


**SUS-PURE**

# NFC<sub>Type</sub>

## Major Applications

**Air, Steam**
**Examples: Rust in steam piping,  
Scale, Particulate removal**

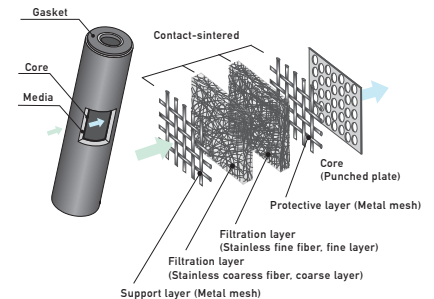
### Features

- Sintered stainless fiber filter media
- Multi-layered structure with coarse filtration layer and fine filtration layer with high porosity

### Advantages

- Excellent differential pressure vs. flow rate
- Low risk of stainless steel fiber leakage
- Can be used repeatedly by regenerative cleaning
- Long service life

### Structure



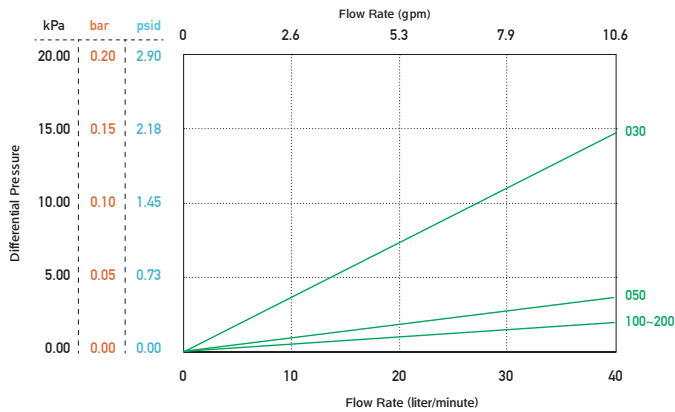
## Specifications

	030	050	100	150	200
Grades	030	050	100	150	200
Micron Ratings ( $\mu\text{m}$ )	3.0	5.0	10	15	20
E.F.A.	0.04m <sup>2</sup> /250mm				
Media	AISI316L				
Materials	Core SUS316				
End Cap	SCS14				
Maximum $\Delta P$	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.	58.5mm				
I.D.	26.0mm				

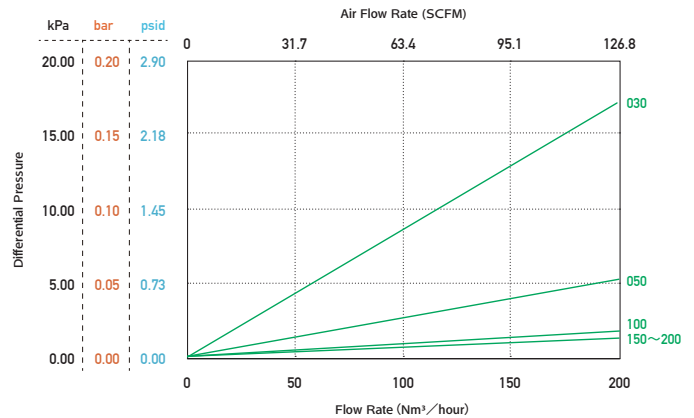
\*If you need further information on specifications (length, end cap type, etc.), please contact us.

## Differential Pressure vs Flow Rate

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



Fluid: Air / Cartridge Length: 250mm



\*SCFM: Temperature 21.1°C (70°F), Humidity: 0% RH, Standard pressure (101.3kPa)

## Particle Removal Efficiency

Grades Particle Size (μm)	Refined Water Particle Removal Efficiency (%)				
	030	050	100	150	200
3.0	>99.9				
5.0		>99			
10		>99.9	>98		
15			>99.9	>95	
20				>99	>95
25				>99.9	>99.9

### Test Conditions

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

Grades Particle Size (μm)	Clean Air Particle Removal Efficiency (%)				
	030	050	100	150	200
0.3	>99.9				
0.6		>99.9			
4.0			>99.9		
6.0				>99.9	
7.0					>99.9

### Test Conditions

Equipment : Air Particle Counter  
 Filtration : Single Pass  
 Fluid : Clean air  
 Flow Rate : 1 liter/minute  
 Dust : JIS 11 type

## Ordering Information

Length	Product Type	Micron Rating	Gasket	End Cap Code	Packaging Code
<b>250 L</b>	<b>-NFC-</b>	<b>030</b>	<b>Y</b>	<b>F</b>	<b>A</b>
125 = 125 mm		030 = 3.0 μm	Y = FKM for high temperature	F = Flat Gaskets	1pc
250 = 250 mm		050 = 5.0 μm			
500 = 500 mm		100 = 10 μm			
750 = 750 mm		150 = 15 μm			
		200 = 20 μm			

## End Cap Code

Code F



\*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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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.



JQA-QMA16323

MS CM009

7th Issue  
 NFC200734LE