Elements Sintered Metal/Fiber

Nonstandard elements of the FQ1 series can also be used commonly. (For details, refer to Nonstandard Elements on page 84. Also, refer to page 3 for selection.)

Sintered Metal Filter Elements

- Outstanding mechanical strength, heat resistance and chemical resistance.
- Formed by sintering finely powdered metal, so a high filtration accuracy can be obtained.
- Even if clogging progresses, the element can be reused by cleaning.
- Main applications

Ideal as a check filter for keeping fluid clean. All types of gases, fluids, general solvents and high-temperature fluids



The bronze element may be discolored by the moisture included in the atmosphere, but this does not affect the characteristics.

Specifications

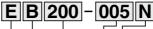
openious:				
	Bronze	Stainless steel 316		
e (C°) Note 2)	0 to 150	0 to 150		
Nominal filtration accuracy (μm) Note 3) 1, 2, 5, 10, 20, 40, 70, 100, 120		40, 70, 100, 120		
lifferential pressure resistance 0.7 MPa		MPa		
lement replacement differential pressure 0.1 MPa		MPa		
Acid	Cannot be used.	Can be used. Note 1)		
Alkali	Cannot be used.	Can be used.		
w to Order	В	S		
	ey (µm) Note 3) e resistance etial pressure Acid Alkali	g (C*) Note 2) 0 to 150 gy (µm) Note 3) 1, 2, 5, 10, 20, 4 resistance 0.7 tital pressure 0.1 Acid Cannot be used. Alkali Cannot be used.		

Note 1) Cannot be used with hydrochloric acid, hydrofluoric acid or phosphoric acid.

Note 2) Varies depending on the seal material used.

Note 3) The name is for distinguishing the raw material, and is different from the actual filtration rating. (Refer to 11. Nominal filtration accuracy on page 118.)

How to Order Elements



Element symbol

Symbol Element material

B Bronze

S Stainless steel 316

Flement size

Element size			
Symbol	Element size		
100	ø65 x L250		
200	ø65 x L500		
300	ø65 x L750		
400	ø65 x L1000		

Seal material/Operating temperature range

FGD

FGE

FGG

FGA

FGC

FGF

FGH

FQ1

EB

ES

Symbol	Seal material	Operating temperature range (°C)
A Note)	Non-asbestos	0 to 150
Т	Fluororesin	0 to 120
N	NBR	0 to 80
V	FKM	0 to 120

Note) Not possible with bronze elements

Nominal filtration accuracy (μm

Nominal filtration accuracy (μm) 1
1
2
5
10
20
40
70
100
120

Fiber Elements

- Four types of materials with different characteristics are available so the filters are applicable to any application.
- Elements are economical because particle capturing capacity is excellent, and element life is long.
- Elements are disposable so maintenance and replacement are easy.

Main applications

Cotton	Cleaning water, General neutral fluids, General solvents, Dry air
Polypropylene	Plating fluids, General acids, Alkali fluids, Industrial water, Cooling water
Glass fiber	Acid fluids, High-temperature fluids



Specifications

- Pooling autorio					
Material	Material Core material		Nominal filtration accuracy (μm)	Differential pressure resistance (Max.)	Element replacement differential pressure
Cotton	Stainless steel 304	-20 to 100	0.5, 1, 5, 10, 20, 50, 75, 100		
Polypropylene Polypropylene		0 to 60	0.5, 1, 5, 10, 20, 50, 75, 100	0.2 MPa	0.1 MPa
Glass fiber	Stainless steel 316	0 to 400	1, 5, 10, 20		

Note) Size for all is ø65 x L250. Different lengths are available as a special order up to 750 mm, only for cotton and polypropylene.

Elements Part No. List

Element	material	Cotton	Polypropylene	Glass fiber
Core	material	Stainless steel 304	Polypropylene	Stainless steel 316
_	0.5	EH10G	EHM10A	_
rac)	1	EH39R10GV	EHM39R10AY	EHK27R10S
accu	5	EH23R10GV	EHM23R10AY	EHK19R10S
io e	10	10 EH19R10GV	EHM19R10AY	EHK15R10S
Nominal filtration accuracy (μm)	20	EH15R10G	EHM15R10A	EHK10R10S
lal t	50	EH11R10G	EHM11R10A	_
im o	75	EH10R10G	EHM10R10A	_
2 100		EH8R10G	EHM8R10A	_
	category of to Order	н	Т	G

Note) Element seals are not used for fiber elements.

