Pressure vs Flow Rate

NSC Type
Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm

NSP Type
Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



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	86.8	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 Conditions

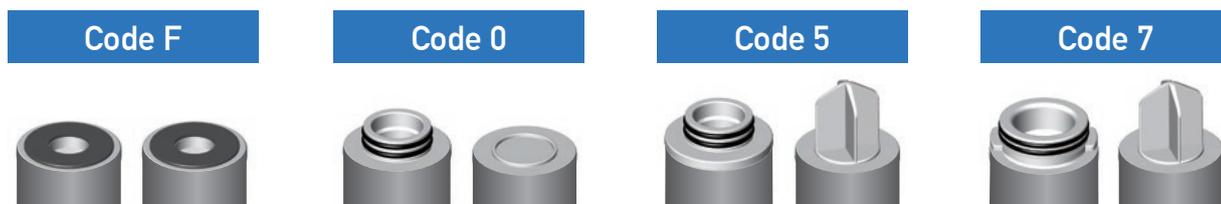
Equipment : Liquid Particle Counter
 Filtration : Single Pass
 Fluid : Refined Water
 Flow Rate : 10 liter/minute
 Dust : ACFTD+LATEX Beads
 (NSC-020~050, NSP-020~400)
 Diatomaceous earth
 (NSC-100~30H, NSP-750~30H)

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0 L	N S C	0 2 0	E	F	A
125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm	NSC = Roll Type NSP = Pleated Type	020 = 2.0 μm 400 = 40 μm 050 = 5.0 μm 750 = 75 μm 100 = 10 μm 10H = 100 μm 150 = 15 μm 15H = 150 μm 200 = 20 μm 30H = 300 μm	S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) A = Foamed PTFE (for F) Y = FKM for high temperature (for F) *	F = Flat Gaskets 0 = 2-222 O-Ring 5 = 2-222 O-Ring + Fin 7 = 2-226 O-Ring + Fin	1 pc

*For rust removal applications in steam, select FKM (Gasket code Y) for high temperature and Code F.

End Cap Code



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

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.

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For our technical information, please click here. ▼



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.



21st Issue
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