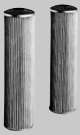
active in all fields of industry.

Filters

into any type of vessel for SMC filters.
suited to the application in the vessel.

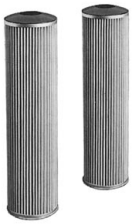
Elements

Element	Series	Material	Nominal filtration accuracy (μm)	Main applications	Page
Sintered metal	**EB**	Bronze	1, 2, 5, 10 20, 40, 70 100, 120	All types of gases/liquids, General solvents, High-temperature fluids	P.1158
	ES	Stainless steel 316	1, 2, 5, 10 20, 40, 70 100, 120		
Fiber (Honeycomb)	**EH**	Cotton	0.5, 1, 5, 10 20, 50, 75, 100	General solvents, General neutral fluids	P.1158
	EHM	Polypropylene	0.5, 1, 5, 10 20, 50, 75, 100	Plating fluids, General acids, Alkali fluids, Industrial water, Cooling water	
	EHK	Glass fiber	1, 5, 10, 20	General acids, High-temperature fluids	
Paper 	**EP**	Cotton, Phenol impregnated, (Epoxy adhesion)	5, 10, 20	Hydraulic oil, Lubricating oil, Fuel oil	P.1159
Micromesh	**EM100**	Stainless steel 304 (Epoxy adhesion)	5, 10, 20, 40 74, 105	All types of gases/liquids, High-temperature fluids	P.1159
	EM500	Stainless steel 316	5, 10, 20, 40 74, 105		

Standard Elements
Paper / Micromesh

Paper Elements

- **Cartridges are pleated for a large filtration area, and elements are economical due to their long service life.**
- **Main applications**
  Ideal for filtration of hydraulic oil, lubricating oil, fuel oil, oils for the liquid gas industry, dry inert gases, and dry air.



Specifications

Material	Filter paper (Cotton, Phenol resin impregnated paper)
Operating temperature (C°) Note 2)	0 to 80
Nominal filtration accuracy (μm)	5, 10, 20
Max. differential pressure resistance	0.6 MPa
Jointing material	Epoxy resin
Element replacement differential pressure	0.1 MPa
Element category of How to Order	P

How to Order Elements

EP 200 – 010 N

Paper element

Element size

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

Seal material

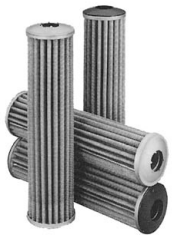
Symbol	Seal material
N	NBR
V	FKM

Nominal filtration accuracy (μm)

Symbol	Nominal filtration accuracy (μm)
005	5
010	10
020	20

Micromesh Elements

- **Stainless steel metal mesh has high filtration accuracy.**
- **Outstanding heat and chemical resistance. Applicable to a wide range of applications.**
- **Pleated type has 3 times the filtration area of a cylinder.**
- **Filters are economical because they can be cleaned and repeatedly used.**
- **Main applications**
  Please use 40 microns or less as a high-precision filter, and 74 microns or higher as a high-grade strainer. All types of gases and fluids, high-temperature fluids.



Specifications

Model		EM100	EM500
Materials		Stainless steel 304	Stainless steel 316
Jointing material		Epoxy resin	—
Operating temperature (C°) Note 2)		0 to 100	0 to 150
Nominal filtration accuracy (μm)		5, 10, 20, 40, 74, 105	
Max. differential pressure resistance		0.7 MPa	
Element replacement differential pressure		0.1 MPa	
Chemical resistance	**Acid**	Cannot be used.	Can be used. Note 1)
	Alkali	Can be used.	Can be used.
Element category of How to Order		M	L

Note 1) Cannot be used with hydrochloric acid, hydrofluoric acid or phosphoric acid.
Note 2) Varies depending on the seal material used.

How to Order Elements

EM 500 – 074 A

Micromesh element symbol

Group symbol

Symbol	Group symbol
100	Stainless steel 304
500	Stainless steel 316

Nominal filtration accuracy (μm)

Symbol	Nominal filtration accuracy (μm)
005	5
010	10
020	20
040	40
074	74
105	105

(Size ø65 x L250)

Seal material/Operating temperaturerange

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

Note) Not possible with EM100 (Stainless steel 304)