

50mm 0.22μm PO Nanofiber Membrane Discs For Water Liquid Prefiltration

Our Product Introduction

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Basic Information

- Place of Origin: PRC
- Brand Name: WECHANGE
- Model Number: WF-MF-50-22
- Minimum Order Quantity: 100
- Price: Negotiable
- Packaging Details: Plastic box + carton
- Delivery Time: 21-30
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram, Paypal
- Supply Ability: 5000pc/month



Product Specification

- OD: 50mm
- Filtration Rating: 0.22μm
- MOQ: 100 Boxes
- Membrane Material: PO/EVOH
- Package Material: 100pc/plastic Box
- Highlight: 50mm Nanofiber Membrane Discs, 0.33mic Nanofiber Membrane Discs, Nanofiber Membrane Discs 0.33mic

Product Description

50mm 0.22μm PO Nanofiber Membrane Discs For Water Liquid Prefiltration

Description of Water/Liquid Prefiltration

WECHEN PO nanofiber membrane is a unique product of Wuhan WECHEN Company, with independent intellectual property rights. The PO membrane owns high throughput, high uniformity, high compatibility, high hydrophilicity, very low extract, low non-specific adsorption, excellent solvent resistance and other characteristics. WECHEN PO nanofiber membrane own variety of pore sizes(0.22μm/0.45μm/0.75μm) and diameters(13mm/25mm/47mm/50mm/60mm) which can effectively remove particulate matter impurities and microorganisms. WECHEN PO nanofiber membrane can be used in life science, pharmaceutical, environmental, food and beverage, chemical, agriculture and other fields.

Application of Water/Liquid Prefiltration

Common efficient filtration, such as pharmaceutical solutions, buffers, media;
Remove or trap fine precipitates and suspended solids from the sample;
Purification of aqueous and organic solutions;
Biological sample preparation;
Sample preparation for environmental analysis.

Features of Water/Liquid Prefiltration

Suitable for aqueous solution filtration and organic solution filtration;
A variety of pore sizes and diameters are available to meet the needs of different filtration accuracy and sample volume;
Optional aseptic package for certain important applications;
High flux and flow rate;
Low adsorption of analyte;
Tolerance to high pressure steam sterilization, irradiation sterilization and ethylene oxide sterilization.

Operating Characteristic of Water/Liquid Prefiltration

Index	Technological Specifications		
Pore Size(μm)	0.22	0.45	0.75
Membrane Material	PO	PO	PO
Thickness(μm)	50-60	50-60	50-60
Flow Rate (water, ml/min/cm ² /bar)	≥5	≥100	≥250
Bubble Point (ehanol, bar)	≥1.7	≥0.9	≥0.5

Naming Regulations of Water/Liquid Prefiltration

WF	MF	ST	F	13	22
Trademark	Form	Sterilize	Membrane	Diameter	Pore Size
WECHANFIB	Membrane Filter	Sterilize	Blank PO	13 13mm	10 0.10μm
			F PTFE	25 25mm	22 0.22μm
			P PP	50 50mm	45 0.45μm
			S PES	60 60mm	70 0.70μm
			N Nylon	Customized	80 0.80μm

维晨科技有限公司

WECHANGE TECHNOLOGY CO.,LTD

We-Change Makes Your Life better

Wechange Nanofiber Membrane Discs Products List

Membrane Material	Type No.	Application	Pore Size μm	Diameter mm
PO	WF-MF-13-22	Common Efficient Filtration, Such as Pharmaceutical Solutions, Buffers, Media; Remove or Trap Fine Precipitates & Suspended Solids From the Sample; Purification of Aqueous & Organic Solutions; Biological Sample Preparation; Sample Preparation for Environmental Analysis.	0.22	13
PO	WF-MF-25-22		0.22	25
PO	WF-MF-47-22		0.22	47
PO	WF-MF-50-22		0.22	50
PO	WF-MF-60-22		0.22	60
PO	WF-MF-13-45		0.45	13
PO	WF-MF-25-45		0.45	25
PO	WF-MF-47-45		0.45	47
PO	WF-MF-50-45		0.45	50
PO	WF-MF-60-45		0.45	60
PO	WF-MF-13-75		0.75	13
PO	WF-MF-25-75		0.75	25
PO	WF-MF-47-75		0.75	47
PO	WF-MF-50-75		0.75	50
PO	WF-MF-60-75		0.75	60

LABORATORY SERIES

➔ Microporous Membrane



Properties Index	Index
Recommended Materials	PO(EVOH)
Diameter (mm)	Φ13/25/47/50/60 (consult us for customization)
Filtration Accuracy (μm)	0.1, 0.22, 0.45, 0.7
Max Withstand Temperature (°C)	55
Max Withstand Pressure (bar)	6.2
pH Range	1-14

This product is mainly used for the filtration and purification of laboratory liquid samples. For example: filtration of mobile phase and sample in chromatographic analysis, removal of fine particles and pollutants of the same size has a good effect on protecting the chromatographic column, pumping system, injection valve, etc. from contamination; filtration and purification of laboratory-grade biological macromolecules such as proteins, sterilization of biological liquids, etc. This product is widely used in gravimetric analysis, microanalysis, colloidal separation, and sterility testing. According to the type of filtration sample, different types of membrane (PO, PTFE, PES, CA, and Nylon) can be customized and for diaphragm products, high temperature or irradiation sterilization can be chosen.

Order Information

Product Type	Diameter	Membrane Materials	Shell Materials	Pore Size (μm)	Applicable Medium	Connector Outlet	Sterile*	Packing/Counts	Products Code
Syringe Filter	13	PO	PP	0.1	Liquid	Ruhr (male)	No	100	WF-ZT-13 -10
	25	PO	PP	0.1	Liquid	Ruhr (male)	No	50	WF-ZT-25-10
	33	PO	PP	0.1	Liquid	Ruhr (male)	No	50	WF-ZT-33-10
	13	PO	PP	0.22	Liquid/Gas	Ruhr (male)	No	100	WF-ZT-13-22
	25	PO	PP	0.22	Liquid/Gas	Ruhr (male)	No	50	WF-ZT-25-22
	33	PO	PP	0.22	Liquid/Gas	Ruhr (male)	No	50	WF-ZT-33-22
	13	PO	PP	0.45	Liquid/Gas	Ruhr (male)	No	100	WF-ZT-13-45
	25	PO	PP	0.45	Liquid/Gas	Ruhr (male)	No	50	WF-ZT-25-45
	33	PO	PP	0.45	Liquid/Gas	Ruhr (male)	No	50	WF-ZT-33-45
	13	PO	PP	0.7	Liquid/Gas	Ruhr (male)	No	100	WF-ZT-13 -70
	25	PO	PP	0.7	Liquid/Gas	Ruhr (male)	No	50	WF-ZT-25-70
	33	PO	PP	0.7	Liquid/Gas	Ruhr (male)	No	50	WF-ZT-33 -70
	13	PO	PP	0.45	Liquid/Gas	Ruhr (male)	Yes	50/100 (Single Individually Package)	WF-ZT-ST- 13-45
	25	PO	PP	0.45	Liquid/Gas	Ruhr (male)	Yes	50/100 (Single Individually Package)	WF-ZT-ST-25-45
	33	PO	PP	0.45	Liquid/Gas	Ruhr (male)	Yes	50/100 (Single Individually Package)	WF-ZT-ST-33-45
	13	PO	PP	0.7	Liquid/Gas	Ruhr (male)	Yes	50/100 (Single Individually Package)	WF-ZT-ST- 13-45
	25	PO	PP	0.7	Liquid/Gas	Ruhr (male)	Yes	50/100 (Single Individually Package)	WF-ZT-ST-25-70
	33	PO	PP	0.7	Liquid/Gas	Ruhr (male)	Yes	50/100 (Single Individually Package)	WF-ZT-ST-33-70
Microporous Membrane	50	PO		0.22	Liquid		No	50 sheet	WF-MF-50-22
	50	PO		0.45	Liquid		No	50 sheet	WF-MF-50-45
	50			0.1	Liquid		Yes	50 sheet	WF-MF-ST-50- 10

Note: cellulose, nylon, and poly(tetrafluoroethylene) membrane products can be provided, according to customer's requirement.

General Description of Water/Liquid Prefiltration:

The 'nanofiber membrane disc for water/liquid pre-filtration' is a precision filtration device with a nanofiber membrane as its core component. This device is primarily used in the water treatment or liquid filtration process as the first line of defense in the pre-filtration stage, aiming to efficiently remove tiny particles, bacteria, viruses, and other impurities suspended in water or liquid. By doing so, it reduces the burden on subsequent filtration steps, thereby enhancing the efficiency of the entire filtration system and extending its service life.

Application of Water/Liquid Prefiltration:

- 1.Common efficient filtration, such as pharmaceutical solutions, buffers, media
- 2.Remove or trap fine precipitates and suspended solids from the sample
- 3.Purification of aqueous and organic solutions
- 4.Biological sample preparation
- 5.Sample preparation for environmental analysis

Features and Benefits of Water/Liquid Prefiltration:

- *Excellent biocompatibility;
- * Good chemical stability, capable of resisting erosion by a variety of chemicals;
- * Extremely high filtration efficiency, able to effectively remove suspended particles from water or liquid;
- * Strict quality control system, complete production process flow;
- * Short delivery period;
- * Flexible payment method: T/T, L/C, West Union, Paypal;
- * Free technical support;
- * Other specific sizes can be customized;

Performance:

Membrane Material	Pore Size (μm)	Thickness (μm)	Flow Rate (water, ml/min/cm ² /bar)	Bubble Point (ethanol, bar)
PO	0.2	50~60	≥5	≥1.7
PO	0.45	50~60	≥100	≥0.9
PO	0.75	50~60	≥250	≥0.5

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