


**SUS-PURE**

# NFC • NFP Type

## Major Applications

High temperature liquid/ gas

Melted resin

Resin dissolving liquid

Other various chemicals

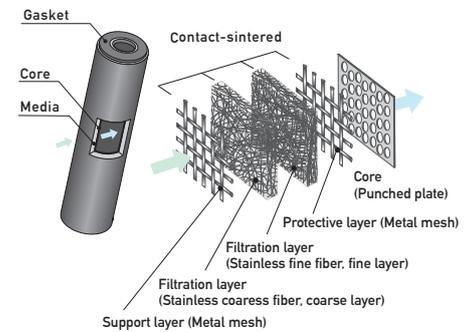
### Features

- Sintered stainless fiber filter media
- Lineup of roll and pleated types
- All stainless steel

### Advantages

- High filtration efficiency and low differential pressure
- Can be used for different purposes
- Excellent heat resistance and chemical resistance
- Can be used repeatedly by regenerative cleaning

### Structure



## Specifications

	020※1	030	050	100	150	200	250	300	400
Grades									
Micron Ratings ( $\mu\text{m}$ )	2.0	3.0	5.0	10	15	20	25	30	40
E.F.A.	0.04 (NFC) / 0.10 (NFP) $\text{m}^2/250\text{m m}$								
Media	AISI316L								
Materials Core	SUS316								
End Cap	SCS14								
Maximum $\Delta\text{P}$	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 (NFC) / 66.5 (NFP) mm								
I.D.	26.0 (for F) / 33.0 (for 0.5) / 39.0 (for 7) mm								

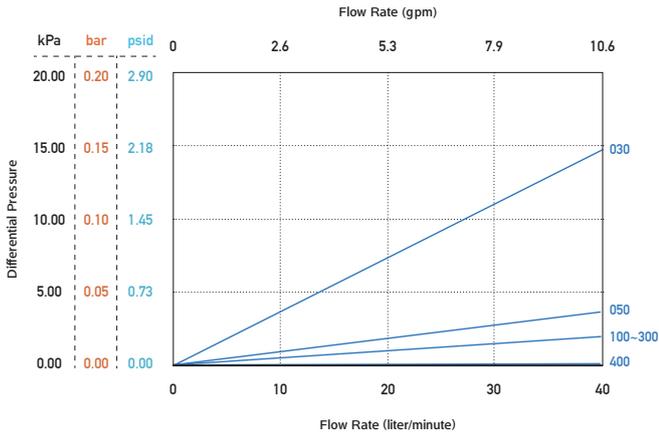
\* If you need further information on specifications (length, end cap type, etc.), please contact us.

※1 NFP Type Only

# Differential Pressure vs Flow Rate

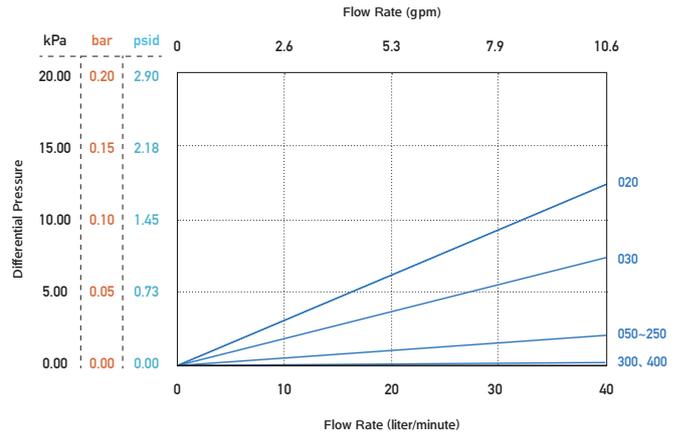
NFC

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



NFP

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



# Particle Removal Efficiency

Grades Particle Size (μm)	NFC Particle Removal Efficiency (%)							
	030	050	100	150	200	250	300	400
3.0	>99.9							
5.0		>99						
10		>99.9	>98					
15			>99.9	>95				
20				>99	>95			
25				>99.9	>99.9	>99		
30						>99.9	>99	
40							>99.9	>99

Grades Particle Size (μm)	NFP Particle Removal Efficiency (%)								
	020	030	050	100	150	200	250	300	400
2.0	>94								
3.0	>99	>98							
5.0	>99.9	>99.9	>99						
10			>99.9	>98					
15				>99.9	>97				
20				>99.9	>98				
25					>99.9	>99			
30						>99.9	>99		
40							>99.9	>98	

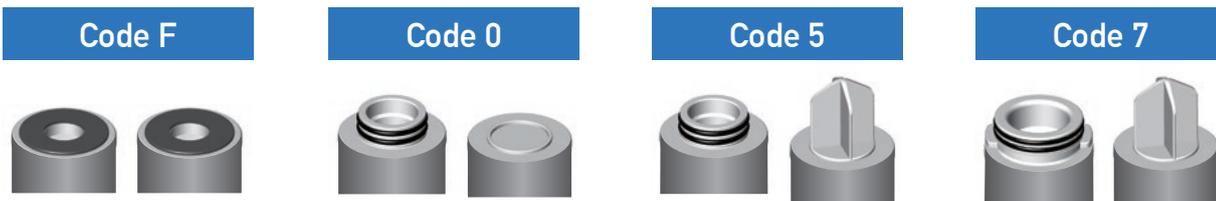
### Test Conditions

Equipment : Liquid Particle Counter  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : ACFTD + LATEX Beads

# Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0 L	- N F C -	0 3 0	E	7	A
▼	▼	▼	▼	▼	▼
125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm	NFC = Roll Type NFP = Pleated Type	020 = 2.0 μm    150 = 15 μm *1 NFP Type Only    200 = 20 μm 030 = 3.0 μm    250 = 25 μm 050 = 5.0 μm    300 = 30 μm 100 = 10 μm    400 = 40 μm	S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) A = Foamed PTFE (for F)	F = Flat Gaskets 0 = 2-222 O-Ring 5 = 2-222 O-Ring + Fin 7 = 2-226 O-Ring + Fin	1pc

# 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

NFC\_NFP200716E