

Industrial Filter

FGA Series

(Produced upon receipt of order)

How to Order

FGA C 04 A - 10 - B 002 N

Wetted parts material (Vessel)

Symbol	Wetted parts material
C	SS400
S	Stainless steel 304

Element seal material ^(Note)

Symbol	Element seal material
A	Non-asbestos
T	Fluororesin
N	NBR
V	FKM

(Note) Refer to the below table for the element seal material types by the element category.

Number of arranged elements

Symbol	Number of arranged elements
04	4
07	7
09	9
18	18
22	22
29	29
34	34
37	37
53	53
83	83

Element length

Symbol	Element length
A	L250
B	L500 (L250 x 2)
C	L750 (L250 x 3)
D	L1000 (L250 x 4)

Port size

Symbol	Port size
10	25 (1 ^B)
14	40 (1 1/2 ^B)
20	50 (2 ^B)
24	65 (2 1/2 ^B)
30	80 (3 ^B)
40	100 (4 ^B)
60	150 (6 ^B)

(Note) The connection method is JIS 10KFF flange connection.

Nominal filtration accuracy (μm) ^(Note)

Symbol	Nominal filtration accuracy (μm)
X50	0.5
001	1
002	2
005	5
010	10
020	20
040	40
050	50
070	70
074	74
075	75
100	100
105	105
120	120

(Note) For a comparison with the nominal filtration accuracy according to the element category, refer to pages 41 and 42.

Element category

Symbol	Element type	Material
B	Sintered metal	Bronze
		Stainless steel
S	Fiber	Polypropylene
T		Glass fiber
G		Cotton
H		Cotton
P	Paper	
M	Micromesh	Stainless steel 304/Epoxy
		Stainless steel 316



Element/Element Seal Material Combinations

Element material	Element seal material	Element seal material				
		Nil (Without seal)	Non-asbestos	PTFE	NBR	FKM
		A	T	N	V	
B Bronze		○	○	○	○	
S Stainless steel		○	○	○	○	
T Polypropylene	○					
G Glass fiber	○					
H Cotton (Fiber)	○					
P Cotton (Paper)				○	○	
M Stainless steel 304/Epoxy				○	○	
L Stainless steel 316		○	○	○	○	

- Various types of elements can be selected according to the "filtration conditions," and the unit can be used for a wide range of applications.
- This type has a vertical structure, so there is little loss of "filtrate."
- Maintenance — element replacement in particular is easy.
- When used for a gas, the product is handled as a class 2 pressure vessel compliant special order product. (Except for products with an internal capacity of less than 40 L) ^(Note 7)
- Confirm the lead time with each order.

$$\text{Note 1) (Necessary number of elements)} = (\text{Number of arranged elements}) \times \frac{(\text{Element length})}{(\text{Length per element})}$$

Calculation example) If the number of arranged elements is 7, the element length is L500, and length per element is L250, then:
(Necessary number of elements) = 7 × $\frac{500}{250}$ = 14

- Note 2) The industrial filter/vessel series described in this catalog are products in which an element is incorporated into a vessel.
- Note 3) To order only an element (replacement part), refer to "How to Order" on pages 41 and 42.
- Note 4) When ordering only a vessel (replacement part), delete each symbol for "Element category", "Nominal filtration accuracy (μm)" and "Element seal material" from the above "How to Order".
- Note 5) Please use industrial filters in combination with parts made by SMC (vessels, elements etc.).
- Note 6) For the "FGAS" model, carbon steel is used and coated with silver in locations except for wetted parts material.
- Note 7) For details about the internal capacity, refer to the dimensions on page 37.