

## PVC Disc Filters

### PVC Filters

PVC disc filters are used to analysis of metals, silica, and dust in air monitoring. Moisture pick up the level of this filters is low, therefore it is ideal for gravimetric analysis.

#### Features

- ★ Pure PVC
- ★ Low ash quantity, ideal for multiple NIOSH analytical methods.
- ★ Low moisture pick up the level.
- ★ Meets NIOSH and OSHA requirements.

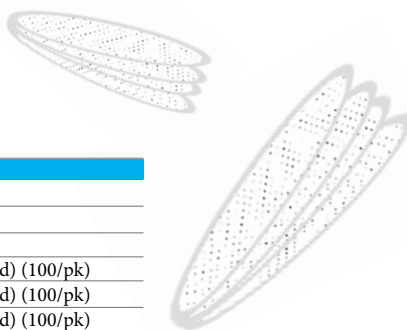
#### Applications

- ★ Air Monitoring.

#### Specification

Filter Material	Poly Vinyl Chloride (PVC)
Filter Color	White
Filter Surface Type	Plain
Method	ASTM, NIOSH and OSHA
Pore Size	5 $\mu$ m
Thickness	170-230 $\mu$ m
Porosity	80%
Ash Content	<1%
Aerosol Retention	99.94%
Air Flow Rate (L/min/cm <sup>2</sup> )	2.7
Provided Diameters (mm)	25mm; 37mm; 47mm
Diameters Accuracy	$\pm$ 0.1mm

Part Number	Description
PVC-500-2500	PVC Air Monitoring Filter 5 $\mu$ m 25 mm (100/pk)
PVC-500-3700	PVC Air Monitoring Filter 5 $\mu$ m 37 mm (100/pk)
PVC-500-4700	PVC Air Monitoring Filter 5 $\mu$ m 47 mm (100/pk)
PVC-500-2500-P	PVC Air Monitoring Filter 5 $\mu$ m 25 mm (with supporting pad) (100/pk)
PVC-500-3700-P	PVC Air Monitoring Filter 5 $\mu$ m 37 mm (with supporting pad) (100/pk)
PVC-500-4700-P	PVC Air Monitoring Filter 5 $\mu$ m 47 mm (with supporting pad) (100/pk)



Please [contact us](#) for other diameters.

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## Quartz Disc and Sheet Filters

### Quartz Filters

Quartz fiber filters are made of ultra pure quartz fibers with no binders and glass fibers. The pure quartz composition prevents the filters from reacting with acidic gases, unlike glass fiber filters that can react and cause false readings. This makes quartz filters well suited for measuring heavy metal concentrations and small amounts of particles. Because of the low level of alkaline earth metals, 'artifact' products of sulfates and nitrates (from SO<sub>2</sub> and NO<sub>2</sub>) are virtually eliminated. Quartz fiber filters are used for air sampling in acidic gases(except HF), stacks, flues and aerosols, particularly at high temperatures and in PM-10 testing as well as where absolute purity of the filter medium is required. The filters also exhibit good weight and form stability.

### Features

- ★ Binder-free.
- ★ Biologically inert with highest chemical and thermal resistance.
- ★ Enables to pass through large volumes of air.
- ★ Filters made of pure quartz micro fiber (SiO<sub>2</sub>), free of binding elements or additives.
- ★ Heat treated for reduction of trace organics and superior chemical purity.
- ★ High filtration efficiency.
- ★ Higher resistance than glass micro fiber. Very good up to 1000 °C.

### Applications

- ★ Applications that require a maximum filter purity with a low metal content and no carbon traces.
- ★ High temperature and hot gas air monitoring applications.
- ★ Pollution controls performed on air in industrial stacks, smoke ducts and aerosols.
- ★ Sampling and analysis of PM-10 particles and other pollutants.

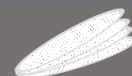
### Specification

Type	Weight (g/m <sup>2</sup> )	Gas Collection Efficiency Drop (%) at 0.3 μm	Binder	Maximum Operating Temperature (°C)	pH in Boiled Water Extract
Standard	85	99.998	No	1000	6.5-7.5
Heat Treated	85	99.998	No	1150	6.5-7.5

Part Number	Description	Part Number	Description
CTZ-QS025-100	Quartz microfiber, high purity 1000°C (SiO <sub>2</sub> ), (25 mm) (100/pk)	CTZ-QH025-100	Quartz microfiber, high purity 1150°C (SiO <sub>2</sub> ), (25 mm) (100/pk)
CTZ-QS037-100	Quartz microfiber, high purity 1000°C (SiO <sub>2</sub> ), (37 mm) (100/pk)	CTZ-QH037-100	Quartz microfiber, high purity 1150°C (SiO <sub>2</sub> ), (37 mm) (100/pk)
CTZ-QS047-100	Quartz microfiber, high purity 1000°C (SiO <sub>2</sub> ), (47 mm) (100/pk)	CTZ-QH047-100	Quartz microfiber, high purity 1150°C (SiO <sub>2</sub> ), (47 mm) (100/pk)
CTZ-QS810-025	Quartz microfiber, high purity 1000°C (SiO <sub>2</sub> ), (20,32x25,4mm)(8x10in)(25/pk)	CTZ-QH810-025	Quartz microfiber, high purity 1150°C (SiO <sub>2</sub> ), (20,32x25,4mm)(8x10in)(25/pk)
CTZ-QS810-050	Quartz microfiber, high purity 1000°C (SiO <sub>2</sub> ), (20,32x25,4mm)(8x10in)(50/pk)	CTZ-QH810-050	Quartz microfiber, high purity 1150°C (SiO <sub>2</sub> ), (20,32x25,4mm)(8x10in)(50/pk)
CTZ-QS810-100	Quartz microfiber, high purity 1000°C (SiO <sub>2</sub> ), (20,32x25,4mm)(8x10in)(100/pk)	CTZ-QH810-100	Quartz microfiber, high purity 1150°C (SiO <sub>2</sub> ), (20,32x25,4mm)(8x10in)(100/pk)

Please [contact us](#) for other diameters.





## PTFE Membrane Disc Filters

### PTFE Membrane Disc Filters

PTFE membrane media for filtration is made of PTFE (polytetrafluoroethylene), and were drawn 2-dimension. It is micro-pore film. The PTFE membrane was laminated with great variety of fabric and paper. Applied to extensive industries, including biochemistry, microelectronic, lab material and etc. Directly and indirectly related to pharmacy brewing, manufacture of pure water and special need water, beverage and dairy, chemical reagent, biochemical reagent, air filtration of fermentation tank in microelectronic, purification and filtration in microelectronic plants, filtration and separation of antibacterial fluid, production of medicine, air conditioning of hospitals and commercial buildings.

#### Features

- ★ PTFE membrane with supporting layer polyester or polypropylene.
- ★ Wide chemical compatibility.
- ★ PTFE membrane can effectively filtrate microorganism and other particulates.
- ★ High temperature resistance.
- ★ Low starting resistance.

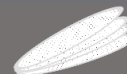
#### Applications

- ★ Filtration of strong acids and aggressive solutions.
- ★ Venting applications.
- ★ Phase separations.
- ★ Aerosol sampling.

#### Specification

Membrane Material	Support	Pore Size (μm)	Average Bubble Point (Mpa)	Flow Rate(25°C)Δp:0.07Mpa(mL/min/cm <sup>2</sup> )	Thickness (μm)
PTFE Hydrophobic	PP	0.1	0.2-0.22(Alcohol)	4-8	140-190
	PP	0.22	0.13-0.17(Alcohol)	17-22	
	PP	0.45	0.08-0.12(Alcohol)	35-45	
	PP	1	0.04-0.06(Alcohol)	50-70	
	PP	3	0.03-0.04(Alcohol)	90-120	
	PP	5	0.02-0.03(Alcohol)	250-320	
PTFE Hydrophilic	PP	0.22	0.34-0.45(Water)	10-18	140-190
	PP	0.45	0.2-0.3(Water)	25-35	
	PP	1	0.12-0.15(Water)	45-65	

Please [contact us](#) for other diameters.



Part Number	Description
PTFE-010-2500	Membrane Filter PTFE Hydrophobic (0.10µm)25 mm (200/pk)
PTFE-010-3700	Membrane Filter PTFE Hydrophobic (0.10µm)37 mm (200/pk)
PTFE-010-4700	Membrane Filter PTFE Hydrophobic (0.10µm)47 mm (200/pk)
PTFE-010-9000	Membrane Filter PTFE Hydrophobic (0.10µm)90 mm (100/pk)
PTFE-010-0142	Membrane Filter PTFE Hydrophobic (0.10µm)142 mm (50/pk)

Part Number	Description
PTFE-022-2500	Membrane Filter PTFE Hydrophobic (0.22µm)25 mm (200/pk)
PTFE-022-3700	Membrane Filter PTFE Hydrophobic (0.22µm)37 mm (200/pk)
PTFE-022-4700	Membrane Filter PTFE Hydrophobic (0.22µm)47 mm (200/pk)
PTFE-022-9000	Membrane Filter PTFE Hydrophobic (0.22µm)90 mm (100/pk)
PTFE-022-0142	Membrane Filter PTFE Hydrophobic (0.22µm)142 mm (50/pk)

Part Number	Description
PTFE-045-2500	Membrane Filter PTFE Hydrophobic (0.45µm)25 mm (200/pk)
PTFE-045-3700	Membrane Filter PTFE Hydrophobic (0.45µm)37 mm (200/pk)
PTFE-045-4700	Membrane Filter PTFE Hydrophobic (0.45µm)47 mm (200/pk)
PTFE-045-9000	Membrane Filter PTFE Hydrophobic (0.45µm)90 mm (100/pk)
PTFE-045-0142	Membrane Filter PTFE Hydrophobic (0.45µm)142 mm (50/pk)

Part Number	Description
PTFE-10-2500	Membrane Filter PTFE Hydrophobic (1µm)25 mm (200/pk)
PTFE-10-3700	Membrane Filter PTFE Hydrophobic (1µm)37 mm (200/pk)
PTFE-10-4700	Membrane Filter PTFE Hydrophobic (1µm)47 mm (200/pk)
PTFE-10-9000	Membrane Filter PTFE Hydrophobic (1µm)90 mm (100/pk)
PTFE-10-0142	Membrane Filter PTFE Hydrophobic (1µm)142 mm (50/pk)

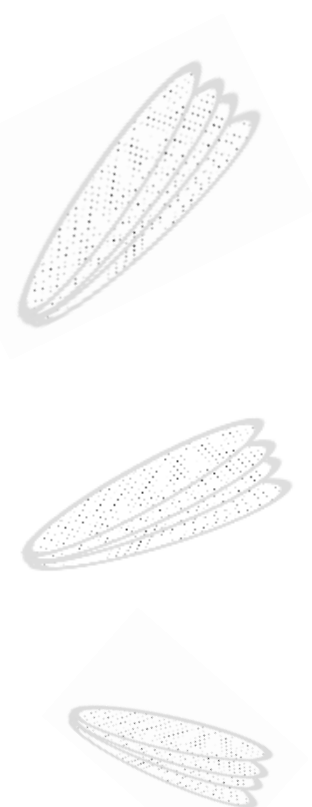
Part Number	Description
PTFE-30-2500	Membrane Filter PTFE Hydrophobic (3µm)25 mm (200/pk)
PTFE-30-3700	Membrane Filter PTFE Hydrophobic (3µm)37 mm (200/pk)
PTFE-30-4700	Membrane Filter PTFE Hydrophobic (3µm)47 mm (200/pk)
PTFE-30-9000	Membrane Filter PTFE Hydrophobic (3µm)90 mm (100/pk)
PTFE-30-0142	Membrane Filter PTFE Hydrophobic (3µm)142 mm (50/pk)

Part Number	Description
PTFE-50-2500	Membrane Filter PTFE Hydrophobic (5µm)25 mm (200/pk)
PTFE-50-3700	Membrane Filter PTFE Hydrophobic (5µm)37 mm (200/pk)
PTFE-50-4700	Membrane Filter PTFE Hydrophobic (5µm)47 mm (200/pk)
PTFE-50-9000	Membrane Filter PTFE Hydrophobic (5µm)90 mm (100/pk)
PTFE-50-0142	Membrane Filter PTFE Hydrophobic (5µm)142 mm (50/pk)

Part Number	Description
PTFE-022-2500L	Membrane Filter PTFE <b>Hydrophilic</b> (0.22µm)25 mm (200/pk)
PTFE-022-3700L	Membrane Filter PTFE <b>Hydrophilic</b> (0.22µm)37 mm (200/pk)
PTFE-022-4700L	Membrane Filter PTFE <b>Hydrophilic</b> (0.22µm)47 mm (200/pk)
PTFE-022-9000L	Membrane Filter PTFE <b>Hydrophilic</b> (0.22µm)90 mm (100/pk)
PTFE-022-0142L	Membrane Filter PTFE <b>Hydrophilic</b> (0.22µm)142 mm (50/pk)

Part Number	Description
PTFE-045-2500L	Membrane Filter PTFE <b>Hydrophilic</b> (0.45µm)25 mm (200/pk)
PTFE-045-3700L	Membrane Filter PTFE <b>Hydrophilic</b> (0.45µm)37 mm (200/pk)
PTFE-045-4700L	Membrane Filter PTFE <b>Hydrophilic</b> (0.45µm)47 mm (200/pk)
PTFE-045-9000L	Membrane Filter PTFE <b>Hydrophilic</b> (0.45µm)90 mm (100/pk)
PTFE-045-0142L	Membrane Filter PTFE <b>Hydrophilic</b> (0.45µm)142 mm (50/pk)

Part Number	Description
PTFE-10-2500L	Membrane Filter PTFE <b>Hydrophilic</b> (1µm)25 mm (200/pk)
PTFE-10-3700L	Membrane Filter PTFE <b>Hydrophilic</b> (1µm)37 mm (200/pk)
PTFE-10-4700L	Membrane Filter PTFE <b>Hydrophilic</b> (1µm)47 mm (200/pk)
PTFE-10-9000L	Membrane Filter PTFE <b>Hydrophilic</b> (1µm)90 mm (100/pk)
PTFE-10-0142L	Membrane Filter PTFE <b>Hydrophilic</b> (1µm)142 mm (50/pk)



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## Non-Sterile Syringe Filters

### Syringe Filters

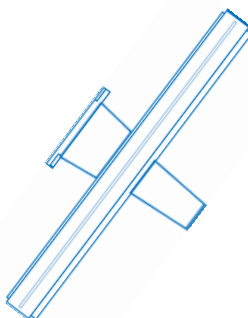
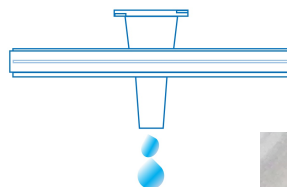
Our syringe filters are simply quality filters, well packaged, and offered at a fair and competitive price. There are different type syringe filters that; (CA) Cellulose Acetate, (GF) Glass Fiber, (MCE) Mixed Cellulose Esters, Nylon, PES, PP, PTFE, and PVDF. Typical applications are clarification, sterile filtration, sample preparation, sterile venting and medical applications. The syringe filters are available in many different pore sizes and with several hydrophilic or hydrophobic membrane materials. ISO9000 certified manufacturing is carried out to the highest standards, in certified clean room conditions, using the latest manufacturing technology to ensure a high quality, consistent product. All the syringe filters are certified by HPLC Extractable Test.

#### Features

- ★ Application Compatibility: Broad range of filtration media meets diverse application needs.
- ★ Convenient: Each unit is clearly marked with an identifying code to denote pore size, membrane material.
- ★ Minimum sample hold-up: Syringe Filter's housings are specifically designed to maximize sample recovery.
- ★ Sterile: Filters can be purchased pre-sterilized by Gamma radiation and individually packaged

#### Applications

- ★ Biofuel analysis.
- ★ Content uniformity.
- ★ Dissolution testing.
- ★ Environmental samples.
- ★ Food analysis.
- ★ HPLC sample preparation.
- ★ Removal of protein precipitates.
- ★ Routine QC analysis



Materials	Behavior for Water	Available Diameters (mm)	Pore Size (µm)
(CA) Cellulose Acetate	Hydrophilic	4; <b>13</b> ; 17; <b>25</b> ; 30	0.22 ; 0.45 ; 3.00
(GF) Glass Fiber	Hydrophilic	4; <b>13</b> ; 17; <b>25</b> ; 30	0.70 ; 1.00
(MCE) Mixed Cellulose Esters	Hydrophilic	4; <b>13</b> ; 17; <b>25</b> ; 30	0.22 ; 0.45 ; 3.00
Nylon	Hydrophilic	4; <b>13</b> ; 17; <b>25</b> ; 30	0.10 ; 0.22 ; 0.45 ; 1 ; 3 ; 5
PES	Hydrophilic	4; <b>13</b> ; 17; <b>25</b> ; 30	0.10 ; 0.22 ; 0.45
PP	Hydrophilic	4; <b>13</b> ; 17; <b>25</b> ; 30	0.22 ; 0.45 ; 3.00
PTFE	Hydrophilic / Hydrophobic	4; <b>13</b> ; 17; <b>25</b> ; 30	0.22 ; 0.45
PVDF	Hydrophilic / Hydrophobic	4; <b>13</b> ; 17; <b>25</b> ; 30	0.22 ; 0.45

#### Nonsterile (CA) Cellulose Acetate Syringe Filters

Part Number	Description
SF-CA-2213	Nonsterile (CA) Cellulose Acetate Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-CA-4513	Nonsterile (CA) Cellulose Acetate Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-CA-2225	Nonsterile (CA) Cellulose Acetate Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-CA-4525	Nonsterile (CA) Cellulose Acetate Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile (GF) Glass Fiber Syringe Filters

Part Number	Description
SF-GF-0713	Nonsterile (GF) Glass Fiber Syringe Filters, Pore:0.7(µm), Housing Diameter:13(mm) (100/pk)
SF-GF-1013	Nonsterile (GF) Glass Fiber Syringe Filters, Pore:1.0(µm), Housing Diameter:13(mm) (100/pk)
SF-GF-0725	Nonsterile (GF) Glass Fiber Syringe Filters, Pore:0.7(µm), Housing Diameter:25(mm) (100/pk)
SF-GF-1025	Nonsterile (GF) Glass Fiber Syringe Filters, Pore:1.0(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile (MCE) Mixed Cellulose Esters Syringe Filters

Part Number	Description
SF-MCE-2213	Nonsterile (MCE) Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-MCE-4513	Nonsterile (MCE) Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-MCE-2225	Nonsterile (MCE) Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-MCE-4525	Nonsterile (MCE) Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile Nylon Syringe Filters

Part Number	Description
SF-NYL-2213	Nonsterile Nylon Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-NYL-4513	Nonsterile Nylon Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-NYL-2225	Nonsterile Nylon Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-NYL-4525	Nonsterile Nylon Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile PES Syringe Filters

Part Number	Description
SF-PES-2213	Nonsterile PES Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-PES-4513	Nonsterile PES Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-PES-2225	Nonsterile PES Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-PES-4525	Nonsterile PES Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile PP Syringe Filters

Part Number	Description
SF-PP-2213	Nonsterile PP Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-PP-4513	Nonsterile PP Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-PP-2225	Nonsterile PP Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-PP-4525	Nonsterile PP Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile Hydrophilic PTFE Syringe Filters

Part Number	Description
SF-PTFE-2213	Nonsterile <b>Hydrophilic</b> PTFE Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-PTFE-4513	Nonsterile <b>Hydrophilic</b> PTFE Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-PTFE-2225	Nonsterile <b>Hydrophilic</b> PTFE Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-PTFE-4525	Nonsterile <b>Hydrophilic</b> PTFE Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile Hydrophobic PTFE Syringe Filters

Part Number	Description
SF-PTFE-2213X	Nonsterile <b>Hydrophobic</b> PTFE Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-PTFE-4513X	Nonsterile <b>Hydrophobic</b> PTFE Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-PTFE-2225X	Nonsterile <b>Hydrophobic</b> PTFE Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-PTFE-4525X	Nonsterile <b>Hydrophobic</b> PTFE Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile Hydrophilic PVDF Syringe Filters

Part Number	Description
SF-PVDF-2213	Nonsterile <b>Hydrophilic</b> PVDF Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-PVDF-4513	Nonsterile <b>Hydrophilic</b> PVDF Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-PVDF-2225	Nonsterile <b>Hydrophilic</b> PVDF Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-PVDF-4525	Nonsterile <b>Hydrophilic</b> PVDF Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)

#### Nonsterile Hydrophobic PVDF Syringe Filters

Part Number	Description
SF-PVDF-2213X	Nonsterile <b>Hydrophobic</b> PVDF Syringe Filters, Pore:0.22(µm), Housing Diameter:13(mm) (100/pk)
SF-PVDF-4513X	Nonsterile <b>Hydrophobic</b> PVDF Syringe Filters, Pore:0.45(µm), Housing Diameter:13(mm) (100/pk)
SF-PVDF-2225X	Nonsterile <b>Hydrophobic</b> PVDF Syringe Filters, Pore:0.22(µm), Housing Diameter:25(mm) (100/pk)
SF-PVDF-4525X	Nonsterile <b>Hydrophobic</b> PVDF Syringe Filters, Pore:0.45(µm), Housing Diameter:25(mm) (100/pk)



Please [contact us](#) for other pore and diameters.