peiro, s.a.

CLEAL®
GF FILTER Cartridges

Self-Bonding Binder-Free Cartridge Filter

Specifications

Media : Polyethylene and Polypropylene
End Parts : Polypropylene
O-ring : NBR, EPDM, Silicone,
FKM (Fluorine Rubber)
E-FKM (Encapsulated Fluorine Rubber)

Filtration rate

Nominal : 1, 3, 5, 10, 25, 50,
75, 100 micron

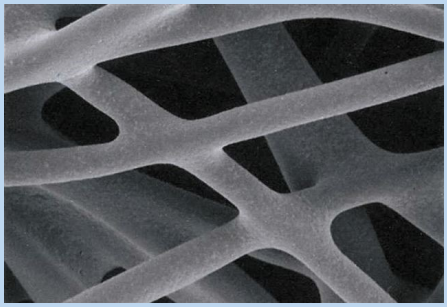
Dimension

Double open ended:
ID x OD x Length
30mm x 62mm x 250, 500, 750, 1000 mm

Single open ended:
ID x OD x Length
25mm x 70mm x 10”, 20”, 30”, 40”

Operating Conditions

Maximum Operating Temperature:
80°C (175°F)
Replacement Differential Pressure:
1.5bar (22psi)
Maximum Differential Pressure:
5.5bar (80psi) @ 20°C (68°F)



Features

Structure

Only polyolefin thermally bonded bi-component fibers (ES fibers) are used, and the fiber-to-fiber bond forms a stable porosity.

Advantages

- The ES fibers uniquely developed and patented by JNC are used, and the fiber-to-fiber bond at each contact point featuring integral rigid thermally bonded construction enables consistent filtration and eliminates pore size variability and media migration.
- The density graded construction provides long service life.
- The simple but clean and rigid structure utilizing state-of-the-art fiber technology allows for longer service life and higher throughputs.
- A rigid filter structure of fused ES fibers in a three dimensional network with a high tolerance for differential pressure is achieved.
- The diameter of the structural fibers is changed for every grade, and the grades are clearly differentiated from a nominal filtration size of 1µm to 200µm.
- FDA approved materials are used, enabling clean filtration.

Quality

- GF medium Complies with CFR 21 FDA regulations
- Complies with RoHS regulations
- Complies with REACH regulations
- NSF certified elements of DOE type
- Production at ISO 9001 certified factory
- Production at ISO 14001 certified factory

Application

General Industry :
Cleaning water, pre-filter for ultra pure water etc.
Chemicals :
Paint Ink Resins Adhesives Catalysts Solvents Surfactants etc.
Food & Beverages :
Tea, Juices, Wine, Spirits, Soy sauce, Soups, Vinegar, Syrup etc.
Electronics :
Pure water, Optical films, PCB, FPC, Shadow masks, Lead frames, TAB, Electrolyzed copper foils, Ceramic capacitors , Resist etc.

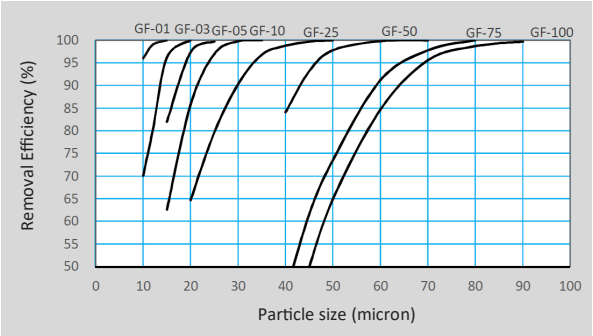
Filter Rating

Grade	Nominal rating	Absolute rating
GF-01	1 µm	15 µm
GF-03	3 µm	20 µm
GF-05	5 µm	30 µm
GF-10	10 µm	40 µm
GF-25	25 µm	50 µm
GF-50	50 µm	70 µm
GF-75	75 µm	90 µm
GF-100	100 µm	100 µm

※ Absolute rating values are only for the reference

Removal Efficiency

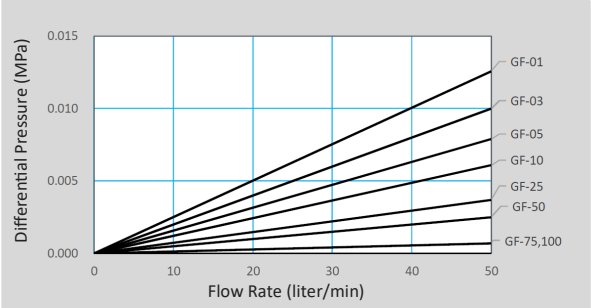
Initial Particle Removal Efficiency



※ tested by JNC method

Water Permeability

Flow Rate - Differential Pressure



※ per 250 mm, in water

Ordering Guide

Code information							Sales Unit
Grade	Filter Rating	End Type & Seal Material		ID & OD (mm)	Length (mm)		SPQ (pcs/ctn)
GF -	**01** (1 µm) **03** (3 µm) **05** (5 µm) **10** (10 µm) **25** (25 µm) **50** (50 µm) **75** (75 µm) **100** (100 µm)	(DOE) **Blank** (Blank)		**30 - 62 -**	**250**		50
					500		25
					750		25
					1000		25
		(SOE) **E3** (222 O-ring with Flat End) **E7** (226 O-ring with Spear End) **M3** (222 O-ring with Flat End) **M8** (222 O-ring with Spear End)	**1** (NBR) **2** (Silicone) **3** (FKM) **4** (E-FKM) **5** (EPDM)	**25 - 70 -**	(E3)	**282, 532, 777**	6
					(E7)	**319, 568, 814**	6
					(M3)	**265, 513, 762**	6
						1030	20
					(M8)	**319, 568, 814**	6
						1070	20
Example : GF-10E72 25-70-814 (SPQ 6pcs)							
GF -	**10**	**E7**	**2**	**25-70-**	**814**		6

＊ Description of each characteristic data is based on our original test methods. The actual data may differ slightly from the data shown here by use conditions.

＊ Please be reminded that we may change this content without advance notice.

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Japan Quality

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