Buchner

PRODUCT
CATALOG

2026-27

Buchner™ Advanced Filtration Solutions

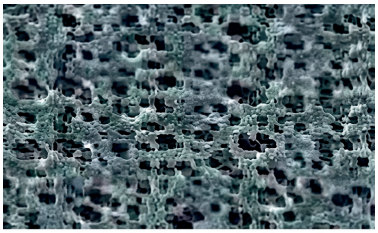
Pure. Precise. Filtration.

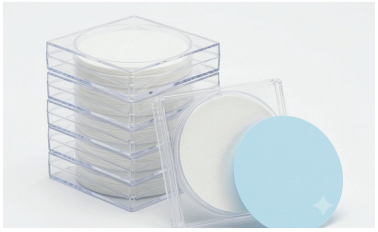
www.Buchnerindia.com

Membrane Filter



Nylon Membrane Filter





Features and Advantages

- Hydrophilic
- High protein binding capacity, minimizes interference from proteiGrade during testing
- Low extractables eGradeures tests will be clean and pure leading to more coGradeistent results
- Compatible with many aqueous and organic solutioGrade High strength and heat resistance

SpecificatioGrade

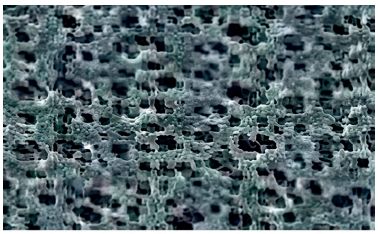
- Wettability: Hydrophilic
- pH Range: 6-13
- Pore Size: 0.1μm, 0.22μm, 0.45μm, 1.2μm,
- 3.0μm, 5.0μm
  Color/Surface:White/Flat
- Diameter: 13 mm, 25 mm, 47 mm, 90 mm,
- 110 mm,142 mm, 150mm

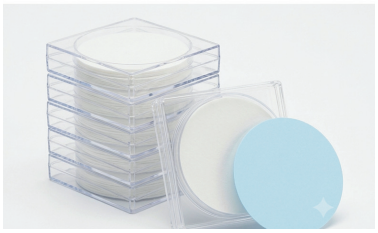
ApplicatioGrade

- General laboratory filtration
- Sterilization, clarification of aqueous and organic solvent solutioGrade
- HPLC sample preparation

Product Code	Description	Packaging（Pcs/Box）
NM1322	Nylon disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
NM1345	Nylon disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm	100
NM2522	Nylon disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	100
NM2545	Nylon disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	100
NM4722	Nylon disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	100
NM4745	Nylon disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	100
NM9022	Nylon disc membrane filter, Diameter: 90mm, Pore Size: 0.22μm	50
NM9045	Nylon disc membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50

PES(Polyethersulfone) Membrane Filter





Features and Advantages

- High flow rates and throughputs due to the highly asymmetric pore structure
- Inherently hydrophilic
- Low protein binding and high drug compatibility, maximize recovery of critical media components
- High thermal resistance

ApplicatioGrade

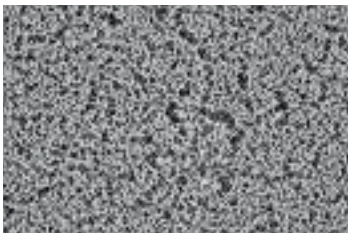
- General/sterile filtration
- Biological filtration
- Pharmaceutical filtration
- Bacterial isolation/enumeration
- Liquid of high temperature filtration

SpecificatioGrade

- Wettability: Hydrophilic
- Pore Size: 0.1μm, 0.22μm, 0.45μm, 0.65μm, 1.2μm
- Color/Surface: White/Flat
- Diameter:13 mm, 25 mm, 47 mm, 90 mmm, 150mm

Product Code	Description	Packaging（Pcs/Box）
PM1322	PES disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm PES	100
PM1345	disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm PES disc	100
PM2522	membrane filter, Diameter: 25mm, Pore Size: 0.22μm PES disc	100
PM2545	membrane filter, Diameter: 25mm, Pore Size: 0.45μm PES disc	100
PM4722	membrane filter, Diameter: 47mm, Pore Size: 0.22μm PES disc	100
PM4745	membrane filter, Diameter: 47mm, Pore Size: 0.45μm PES disc	100
PM9022	membrane filter, Diameter: 90mm, Pore Size: 0.22μm PES disc	50
PM9045	membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50

MCE (Mixed Cellulose Ester) Membrane Filter





Features and Advantages

- Hydrophilic
- Biologically inert
- High porosity for increased flow rates without compromising filter integrity
- Uniform pore structure provides coGradeistent flow and diffusion rates

ApplicatioGrade

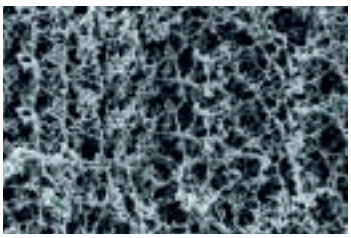
- Aqueous filtration
- The recovery and retention of E. Coli bacteria
- Sterility testing
- Gravimetric analysis with ashing techniques
- Air monitoring
- Particle monitoring

SpecificatioGrade

- Wettability: Hydrophilic
- Pore Size: 0.1μm, 0.22μm, 0.45μm, 0.65μm, 0.8μm,
- 1.2μm, 3.0μm, 5.0μm, 8.0μm
- pH Range: 3-8
- Color/Surface: White/Flat
- Diameter: 13 mm, 25 mm, 37mm, 47 mm, 90 mm

Product Code	Description	Packaging（Pcs/Box）
MM1322	MCE disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
MM1345	MCE disc membrane filter, Diameter: 13mm, Pore Size: 0. 45μm	100
MM2522	MCE disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	100
MM2545	MCE disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	100
MM2565	MCE disc membrane filter, Diameter: 25mm, Pore Size: 0.65μm	100
MM2512	MCE disc membrane filter, Diameter: 25mm, Pore Size: 1.2μm	100
MM3722	MCE disc membrane filter, Diameter: 37mm, Pore Size: 0.22μm	100
MM3745	MCE disc membrane filter, Diameter: 37mm, Pore Size: 0.45μm	100
MM3765	MCE disc membrane filter, Diameter: 37mm, Pore Size: 0.65μm	100
MM3712	MCE disc membrane filter, Diameter: 37mm, Pore Size: 1.2μm	100
MM4722	MCE disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	100
MM4745	MCE disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	100
MM4765	MCE disc membrane filter, Diameter: 47mm, Pore Size: 0.65μm	50
MM4712	MCE disc membrane filter, Diameter: 47mm, Pore Size: 1.2μm	50

CA (Cellulose Acetate) Membrane Filter





SpecificatioGrade

Wettability: Hydrophilic

Pore Size: 0.22μm, 0.45μm, 0.65μm, 0.8μm，1.2μm

pH Range: 3-9

Color/Surface: White/Flat

Diameter: 13 mm, 25 mm, 47 mm

Features and Advantages

Low protein binding

Hydrophilic

Strength and dimeGradeion stability

Uniform pore structure

ApplicatioGrade

Protein and enzyme filtration

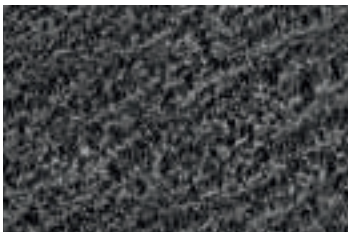
Biological fluid filtration and sterilization

Tissue culture media sterilization

Clarification of aqueous solutioGrade, nutrient media ,buffers and sera

Product Code	Description	Packaging（Pcs/Box）
CM1322	CA disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
CM1345	CA disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm	100
CM2522	CA disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	100
CM2545	CA disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	100
CM4722	CA disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	100
CM4745	CA disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	100

Hydrophobic PTFE(Polytetrafluoroethylene) Membrane Filter



Features and Advantages

- Hydrophobic
- Chemically resistant to all solvents, acids and bases
- PTFE membrane with supporting layer polyester or
- polypropylene
- High temperature resistance

ApplicatioGrade

- Aggressive solvents filtration
- Air and gas filtration
- Phase separatioGrade
- Aerosol sampling



SpecificatioGrade

Wettability: Hydrophobic

Pore Size: 0.01μm （for gas filtration）, 0.1μm, 0.22μm, 0.45μm,1.2μm, 3.0μm, 5.0μm, 10μm

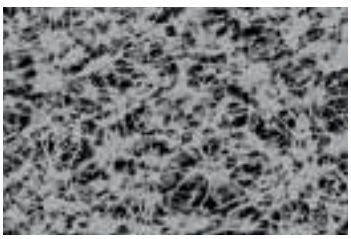
pH Range: 1-14

Color/Surface: White/Flat

Diameter: 13 mm, 25 mm, 47 mm, 90 mm

Product Code	Description	Packaging （Pcs/Box）
PTM1322	Hydrophobic PTFE disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
PTM1345	Hydrophobic PTFE disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm	100
PTM2522	Hydrophobic PTFE disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	100
PTM2545	Hydrophobic PTFE disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	100
PTM4722	Hydrophobic PTFE disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	100
PTM4745	Hydrophobic PTFE disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	100
PTM9022	Hydrophobic PTFE disc membrane filter, Diameter: 90mm, Pore Size: 0.22μm	50
PTM9045	Hydrophobic PTFE disc membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50

Hydrophilic PTFE(Polytetrafluoroethylene) Membrane Filter



Features and Advantages

- Hydrophilic
- Chemically resistant to all solvents, acids and bases
- PTFE membrane with supporting layer polyester or polypropylene
- High temperature resistance



ApplicatioGrade

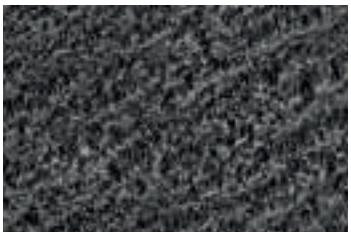
- Aggressive solvents filtration
- Filtration of HPLC samples and mobile phases

SpecificatioGrade

- Wettability: Hydrophilic
- Pore Size: 0.1μm, 0.22μm, 0.45μm,1.0μm ·pH Range: 1-14
- Color/Surface: White/Flat
- Diameter: 13 mm, 25 mm, 47 mm, 90 mm

Product Code	Description	Packaging （Pcs/Box）
HPM1322	Hydrophilic PTFE disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
HPM1345	Hydrophilic PTFE disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm	100
HPM2522	Hydrophilic PTFE disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	50
HPM2545	Hydrophilic PTFE disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	50
HPM4722	Hydrophilic PTFE disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	50
HPM4745	Hydrophilic PTFE disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	50
HPM9022	Hydrophilic PTFE disc membrane filter, Diameter: 90mm, Pore Size: 0.22μm	50
HPM9045	Hydrophilic PTFE disc membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50

CA(Cellulose Acetate) Membrane Filter





Features and Advantages

- Hydrophilic
- Lowest Protein Binding
- High Flow Rates
- Thermal Stability
- Low Extractables

SpecificatioGrade

Wettability: Hydrophilic

Pore Size:0.22μm and 0.45μm

pH Range: 4.0 – 8.0

Color/Surface: White / Flat

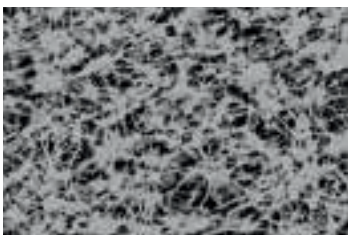
Diameter: 13 mm, 25 mm, 47 mm, 90 mm

ApplicatioGrade

- Sterile filtration and clarification of tissue culture media, serums, and biological buffers.
- Filtration of protein and enzyme solutions.
- Aqueous mobile phase preparation and sample clarification for HPLC.
- Environmental water testing and groundwater analysis.

Product Code	Description	Packaging (Pcs/Box)
CAM1322	CA disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
CAM1345	CA disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm	100
CAM2522	CA disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	100
CAM2545	CA disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	100
CAM4722	CA disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	100
CAM4745	CA disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	100
CAM9022	CA disc membrane filter, Diameter: 90mm, Pore Size: 0.22μm	50
CAM9045	CA disc membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50

Hydrophilic PVDF(Polyvinylidene Fluoride) Membrane Filter





Features and Advantages

- Hydrophilic
- Ultra-Low Protein Binding
- Broad Chemical Compatibility
- High Flow Rates
- High Thermal Stability

ApplicatioGrade

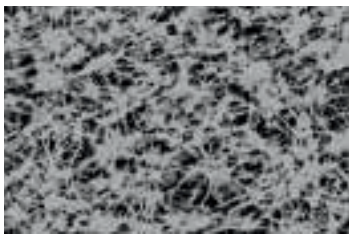
- Fine filtration of biological samples, protein solutions, and tissue culture media.
- Clarification and sterile filtration of HPLC samples and aqueous/organic mobile phases.

SpecificatioGrade

- Wettability: Hydrophilic
- Pore Size: 0.22μm, 0.45μm,1.0μm
- pH Range: 1-14
- Color/Surface: White/Flat
- Diameter: 13 mm, 25 mm, 47 mm, 90 mm

Product Code	Description	Packaging (Pcs/Box)
PVM1322	Hydrophilic PVDF disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
PVM1345	Hydrophilic PVDF disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm	100
PVM2522	Hydrophilic PVDF disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	50
PVM2545	Hydrophilic PVDF disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	50
PVM4722	Hydrophilic PVDF disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	50
PVM4745	Hydrophilic PVDF disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	50
PVM9022	Hydrophilic PVDF disc membrane filter, Diameter: 90mm, Pore Size: 0.22μm	50
PVM9045	Hydrophilic PVDF disc membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50

Hydrophobic PVDF(Polyvinylidene Fluoride) Membrane Filter





Features and Advantages

- Naturally Hydrophobic
- High Temperature Resistance
- Excellent Chemical Resistance
- Low Extractables
- High Mechanical Strength

ApplicatioGrade

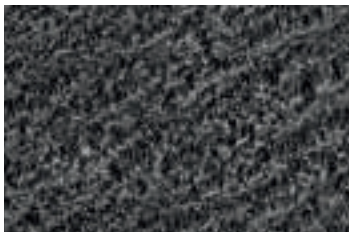
- Gas purification and sterile venting of fermentation tanks, carboys, and reagent bottles.
- Filtration of aggressive organic solvents, HPLC mobile phases, and corrosive chemical reagents (after pre-wetting with alcohol).

SpecificatioGrade

- Wettability: Hydrophobic
- Pore Size: 0.22μm, 0.45μm,1.0μm
- pH Range: 1.0 – 10.0
- Color/Surface: White/Flat
- Diameter: 13 mm, 25 mm, 47 mm, 90 mm

Product Code	Description	Packaging (Pcs/Box)
PAM1322	Hydrophobic PVDF disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
PAM1345	Hydrophobic PVDF disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm	100
PAM2522	Hydrophobic PVDF disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	50
PAM2545	Hydrophobic PVDF disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	50
PAM4722	Hydrophobic PVDF disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	50
PAM4745	Hydrophobic PVDF disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	50
PAM9022	Hydrophobic PVDF disc membrane filter, Diameter: 90mm, Pore Size: 0.22μm	50
PAM9045	Hydrophobic PVDF disc membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50

RC (Regenerated Cellulose) Membrane Filter





Features and Advantages

- Spontaneous Hydrophilicity
- Ultra-Low Non-Specific Binding
- Superior Chemical Resistance
- High Mechanical Integrity
- Low Extractables

SpecificatioGrade

Wettability: Hydrophilic

Pore Size:0.22μm and 0.45μm

pH Range: 3.0 – 12.0

Color/Surface: White / Flat

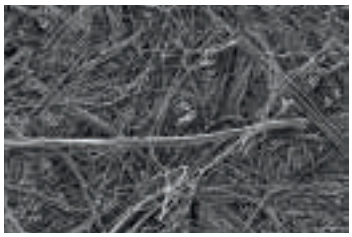
Diameter: 13 mm, 25 mm, 47 mm, 90 mm

ApplicatioGrade

- Filtration and clarification of aqueous, organic, and mixed-solvent HPLC mobile phases.
- Sample preparation for UHPLC/HPLC, GC, and critical analytical instrumentation.
- Sterile filtration and degassing of biological fluids, proteins, and cell culture media.
- Ideal for universal laboratory filtration where multiple solvent types are processed.

Product Code	Description	Packaging (Pcs/Box)
RCM1322	RC disc membrane filter, Diameter: 13mm, Pore Size: 0.22μm	100
RCM1345	RC disc membrane filter, Diameter: 13mm, Pore Size: 0.45μm	100
RCM2522	RC disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	100
RCM2545	RC disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	100
RCM4722	RC disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	100
RCM4745	RC disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	100
RCM9022	RC disc membrane filter, Diameter: 90mm, Pore Size: 0.22μm	50
RCM9045	RC disc membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50

PP(Polypropylene) Membrane Filter





Features and Advantages

- Hydrophobic
- Wide chemical compatibility
- Low extractable levels

ApplicatioGrade

- Aqueous and organic solvent filtration
- Depth filtration
- Ion chromatography
- Gas filtration

SpecificatioGrade

- Wettability: Hydrophobic
- Thickness:150-250μm
- pH Range: 1-14
- Pore Size: 0.22μm, 0.45μm, 1.0μm, 3.0μm, 5.0μm, 10μm, 20μm
- Color/Surface: White/Flat
- Diameter:13mm, 25 mm, 47 mm, 90 mm, 142 mm, 150mm

Product Code	Description	Packaging (Pcs/Box)
PPM2502	PP disc membrane filter, Diameter: 25mm, Pore Size: 0.22μm	50
PPM2504	PP disc membrane filter, Diameter: 25mm, Pore Size: 0.45μm	50
PPM4702	PP disc membrane filter, Diameter: 47mm, Pore Size: 0.22μm	50
PPM4704	PP disc membrane filter, Diameter: 47mm, Pore Size: 0.45μm	50
PPM9002	PP disc membrane filter, Diameter: 90mm, Pore Size: 0.22μm	50
PPM9004	PP disc membrane filter, Diameter: 90mm, Pore Size: 0.45μm	50



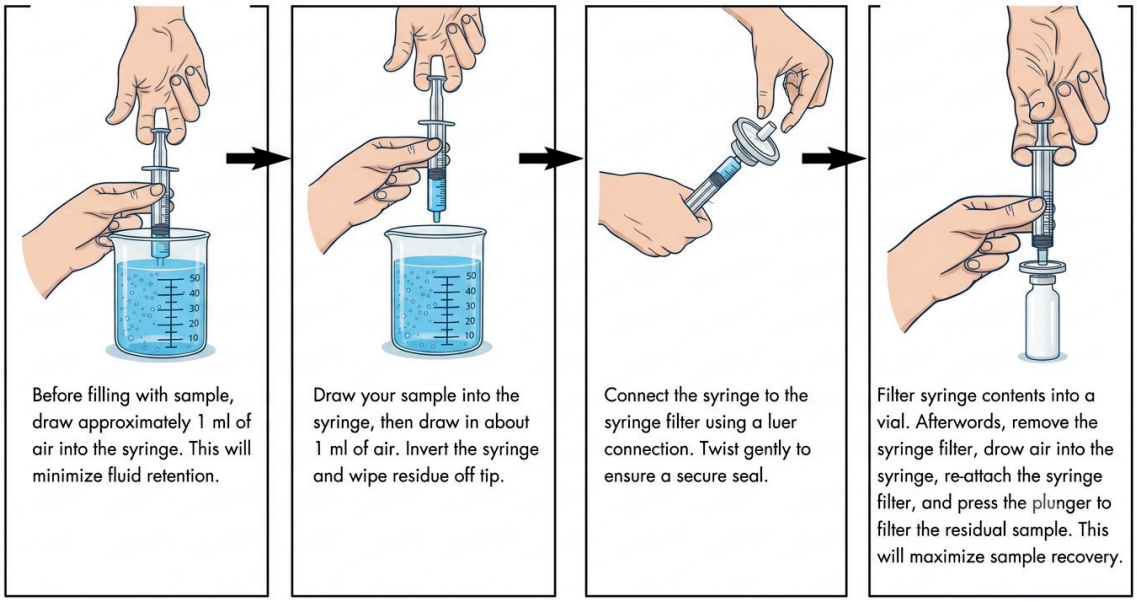
Syringe Filter

Buchner

How to use a syringe filter?

Step by step iGradeturctioGrade

Followthesestepstorealize the full benefits of filtration



Syringe Filter Selection Guide

By Application:

Type of Filtration	1st Choice	Alternatives
HPLC* UHPLC* LC/MS * GC	Nylon	Hydrophilic PTFE
ICP-MS	RC	Hydrophilic PTFE
Undiluted solvent	Hydrophilic PTFE	RC
Air / Strong acid / Strong base	Hydrophobic PTFE	-
Protein analysis * Buffer	Hydrophilic PVDF	MC
Tissue/Cell culture	PES	ECA
High particle solvent	GF prefilter + Hydrophilic PTFE	GF prefilter + Nylon
High particle aqueous	GF prefilter + Nylon	GF prefilter + PES

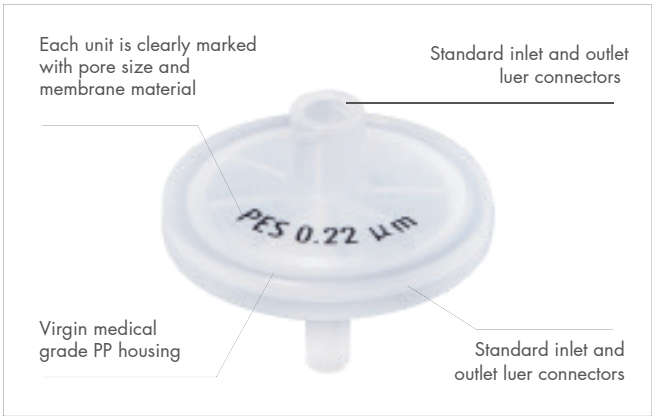
By Sample Volume:

Sample volume	Syringe filter diameter	Hold-up volume
0.1-1ml	4mm	<10μL
1-10ml	13mm	<25μL
5ml to 100ml	25mm	<100μL
10ml to 200ml	33mm	<125

Syringe Filter

For General lab filtration

Buchner™ Syringe Filters are engineered for efficient particle removal and sample clarification prior to high-performance instrumental analysis like HPLC. By eliminating fine contaminants, they protect sensitive columns and ensure highly accurate, reproducible analytical results.



Features

- Widerangeof filter materials
- Diameter 4mm, 13mm, 25mm, 33mm are available
- Virgin medical grade PP housing
- Ultrasonic welded

Technical properties

Diameter	4mm	13mm	25mm	33mm
Membrane material	Nylon, PES, MCE, CA, RC, Hydrophobic PTFE, Hydrophilic PTFE, Hydrophilic PVDF, Glass Fiber, PP			
Pore Size	0.1µm, 0.22µm, 0.45µm, 0.65µm, 0.7µm, 0.8µm, 1.2µm			
Effective Filtration Aera	0.125cm^2	0.65cm^2	3.9cm^2	4.5cm^2
Maximum Pressure	5bar	5bar	5.2bar	5.2bar
Hold-up Volume(µl)	<25	<25	<100	<125
Suggested capacity per filter unit (ml)	<1	<10	<100	<200
Housing	Virgin medical grade PP			
Inlet/Outlet	FLL/ML			



Nylon Syringe Filter





ApplicatioGrade

- Aqueous and/or organic samples
- Ideal for alcohols and weak solvents filtration

Product Code	Description	Packaging (Pcs/Box)
NS0402	Nylon syringe filter, Diameter: 4mm, Pore Size: 0.22μm	200
NS0404	Nylon syringe filter, Diameter: 4mm, Pore Size: 0.45μm	200
NS1302	Nylon syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
NS1304	Nylon syringe filter, Diameter: 13mm, Pore Size: 0.45μm	100
NS2502	Nylon syringe filter, Diameter: 25mm, Pore Size: 0.22μm	100
NS2504	Nylon syringe filter, Diameter: 25mm, Pore Size: 0.45μm	100
NS3302	Nylon syringe filter, Diameter: 33mm, Pore Size: 0.22μm	100
NS3304	Nylon syringe filter, Diameter: 33mm, Pore Size: 0.45μm	100

PES (Polyethersulfone) Syringe Filter





ApplicatioGrade

- Aqueous samples
- Buffer solutioGrade
- Tissue culture media

Product Code	Description	Packaging (Pcs/Box)
PS0402	PES syringe filter, Diameter: 4mm, Pore Size: 0.22μm	200
PS0404	PES syringe filter, Diameter: 4mm, Pore Size: 0.45μm	200
PS1302	PES syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
PS1304	PES syringe filter, Diameter: 13mm, Pore Size: 0.45μm	100
PS2502	PES syringe filter, Diameter: 25mm, Pore Size: 0.22μm	100
PS2504	PES syringe filter, Diameter: 25mm, Pore Size: 0.45μm	100
PS3302	PES syringe filter, Diameter: 33mm, Pore Size: 0.22μm	100
PS3304	PES syringe filter, Diameter: 33mm, Pore Size: 0.45μm	100

MCE(Mixed Cellulose Este) Syringe Filter





ApplicatioGrade

- General purpose filtration
- Clarification and particulate removal

Product Code	Description	Packaging (Pcs/Box)
MES1302	MCE syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
MES1304	MCE syringe filter, Diameter: 13mm, Pore Size: 0.45μm	100
MES2502	MCE syringe filter, Diameter: 25mm, Pore Size: 0.22μm	100
MES2504	MCE syringe filter, Diameter: 25mm, Pore Size: 0.45μm	100

CA(Cellulose Acetate) Syringe Filter





ApplicatioGrade

- Biological samples
- Buffers
- Tissue culture samples

Product Code	Description	Packaging (Pcs/Box)
CS1302	CA syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
CS1304	CA syringe filter, Diameter: 13mm, Pore Size: 0.45μm	100
CS2502	CA syringe filter, Diameter: 25mm, Pore Size: 0.22μm	100
CS2504	CA syringe filter, Diameter: 25mm, Pore Size: 0.45μm	100
CS3302	CA syringe filter, Diameter: 33mm, Pore Size: 0.22μm	100
CS3304	CA syringe filter, Diameter: 33mm, Pore Size: 0.45μm	100

Hydrophobic PTFE(Polytetrafluoroethylene) Syringe Filter





ApplicatioGrade

- Organic based samples
- Air/gas venting

Product Code	Description	Packaging (Pcs/Box)
PTS1302	Hydrophobic PTFE syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
PTS1304	Hydrophobic PTFE syringe filter , Diameter: 13mm, Pore Size:0.45μm	100
PTS2502	Hydrophobic PTFE syringe filter , Diameter: 25mm, Pore Size:0.22μm	100
PTS2504	Hydrophobic PTFE syringe filter , Diameter: 25mm, Pore Size:0.45μm	100

RC(Regenerated Cellulose) Syringe Filter





ApplicatioGrade

- Filtration of organic and aqueous solutioGrade in HPLC
- Purification of aqueous and organic solutioGrade
- Filtration of protein solutioGrade

Product Code	Description	Packaging (Pcs/Box)
RCS0402	RC syringe filter, Diameter: 4mm, Pore Size: 0.22μm	200
RCS0404	RC syringe filter, Diameter: 4mm, Pore Size: 0.45μm	200
RCS1302	RC syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
RCS1304	RC syringe filter, Diameter: 13mm, Pore Size: 0.45μm	100
RCS2502	RC syringe filter, Diameter: 25mm, Pore Size: 0.22μm	100
RCS2504	RC syringe filter, Diameter: 25mm, Pore Size: 0.45μm	100
RCS3302	RC syringe filter, Diameter: 33mm, Pore Size: 0.22μm	100
RCS3304	RC syringe filter, Diameter: 33mm, Pore Size: 0.45μm	100

Hydrophilic PVDF(Polyvinylidene Fluoride) Syringe Filter





ApplicatioGrade

- Aqueous or mild organic solutioGrade
- Biological solutioGrade

Product Code	Description	Packaging (Pcs/Box)
PV0402	Hydrophilic PVDF syringe filter, Diameter: 4mm, Pore Size: 0.22μm	200
PV0404	Hydrophilic PVDF syringe filter, Diameter: 4mm, Pore Size: 0.45μm	200
PV1302	Hydrophilic PVDF syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
PV1304	Hydrophilic PVDF syringe filter, Diameter: 13mm, Pore Size: 0.45μm	100
PV2502	Hydrophilic PVDF syringe filter, Diameter: 25mm, Pore Size: 0.22μm	100
PV2504	Hydrophilic PVDF syringe filter, Diameter: 25mm, Pore Size: 0.45μm	100
PV3302	Hydrophilic PVDF syringe filter, Diameter: 33mm, Pore Size: 0.22μm	100
PV3304	Hydrophilic PVDF syringe filter, Diameter: 33mm, Pore Size: 0.45μm	100

Hydrophilic PTFE(Polytetrafluoroethylene) Syringe Filter





ApplicatioGrade

- Filtration of organic and aqueous solutioGrade in HPLC
- Purification of aqueous and organic solutioGrade

Product Code	Description	Packaging (Pcs/Box)
HPT0402	Hydrophilic PTFE syringe filter, Diameter: 4mm, Pore Size: 0.22μm	200
HPT0404	Hydrophilic PTFE syringe filter, Diameter: 4mm, Pore Size: 0.45μm	200
HPT1302	Hydrophilic PTFE syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
HPT1304	Hydrophilic PTFE syringe filter, Diameter: 13mm, Pore Size: 0.45μm	100
HPT2502	Hydrophilic PTFE syringe filter, Diameter: 25mm, Pore Size: 0.22μm	100
HPT2504	Hydrophilic PTFE syringe filter, Diameter: 25mm, Pore Size: 0.45μm	100
HPT3302	Hydrophilic PTFE syringe filter, Diameter: 33mm, Pore Size: 0.22μm	100
HPT3304	Hydrophilic PTFE syringe filter, Diameter: 33mm, Pore Size: 0.45μm	100

Glass Fiber Syringe Filter



ApplicatioGrade

- Used as a pre-filter
- Purification of organic solvents and strong acids

Product Code	Description	Packaging (Pcs/Box)
GSF1307	Glass Fiber syringe filter, Diameter: 13mm, Pore Size: 0.7μm	100
GSF1310	Glass Fiber syringe filter, Diameter: 13mm, Pore Size: 1.0μm	100
GSF2507	Glass Fiber syringe filter, Diameter: 25mm, Pore Size: 0.7μm	100
GSF2510	Glass Fiber syringe filter, Diameter: 25mm, Pore Size: 1.0μm	100

PP(polypropylene) Syringe Filter



ApplicatioGrade

- Used as a pre-filter
- Big particles filtration

Product Code	Description	Packaging (Pcs/Box)
PP1302	PP syringe filter, Diameter: 13mm, Pore Size: 0.22μm	100
PP1304	PP syringe filter, Diameter: 13mm, Pore Size: 0.45μm	100
PP2502	PP syringe filter, Diameter: 25mm, Pore Size: 0.22μm	100
PP2504	PP syringe filter, Diameter: 25mm, Pore Size: 0.45μm	100

In-Line Gas & Venting Filter Syringe Filter

Syringe Filter is also named vacuum protection filter or gas line filter. Filter units with hydrophobic PTFE membrane are ideal for sterilizing gases, venting sterile containers, and sterilizing or clarifying organic solutioGrade and protect your laboratory.



ApplicatioGrade

- Sterile venting of small containers
- General sterile filtration of gases and air
- Sterilizing or clarifying organic solutioGrade
- Decreases contamination risks, ideal for gas lines for CO2 incubators
- Aggressive solvents filtration

SpecificatioGrade

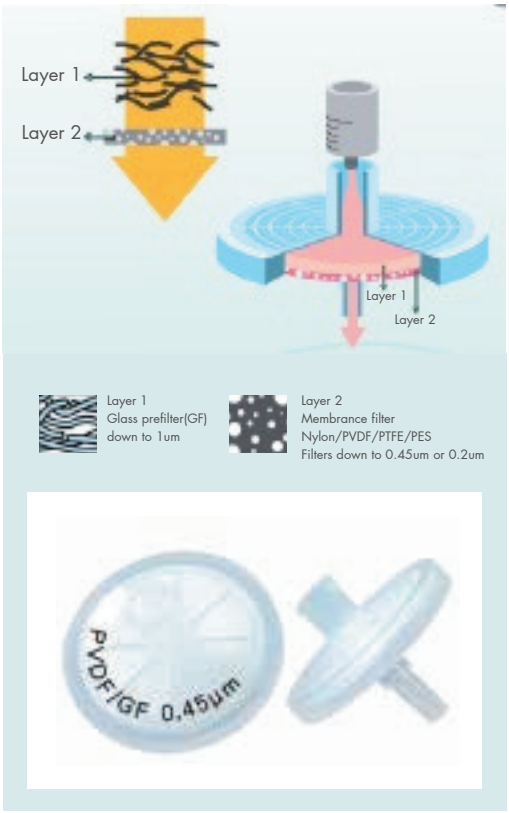
Material	Hydrophobic PTFE with PP supported
Housing	PP
Effective Filtration Area	19.6cm^2
Inlet/Outlet	1/4'' to 1/2'' Hose Barb

Order Information

Product Code	Description	Inlet/Outlet	Packaging (Pcs/Box)
PTS5002	Hydrophobic PTFE syringe filter，Diameter: 50mm, Pore Size: 0.22μm	1/4'' to 1/2'' Hose Barb	12
PTS5004	Hydrophobic PTFE syringe filter，Diameter: 50mm, Pore Size: 0.45μm	1/4'' to 1/2'' Hose Barb	12
PTS5001	Hydrophobic PTFE syringe filter，Diameter: 50mm, Pore Size: 0.1μm	1/4'' to 1/2'' Hose Barb	12

Syringe Filter With Glass Fiber

Syringe Filters are specifically designed for high particulate loaded samples. Glass fiber pre-filters eliminate sample contamination and allow you to filter even the most difficult samples with less hand pressure.



Features and Advantages

- High particulate loaded samples filtration
- With glass fiber pre-filter
- Can process one time more sample volume than unprotected membranes.
- Syringe filter with triple membranes is equivalent to Whatman GD/X

SpecificatioGrade

Diameter	13mm	25mm
Pre-filter	Glass Fiber	
Membrane	Nylon, PES, RC, Hydrophilic PTFE, Hydrophilic PVDF	
Pore Size	GF/0.7μm+0.22μm, GF/0.7μm +0.45μm	3.9cm²
Effective Filtration Area	0.65cm²	5.2bar
Maximum Pressure	5bar	
Material of Housing	Medical grade PP	
Inlet/Outlet	Female Luer Lock/Male Slip Luer	

Order Information

Product Code	Description	Packaging (Pcs/Box)
NGF1302	syringe filter，GF pre-filter+Nylon，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
NGF1304	syringe filter，GF pre-filter+Nylon，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
NGF2502	syringe filter，GF pre-filter+Nylon，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
NGF2504	syringe filter，GF pre-filter+Nylon，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
PGF1302	syringe filter，GF pre-filter+PES，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
PGF1304	syringe filter，GF pre-filter+PES，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
PGF2502	syringe filter，GF pre-filter+PES，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
PGF2504	syringe filter，GF pre-filter+PES，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
RGF1302	syringe filter，GF pre-filter+RC，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
RGF1304	syringe filter，GF pre-filter+RC，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
RGF2502	syringe filter，GF pre-filter+RC，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
RGF2504	syringe filter，GF pre-filter+RC，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
HGF1302	syringe filter，GF pre-filter+ Hydrophilic PVDF，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
HGF1304	syringe filter，GF pre-filter+ Hydrophilic PVDF，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
HGF2502	syringe filter，GF pre-filter+ Hydrophilic PVDF，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
HGF2504	syringe filter，GF pre-filter+ Hydrophilic PVDF，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
PGF1302	syringe filter，GF pre-filter+ Hydrophilic PTFE，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
PGF1304	syringe filter，GF pre-filter+ Hydrophilic PTFE，Diameter: 13mm, Pore Size: 0.7μm+0.22μm	100
PGF2502	syringe filter，GF pre-filter+ Hydrophilic PTFE，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100
PGF2504	syringe filter，GF pre-filter+ Hydrophilic PTFE，Diameter: 25mm, Pore Size: 0.7μm+0.22μm	100

Sterile Syringe Filter

Syringe Filters are individually packed and sterilized by gamma radiation. Each syringe filter is printed with lot No. and expiry date for easy QC tracking.



FIVE types of Membrane

- PES with high flow rate
- Hydrophilic PVDF with low protein binding
- RC with wide chemical resistance
- Nylon recommended for filtration of DMSO
- Hydrophilic PTFE recommended to filtration of aggressive solvents.



ApplicatioGrade

- Tissue culture media preparation
- Sterile filtration and clarification of biological fluids
- Buffers

SpecificatioGrade

Diameter	33mm
Memebrane	Nylon，PES，Hydrophilic PVDF，RC, Hydrophilic PTFE
Pore Size	0.22μm，0.45μm
Effective Filtration Area	4.5cm²
Maximum Pressure	5bar
Material of Housing	Medical grade PP
Inlet/Outlet	Female Luer Lock/Male Slip Luer
Sterilized	Gamma radiation

Order Information

Product Code	Description	Packaging（Pcs/Box）
PSF3302	PES syringe filter, Diameter: 33mm, Pore Size: 0.22μm，Sterile, Individually packed	50
PSF3304	PES syringe filter, Diameter: 33mm, Pore Size: 0.45μm，Sterile, Individually packed	50
RSF3302	RC syringe filter, Diameter: 33mm, Pore Size: 0.22μm，Sterile, Individually packed	50
RSF3304	RC syringe filter , Diameter: 33mm, Pore Size: 0.45μm，Sterile, Individually packed	50
PSF3302	Hydrophilic PVDF syringe filter , Diameter: 33mm, Pore Size: 0.22μm，Sterile,Individually packed	50
PSF3304	Hydrophilic PVDF syringe filter, Diameter: 33mm, Pore Size: 0.45μm，Sterile,Individually packed	50
HSF3302	Hydrophilic PTFE syringe filter , Diameter: 33mm, Pore Size: 0.22μm，Sterile,Individually packed	50
HSF3304	Hydrophilic PTFE syringe filter, Diameter: 33mm, Pore Size: 0.45μm，Sterile,Individually packed	50
NSF3302	Nylon syringe filter, Diameter: 33mm, Pore Size: 0.22μm，Sterile,Individually packed	50
NSF3304	Nylon syringe filter, Diameter: 33mm, Pore Size: 0.45μm，Sterile,Individually packed	50

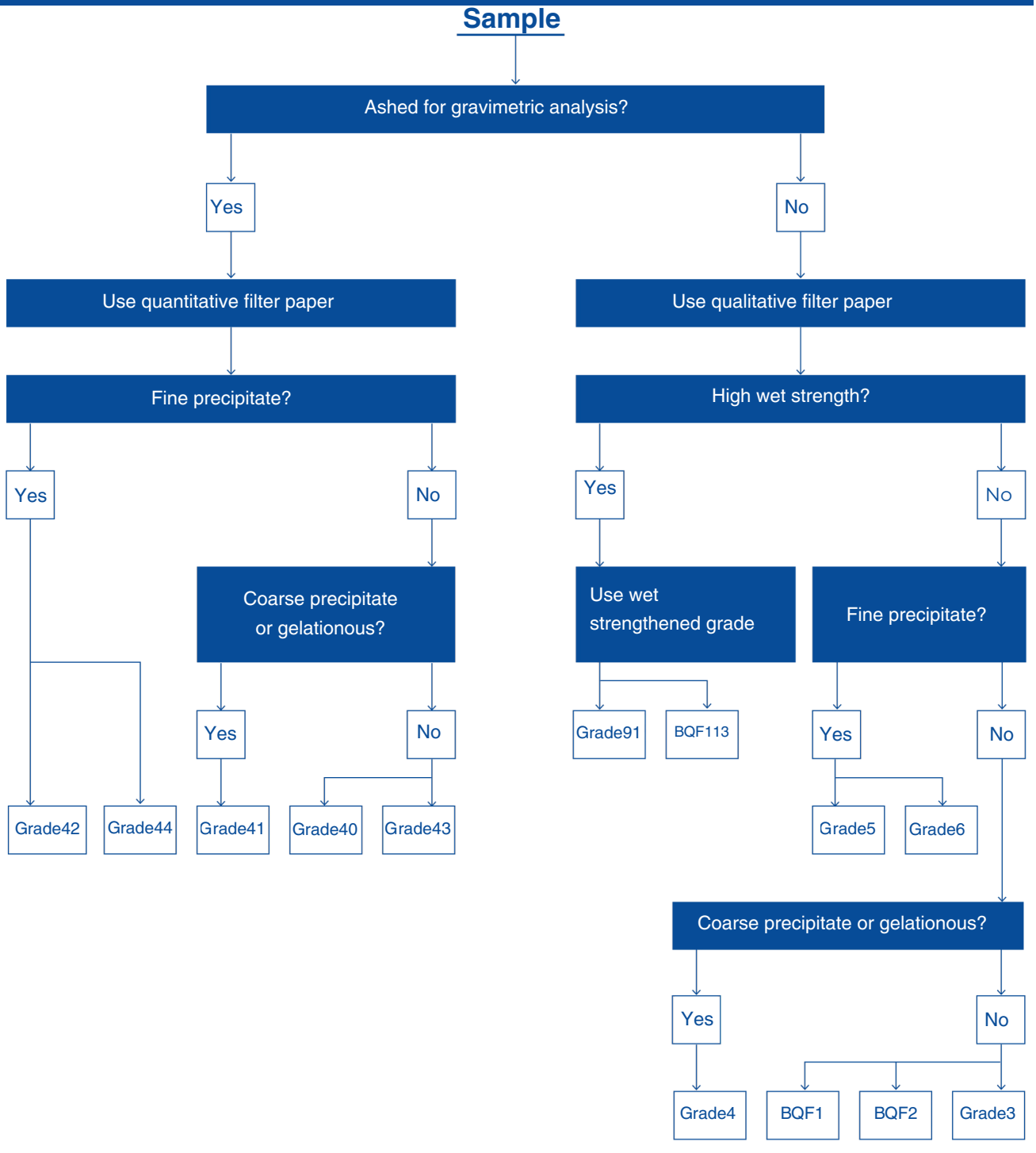
Buchner Syringe Filter Chemical Compatibility Table

Legend: Compatible ·· , Partial Compatibility·,Incompatible - , Unanalyzed None

	Filter	NYL	PES	MCE	CA	RC	PVDF	PTFE	GF	PP
	Solvent									
1	Acetone	··	–	–	–	··	–	··	··	··
2	Acetontrile	··	–	–	–	··	·	··	··	·
3	Benzene	··	·	·	·	··	··	··	··	–
4	Benzyl Achohol	··	–	–	–	··	·	··	··	··
5	n-butyl ocytate	··	–	–	–	··	None	··	··	None
6	n-Butanol	··	·	·	·	··	··	··	··	··
7	Cellosolve	··	·	–	–	··	None	··	··	·
8	Chloroform	–	–	–	–	··	·	··	··	·
9	Cyclohexanone	··	–	–	·	··	–	··	··	··
10	Dimethylsulfoxice(DMSO)	··	–	–	–	··	–	··	··	··
11	Diethyl ether	··	–	·	·	··	··	··	··	·
12	Dimethyl formamide(DMF)	·	–	–	–	·	·	··	··	··
13	Dioxane	··	–	–	–	··	·	··	··	·
14	Ethonol	··	·	–	··	··	··	··	··	··
15	Ethyl acetate	··	–	–	–	··	··	··	··	None
16	Ethylene glycol	··	·	–	·	··	··	··	··	··
17	Formamide	··	··	–	–	·	·	··	··	None
18	Gasoline	··	·	·	·	··	··	··	··	··
19	Glycerin	··	··	··	··	··	··	··	··	··
20	n-Heptane	··	·	·	·	··	··	··	··	–
21	n-Hexane	··	·	·	·	··	··	··	··	–
22	Isobutonol	··	··	·	·	··	··	··	··	··
23	Isopropanol	··	··	Z	·	··	··	··	··	··
24	Isopropyl acetate	··	–	–	–	··	··	··	··	None
25	30% Methanol	··	··	None	None	··	··	··	··	··
26	98%/ Methanol	··	·	–	–	··	·	··	··	··
27	Methyl acetote	··	–	–	–	··	–	··	··	·
28	Methylene chloride	None	–	–	–	··	–	··	··	–
29	Methyl ethyl ketone	··	–	–	–	··	–	··	··	·
30	Methyl isobutyl ketone	··	–	–	–	··	–	··	··	–
31	Monochlorobenzene	··	·	–	·	··	·	··	··	··
32	Nitrobenzene	·	–	–	–	··	··	··	··	–
33	n-Pentane	··	··	·	·	··	·	··	··	–
34	Pyridine	None	–	–	–	··	·	·	··	··
35	Petroleum Ether	··	None	–	–	··	··	·	··	–
36	Carbon tetrachloride	None	·	··	–	··	··	·	··	None
37	Tetrahydrohuron (THF)	··	–	–	–	··	–	··	··	–
38	Toluene	··	–	·	·	··	··	··	··	–
39	Trichloroethane	None	–	–	–	··	None	··	··	–
40	Trichloroethylene	None	–	–	–	··	··	··	··	–
41	Xylene	··	–	·	·	··	··	··	··	–

	Filter	NYL	PES	MCE	CA	RC	PVDF	PTFE	GF	PP
	Acids									
1	25% Acetic acid	–	·	–	·	··	··	··	··	··
2	80% Acetic acid	–	None	–	–	··	··	··	·	··
3	20% Hydrochloric acid	–	··	–	–	–	··	··	··	··
4	25% Hydrofluoric acid	–		–	–		·	··		
5	25% Nitric acid	–	·	–	–	–	··	··	··	··
6	1% Phosphoric acid	–	··	–	·	–	··	··	··	··
7	25% Sulfuric acid	–		–	–		·	··	··	··
8	98% Sulfuric acid	–	–	–	–	–		·	··	–
9	10% Trichloroacetic acid	–	–	–	–	··	··	··	·	··
	Alkalines									
1	25% Ammonium hydroxide	··		–				·		··
2	1N Sodium Hydroxide	··	··					·		··
3	32% Potassium hydroxide		··	–	–	–		··		··
	Aqueous Solution									
1	30% formalin	·			·					··
2	30% Hydrogen peroxide	–	··	–	–	–	·	·	··	None
3	5% Sodium hypochlorite	–	··	–	–	–	·	··	··	None
4	30% Formaldehyde	··		–			·			·
	pH Range									
	pH 1-14	–	–	–	–	–	–	·	·	·
	pH 1-8	–	–	–	·	–	·	·	··	··
	pH 3-14	··	·	–	–	·	–	··	··	··
	pH 3-12	··	··	–		··		··	··	··
	pH 4-8		··		··	·	·			··
	pH 6-14	··	·	··	–	·	–	··	·	·

Selection Guide



Buchner Cellulose Filter Papers

Cellulose filter papers are essential for modern laboratory and industrial filtration. Buchner offers a wide selection of premium cellulose filter papers featuring optimized retention and flow rate combinations for diverse applications.
To ensure superior performance, Buchner filter papers are manufactured using top-tier cotton linters rich in α-cellulose. Our experienced specialists meticulously select raw materials, and we implement rigorous in-process quality controls. Through continuous checks and exact testing, Buchner guarantees constant high quality, reliability, and product uniformity in every batch.



Buchner Qualitative Filter Papers - Standard Grade

Buchner qualitative filter papers are are particularly suited for general laboratory filtratioGrade s to determine and identify materials. Buchner qualitative filterpapers containing nearly 100% high alpha-cellulose are produced under tightly controlled manufacturing condition.The average ash content is less than 0.15 %.The speed of filtration and particle retention depends on the particular grade of qualitative filter paper.

Grade 1: 11 µm

BQF1is the most widely used filter paper for general applicatioGrade. It has medium flow rate and medium particle retention. It is often used in qualitative analytical separatioGrade for precipitates such as calcium oxalate (hot) ,lead sulfate and calcium carbonate. This grade is frequently used for liquids clarificatioGrade, soil analysis , seed testing procedures, gas detection, air pollution monitoring, separating solid foodstuffs from associated liquid or extracting liquid.





Grade 2: 8 µm

Buchner Grade 2 qualitative filter paper offers a slightly lower filtration speed compared to Grade 1, but compensates with finer particle retention and higher absorption capabilities. It is engineered for routine laboratory applications requiring reliable efficiency and precise particle management.

Grade 3: 6µm

Buchner Grade 3 qualitative filter paper is engineered for heavy-duty applications requiring exceptional structural integrity. Featuring twice the thickness of Grade 1, it offers outstanding loading capacity, superior absorbency, and significantly higher wet strength to withstand demanding filtration processes.

Grade 4: 20-25µm

Buchner Grade 4 is a high-speed, fast-filtering qualitative paper designed for the rapid clearance of coarse particles and gelatinous precipitates. It offers excellent flow rates and reliability during routine clean-up analyses, making it an essential grade for fast-paced laboratory environments.

Grade 5: 2.5 µm

Buchner Grade 5 is a slow-flow qualitative filter paper designed to retain fine particles encountered in qualitative analysis. Buchner Grade 5 is widely used in Buchner funnels and to clarify cloudy suspensions. It is highly effective for water clarification and soil analysis applications.

Grade 6: 3 µm

Buchner Grade 6 qualitative filter paper is specifically engineered to deliver a faster flow rate than Grade 5 while maintaining a highly efficient, fine particle retention profile. It provides the perfect balance of speed and precision for demanding analytical applications involving fine precipitates.

SpecificatioGrade – qualitative filter papers – standard grades

Grade	Speed	Particle retention in liquid (µm)[1]	Flow rate (s)[2]	Thickness (mm)	Basis weight (g/m^2)	Wet burststrength (mm HO)[3]	Ash content (<%)[4]
Grade 1	Medium	11	40-50	0.18	87	260	0.15
Grade 2	Medium	8	55-60	0.21	103	290	0.15
Grade 3	Medium-slow	6 20-	80-90	0.38	187	350	0.15
Grade 4	Fast	25	15-20	0.21	97	260	0.15
Grade 5	Slow	2.5	250-300	0.19	99	350	0.15
Grade 6	Slow	3	90-100	0.18	102	350	0.15

1 Particle retention rating at 98% efficiency

2 Flow rate is the time for filtering 10ml(23±1℃)distillated water through 10cm2 filter paper 3 Wet burst strength is measured by wet burst strength iGradetrument

4 Ash is determined by ignition of the cellulose filter at 900˚C in air

Order information – qualitative filter papers – standard grades

Product Code	Description	Qty/pk
Grade 1		
BQF1-070	Grade 1 Qualitative Filter Paper Standard Grade, circle, 70 mm	100
BQF1-085	Grade 1 Qualitative Filter Paper Standard Grade, circle, 85 mm	100
BQF1-090	Grade 1 Qualitative Filter Paper Standard Grade, circle, 90 mm	100
BQF1-110	Grade 1 Qualitative Filter Paper Standard Grade, circle, 110 mm	100
BQF1-125	Grade 1 Qualitative Filter Paper Standard Grade, circle, 125 mm	100
BQF1-150	Grade 1 Qualitative Filter Paper Standard Grade, circle, 150 mm	100
BQF1-185	Grade 1 Qualitative Filter Paper Standard Grade, circle, 185 mm	100
BQF1-240	Grade 1 Qualitative Filter Paper Standard Grade, circle, 240 mm	100
BQF1-270	Grade 1 Qualitative Filter Paper Standard Grade, circle, 270 mm,	100
BQF1-320	Grade 1 Qualitative Filter Paper Standard Grade, circle, 320 mm	100
BQF1-385	Grade 1 Qualitative Filter Paper Standard Grade, circle, 385 mm	100
BQF1-400	Grade 1 Qualitative Filter Paper Standard Grade, circle, 400mm	100
BQF1-813	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 26x31 mm	1000
BQF1-824	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 75x100 mm	500
BQF1-917	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 460x570 mm	100
BQF1-918	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 460x570 mm	500
BQF1-929	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 600x600 mm	100
BQF1-931	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 580x680 mm	100
BQF1-932	Grade 1 Qualitative Filter Paper Standard Grade, sheet, 580x680 mm	500
Grade 2		
BQF2-070	Grade 2 Qualitative Filter Paper Standard Grade, circle, 70 mm	100
BQF2-090	Grade 2 Qualitative Filter Paper Standard Grade, circle, 90 mm	100
BQF2-110	Grade 2 Qualitative Filter Paper Standard Grade, circle, 110 mm	100
BQF2-125	Grade 2 Qualitative Filter Paper Standard Grade, circle, 125 mm	100
BQF2-150	Grade 2 Qualitative Filter Paper Standard Grade, circle, 150 mm	100
BQF2-185	Grade 2 Qualitative Filter Paper Standard Grade, circle, 185 mm	100
BQF2-240	Grade 2 Qualitative Filter Paper Standard Grade, circle, 240 mm	100
BQF2-270	Grade 2 Qualitative Filter Paper Standard Grade, circle, 270 mm	100
BQF2-320	Grade 2 Qualitative Filter Paper Standard Grade, circle, 320 mm	100
BQF2-385	Grade 2 Qualitative Filter Paper Standard Grade, circle, 385 mm	100
BQF2-500	Grade 2 Qualitative Filter Paper Standard Grade, circle, 500 mm	100
BQF2-917	Grade 2 Qualitative Filter Paper Standard Grade, sheet, 460x570 mm	100
BQF2-929	Grade 2 Qualitative Filter Paper Standard Grade, sheet, 600x600 mm	100
BQF2-931	Grade 2 Qualitative Filter Paper Standard Grade, sheet, 580x680 mm	100
Grade 3		
BQF3-070	Grade 3 Qualitative Filter Paper Standard Grade, circle, 70 mm	100
BQF3-090	Grade 3 Qualitative Filter Paper Standard Grade, circle, 90 mm	100

BQF3-110	Grade 3 Qualitative Filter Paper Standard Grade, circle, 110 mm	100
BQF3-125	Grade 3 Qualitative Filter Paper Standard Grade, circle, 125 mm	100
BQF3-150	Grade 3 Qualitative Filter Paper Standard Grade, circle, 150 mm	100
BQF3-185	Grade 3 Qualitative Filter Paper Standard Grade, circle, 185 mm	100
BQF3-240	Grade 3 Qualitative Filter Paper Standard Grade, circle, 240 mm	100
BQF3-320	Grade 3 Qualitative Filter Paper Standard Grade, circle, 320 mm	100
BQF3-917	Grade 3 Qualitative Filter Paper Standard Grade, sheet, 460x570 mm	100
Grade 4		
BQF4-070	Grade 4 Qualitative Filter Paper Standard Grade, circle, 70 mm	100
BQF4-090	Grade 4 Qualitative Filter Paper Standard Grade, circle, 90 mm	100
BQF4-110	Grade 4 Qualitative Filter Paper Standard Grade, circle, 110 mm	100
BQF4-125	Grade 4 Qualitative Filter Paper Standard Grade, circle, 125 mm	100
BQF4-150	Grade 4 Qualitative Filter Paper Standard Grade, circle, 150 mm	100
BQF4-185	Grade 4 Qualitative Filter Paper Standard Grade, circle, 185 mm	100
BQF4-240	Grade 4 Qualitative Filter Paper Standard Grade, circle, 240 mm	100
BQF4-270	Grade 4 Qualitative Filter Paper Standard Grade, circle, 270 mm	100
BQF4-320	Grade 4 Qualitative Filter Paper Standard Grade, circle, 320 mm	100
BQF4-400	Grade 4 Qualitative Filter Paper Standard Grade, circle, 400 mm	100
BQF4-917	Grade 4 Qualitative Filter Paper Standard Grade, sheet, 460x570 mm	100
BQF4-930	Grade 4 Qualitative Filter Paper Standard Grade, sheet, 580x580 mm	100
Grade 5		
BQF5-070	Grade 5 Qualitative Filter Paper Standard Grade, circle, 70 mm	100
BQF5-090	Grade 5 Qualitative Filter Paper Standard Grade, circle, 90 mm	100
BQF5-110	Grade 5 Qualitative Filter Paper Standard Grade, circle, 110 mm	100
BQF5-125	Grade 5 Qualitative Filter Paper Standard Grade, circle, 125 mm	100
BQF5-150	Grade 5 Qualitative Filter Paper Standard Grade, circle, 150 mm	100
BQF5-185	Grade 5 Qualitative Filter Paper Standard Grade, circle, 185 mm	100
BQF5-240	Grade 5 Qualitative Filter Paper Standard Grade, circle, 240 mm	100
BQF5-320	Grade 5 Qualitative Filter Paper Standard Grade, circle, 320 mm	100
Grade 6		
BQF6-070	Grade 6 Qualitative Filter Paper Standard Grade, circle, 70 mm, 100 per pack	100
BQF6-090	Grade 6 Qualitative Filter Paper Standard Grade, circle, 90 mm, 100 per pack	100
BQF6-110	Grade 6 Qualitative Filter Paper Standard Grade, circle, 110 mm, 100 per pack	100
BQF6-125	Grade 6 Qualitative Filter Paper Standard Grade, circle, 125 mm, 100 per pack	100
BQF6-150	Grade 6 Qualitative Filter Paper Standard Grade, circle, 150 mm, 100 per pack	100
BQF6-185	Grade 6 Qualitative Filter Paper Standard Grade, circle, 185 mm, 100 per pack	100
BQF6-240	Grade 6 Qualitative Filter Paper Standard Grade, circle, 240 mm, 100 per pack	100

Buchner Qualitative Filter Papers – Wet Strengthened Grades

Buchner™ Wet-Strengthened Qualitative Filter Papers are specially treated to maintain high mechanical stability and structural integrity even when completely saturated with moisture or handling aggressive aqueous solutions. To achieve this superior durability, a minimal, precise quantity of chemically stable resin is incorporated into the cellulose fibers during manufacturing. This reinforcing agent prevents the paper from tearing, bursting, or shredding during rigorous or high-pressure filtration workflows.

Grade 91: 10 µm

Buchner Wet Strengthened qualitative filter papers are specially treated with a small quantity of chemically stable, nitrogen-containing resin to provide high mechanical strength when wet. This allows the paper to withstand high pressure, vacuum filtration, or handling with wet precipitates without tearing or rupturing.



Grade 93: 10 µm

Buchner Grade 93 is a highly versatile, general-purpose filter paper designed for routine laboratory analysis. It offers a balanced performance profile, operating as an intermediate grade that fills the gap between Grade 1 and Grade 4 in both flow rate and particle retention efficiency.

Grade 113: 30 µm

Buchner Grade 113 is the thickest and most robust filter paper in the Buchner qualitative range. Featuring a distinct creped (textured) surface, it is specifically engineered to deliver the fastest flow rate and maximum sediment-loading capacity within the entire series.

Grade 114: 25 µm

Buchner Grade 114 is designed as a thinner version of the heavy-duty Grade 113, offering excellent filtration efficiency with a high flow rate. Unlike the creped surface of Grade 113, Grade 114 features a smooth surface finish, making it exceptionally user-friendly for applications where recovering the retained precipitate is required.

pecificatioGrade – qualitative filter papers –wet strengthened grades

Grade	Speed	Particle retention in liquid (µm)[1]	Thickness (mm)	Basis weight (g/m^2)
Grade 91	Medium	10	205	65
Grade 93	Medium	10	145	65
Grade 113	Fast	30	420	125
Grade 114	Fast	25	190	75

Order information – qualitative filter papers –wet strengthened grades

Product Code	Description	Qty/pk
Grade 91		
BQF91-110	Grade 91 Qualitative Filter Paper Wet-Strengthened, circle, 110 mm	4000(subdivided into 100)
BQF91-125	Grade 91 Qualitative Filter Paper Wet-Strengthened, circle, 125 mm	4000(subdivided into 100)
BQF91-150	Grade 91 Qualitative Filter Paper Wet-Strengthened, circle, 150 mm	1000(subdivided into 100)
BQF91-165	Grade 91 Qualitative Filter Paper Wet-Strengthened, circle, 165 mm	1000(subdivided into 100)
BQF91-185	Grade 91 Qualitative Filter Paper Wet-Strengthened, circle, 185 mm	1000(subdivided into 100)
BQF91-190	Grade 91 Qualitative Filter Paper Wet-Strengthened, circle, 190 mm	1000(subdivided into 100)
BQF91-240	Grade 91 Qualitative Filter Paper Wet-Strengthened, circle, 240 mm	1000(subdivided into 100)
BQF91-930	Grade 91 Qualitative Filter Paper Wet-Strengthened, sheet, 58 x 58 cm	500
BQF91-935	Grade 91 Qualitative Filter Paper Wet-Strengthened, sheet, 61 x 61 cm	500
Grade 93		
BQF93-110	Grade 93 Qualitative Filter Paper Wet-Strengthened, circle, 110 mm	100
BQF93-125	Grade 93 Qualitative Filter Paper Wet-Strengthened, circle, 125 mm	100
BQF93-930	Grade 93 Qualitative Filter Paper Wet-Strengthened, sheets, 58 x 58 mm	500
BQF93-935	Grade 93 Qualitative Filter Paper Wet-Strengthened, sheets, 61 x 61 mm	500
Grade 113		
BQF113-090	Grade 113 Qualitative Filter Paper Wet-Strengthened, circle, 90 mm	100
BQF113-110	Grade 113 Qualitative Filter Paper Wet-Strengthened, circle, 110 mm	100
BQF113-125	Grade 113 Qualitative Filter Paper Wet-Strengthened, circle, 125 mm	100
BQF113-150	Grade 113 Qualitative Filter Paper Wet-Strengthened, circle, 150 mm	100
BQF113-185	Grade 113 Qualitative Filter Paper Wet-Strengthened, circle, 185 mm	100
BQF113-240	Grade 113 Qualitative Filter Paper Wet-Strengthened, circle, 240 mm	100
BQF113-320	Grade 113 Qualitative Filter Paper Wet-Strengthened, circle, 320 mm	100
BQF113-500	Grade 113 Qualitative Filter Paper Wet-Strengthened, circle, 500 mm	100
Grade 114		
BQF114-090	Grade 114 Qualitative Filter Paper Wet-Strengthened, circle, 90 mm	100
BQF114-125	Grade 114 Qualitative Filter Paper Wet-Strengthened, circle, 125 mm	100
BQF114-150	Grade 114 Qualitative Filter Paper Wet-Strengthened, circle, 150 mm	100
BQF114-185	Grade 114 Qualitative Filter Paper Wet-Strengthened, circle, 185 mm	100
BQF114-240	Grade 114 Qualitative Filter Paper Wet-Strengthened, circle, 240 mm	100
BQF114-400	Grade 114 Qualitative Filter Paper Wet-Strengthened, circle, 400 mm	100

Buchner Quantitative Filter Papers – Ashless Grades (Ash＜0.01%)



Buchner quantitative filters are designed for gravimetric analysis and the preparation of samples for iGradetrumental analysis. They are very pure filters ideal for a wide range of critical analytical filtration procedures with maximum 0.01% ash.

Grade 40: 8 μm



Buchner Grade 40 is the industry standard and most commonly used ashless (quantitative) filter paper. It is engineered to provide a balanced performance with a medium flow rate and medium particle retention efficiency. This high-purity grade is ideal for critical analytical tasks and gravimetric analysis where precise sediment measurement is required.

Grade 41: 20-25 μm

Buchner Grade 41 is the fastest filtering ashless quantitative paper in the Buchner range. It is purpose-engineered for rapid filtration procedures involving large, coarse particles and gelatinous precipitates. This grade combines maximum flow rates with high purity, making it ideal for fast-paced analytical workflows and environmental monitoring.

Grade 42: 2.5 μm

Buchner™ Grade 42 is a premium-grade, high-efficiency ashless quantitative filter paper engineered specifically for critical gravimetric analysis. It features a tight, high-density fiber structure designed to trap and retain extremely fine crystalline precipitates, ensuring zero sample loss during high-precision analytical assays.

Grade 43: 16 μm

Buchner™ Grade 43 is a high-purity ashless quantitative filter paper designed to offer an intermediate performance profile. It perfectly bridges the gap between Grade 40 (medium retention) and Grade 41 (fast flow/coarse retention), making it an excellent multi-purpose grade for busy analytical laboratories that require both reliable speed and precise particle collection.

Grade 44: 3 μm

Buchner Grade 44 is a specialized high-purity ashless filter paper engineered for critical gravimetric analysis requiring fine particle retention. It features a thinner profile than Grade 42, which allows it to deliver a filtration speed that is twice as fast as Grade 42 without sacrificing retention efficiency. This makes it an excellent choice for high-throughput labs needing precise metal determination for ultra-fine crystalline precipitates.

SpecificatioGrade – quantitative filter papers – ashless grades

Grade	Speed	Particle retention in liquid (µm)[1]	Flow rate (s)[2]	Thickness (mm)	Basis weight (g/m^2)	Wet burststrength (mm H_2O)[3]	Ash content (<%)[4]
Grade 40	Medium	8	80-90	0.21	95	280	0.01
Grade 41	Fast	20	20-30	0.22	85	280	0.01
Grade 42	Slow	2.5	200-240	0.2	100	280	0.01
Grade 43	Medium-fast	16	40-60	0.22	95	280	0.01
Grade 44	Slow	3	150-180	0.18	77	280	0.01

1 Particle retention rating at 98% efficiency

2 Flow rate is the time for filtering 10ml(23±1℃)distillated water through 10cm2 filter paper

3 Wet burst strength is measured by wet burst strength iGradetrument

4 Ash is determined by ignition of the cellulose filter at 900˚C in air

Order information – quantitative filter papers – ashless grades

Product Code	Description	Qty/pk
Grade 40		
BQF40-070	Grade 40 Ashless Quantitative Filter Paper , circle, 70 mm	100
BQF40-090	Grade 40 Ashless Quantitative Filter Paper , circle, 90 mm	100
BQF40-110	Grade 40 Ashless Quantitative Filter Paper , circle, 110mm	100
BQF40-125	Grade 40 Ashless Quantitative Filter Paper , circle, 125mm	100
BQF40-150	Grade 40 Ashless Quantitative Filter Paper , circle, 150mm	100
BQF40-185	Grade 40 Ashless Quantitative Filter Paper , circle, 185mm	100
BQF40-240	Grade 40 Ashless Quantitative Filter Paper , circle, 240mm	100
BQF40-320	Grade 40 Ashless Quantitative Filter Paper , circle, 320mm	100
BQF40-6168	Grade 40 Ashless Quantitative Filter Paper , circle, 450mm	100
BQF40-917	Grade 40 Ashless Quantitative Filter Paper ,sheet，460mmx 570 mm	100
Grade 41		
BQF41-070	Grade 41 Ashless Quantitative Filter Paper , circle, 70 mm	100
BQF41-090	Grade 41 Ashless Quantitative Filter Paper , circle, 90 mm	100
BQF41-110	Grade 41 Ashless Quantitative Filter Paper , circle, 110mm	100
BQF41-125	Grade 41 Ashless Quantitative Filter Paper , circle, 125mm	100
BQF41-150	Grade 41 Ashless Quantitative Filter Paper , circle, 150mm	100
BQF41-185	Grade 41 Ashless Quantitative Filter Paper , circle, 185mm	100
BQF41-240	Grade 41 Ashless Quantitative Filter Paper , circle, 240mm	100
BQF41-320	Grade 41 Ashless Quantitative Filter Paper , circle, 320mm	100
BQF41-866	Grade 41 Ashless Quantitative Filter Paper , sheet,203 mm x 254 mm	100
BQF41-917	Grade 41 Ashless Quantitative Filter Paper , sheet,460 mm x 570 mm	100

Grade 42		
BQF42-070	Grade 42 Ashless Quantitative Filter Paper , circle, 70 mm	100
BQF42-090	Grade 42 Ashless Quantitative Filter Paper , circle, 90 mm	100
BQF42-110	Grade 42 Ashless Quantitative Filter Paper , circle, 110 mm	100
BQF42-125	Grade 42 Ashless Quantitative Filter Paper , circle, 125 mm	100
BQF42-150	Grade 42 Ashless Quantitative Filter Paper , circle, 150 mm	100
BQF42-185	Grade 42 Ashless Quantitative Filter Paper , circle, 185 mm	100
BQF42-240	Grade 42 Ashless Quantitative Filter Paper , circle, 240mm	100
BQF42-320	Grade 42 Ashless Quantitative Filter Paper , circle, 320mm	100
BQF42-917	Grade 42 Ashless Quantitative Filter Paper , sheet, 460mm x 570 mm	100
Grade 43		
BQF43-090	Grade 43 Ashless Quantitative Filter Paper , circle, 90 mm	100
BQF43-110	Grade 43 Ashless Quantitative Filter Paper , circle, 110 mm	100
BQF43-125	Grade 43 Ashless Quantitative Filter Paper , circle, 125 mm	100
BQF43-150	Grade 43 Ashless Quantitative Filter Paper , circle, 150 mm	100
BQF43-185	Grade 43 Ashless Quantitative Filter Paper , circle, 185 mm	100
Grade 44		
BQF44-070	Grade 44 Ashless Quantitative Filter Paper , circle, 70 mm	100
BQF44-090	Grade 44 Ashless Quantitative Filter Paper , circle, 90 mm	100
BQF44-110	Grade 44 Ashless Quantitative Filter Paper , circle, 110 mm	100
BQF44-125	Grade 44 Ashless Quantitative Filter Paper , circle, 125 mm	100
BQF44-150	Grade 44 Ashless Quantitative Filter Paper , circle, 150mm	100
BQF44-185	Grade 44 Ashless Quantitative Filter Paper , circle, 185 mm	100
BQF44-240	Grade 44 Ashless Quantitative Filter Paper , circle, 240 mm	100

Buchner cellulose chromatography papers

Buchner™ Cellulose Chromatography Papers are meticulously manufactured from the highest grade of pure cotton linters. Boasting an alpha-cellulose content of nearly 100%, these papers deliver exceptional chemical purity, preventing background interference and ensuring clear, uncontaminated analytical results.

Grade 1 Chr

Buchner Grade BQF1 Chr is the industry-standard chromatography paper engineered for reliable and precise analytical separations. Featuring a medium flow rate and an exceptionally smooth, uniform white surface, it ensures excellent resolution, sharp zone definition, and consistent capillary action for routine laboratory chromatography workflows.



Grade 2 Chr

Buchner Grade BQF2 Chr is a specialized, thin chromatography paper designed for high-precision analytical applications. Operating at a lower capillary flow rate than Grade BQF1 Chr, this grade provides extended separation times that result in significantly higher resolution. Its exceptionally uniform structure makes it the ideal choice for sensitive optical or radiometric scanning workflows.

Grade 3 Chr

Buchner™ Grade BQF3 Chr is a reliable, medium-thickness chromatography paper engineered to handle medium-to-heavy solute loading. Designed for general analytical applications, its increased thickness and structural integrity allow it to absorb larger sample volumes without compromising band stability, making it highly effective for complex separation profiles.

Grade 3MM Chr

uchner™ Grade BQF3 Chr is a reliable, medium-thickness chromatography paper engineered to handle medium-to-heavy solute loading. Designed for general analytical applications, its increased thickness and structural integrity allow it to absorb larger sample volumes without compromising band stability, making it highly effective for complex separation profiles.

Grade 4 Chr

Buchner™ Grade BQF4 Chr is designed specifically for high-speed, routine chromatography applications. It delivers a significantly faster capillary flow rate compared to Grade BQF1 Chr, making it the ideal choice for quick analytical procedures. It performs exceptionally well in routine operations where sample loading is relatively low and rapid results are preferred over ultra-high resolution.

Grade 31ET Chr

Buchner™ Grade BQF31ET Chr is a premium, ultra-thick chromatography paper engineered specifically for demanding, high-throughput laboratory separations. It features an exceptionally high capillary flow rate and superior structural stability, making it the industry-recommended choice for handling large molecular weight compounds and complex analytical runs.

SpecificatioGrade – qualitative filter papers – standard grades

Grade	Flow rate(mm/30 min)	Thickness(mm)
Grade 1 Chr	130	0.18
Grade 2 Chr	115	0.18
Grade 3 Chr	130	0.36
Grade 3MM Chr	130	0.34
Grade 4 Chr	180	0.21
Grade 31ET Chr	225	0.50

1 Particle retention rating at 98% efficiency

2 Flow rate is the time for filtering 10ml(23±1℃)distillated water through 10cm2 filter paper

3 Wet burst strength is measured by wet burst strength iGradetrument

4 Ash is determined by ignition of the cellulose filter at 900˚C in air

Order information –cellulose chromatography papers

Product Code	Description	Qty/pk
Grade 1 Chr		
BCR1-964	Grade 1 Chr Strips, 11×21.3cm with 12 strips of 1.5cm， Grade 1 Chr Sheet divided into 15mm lanes for running up to 12 samples in parallel	100
BCR1-845	Grade 1 Chr Sheets, 10×30cm	100
BCR1-861	Grade 1 Chr Sheets, 20×20cm	100
BCR1-878	Grade 1 Chr Sheets, 25×25cm	100
BCR1-917	Grade 1 Chr Sheets, 46×57cm	100
BCR1-931	Grade 1 Chr Sheets, 58×68cm	1
BCR1-604	Grade 1 Chr Roll, 1.0cm×100m	1
BCR1-614	Grade 1 Chr Roll, 2.0cm×100m	1
BCR1-640	Grade 1 Chr Roll, 3.0cm×100m	1
BCR1-652	Grade 1 Chr Roll, 4.0cm×100m	1
BCR1-653	Grade 1 Chr Roll, 5.0cm×100m	1
BCR1-672	Grade 1 Chr Roll, 10.0cm×100m	1
BCR1-681	Grade 1 Chr Roll, 15.0cm×100m	1
BCR1-651	Grade 1 Chr Roll, 1.5"×300ft	1
Grade 2 Chr		
BCR2-917	Grade 2 Chr Sheets, 46×57cm	100
BCR2-911	Grade 2 Chr Sheets, 58×60cm	100
Grade 3 Chr		
BCR1-917	Grade 3 Chr Sheets, 46×57cm	100

Grade 3MM Chr		
B3MM-024	Grade 3MM Chr Circles, 2.4cm	100
B3MM-025	Grade 3MM Chr Circles, 2.5cm	100
B3MM-6185	Grade 3MM Chr sheets, 11×14cm	100
B3MM-6132	Grade 3MM Chr sheets, 12×14cm	100
B3MM-153	Grade 3MM Chr sheets, 15×17.5cm	100
B3MM-6188	Grade 3MM Chr sheets, 15×20cm	100
B3MM-221	Grade 3MM Chr sheets, 18×34cm	100
B3MM-861	Grade 3MM Chr sheets, 20×20cm	100
B3MM-6461	Grade 3MM Chr sheets, 26×41cm	100
B3MM-347	Grade 3MM Chr sheets, 35×43cm	100
B3MM-392	Grade 3MM Chr sheets, 35×45cm	100
B3MM-335	Grade 3MM Chr sheets, 31.5×35.5cm	100
B3MM-917	Grade 3MM Chr sheets, 46×57cm	100
B3MM-931	Grade 3MM Chr sheets, 58×68cm	100
B3MM-6189	Grade 3MM Chr sheets, 4×5.25"	100
B3MM-6187	Grade 3MM Chr sheets, 6×8"	100
B3MM-866	Grade 3MM Chr sheets, 8×10"	100
B3MM-614	Grade 3MM Chr roll, 2cm×100m	1
B3MM-662	Grade 3MM Chr roll, 7.5cm×100m	1
B3MM-672	Grade 3MM Chr roll, 10cm×100m	1
B3MM-675	Grade 3MM Chr roll, 12.5cm×100m	1
B3MM-681	Grade 3MM Chr roll, 15cm×100m	1
B3MM-690	Grade 3MM Chr roll, 19cm×100m	1
B3MM-700	Grade 3MM Chr roll, 23cm×100m	1
B3MM-704	Grade 3MM Chr roll, 27cm×100m	1
Grade 4 Chr		
BCR4-917	Grade 4 Chr Sheets, 46×57cm	100
BCR4-614	Grade 4 Chr Roll, 2.0cm×100m	1
Grade 31ET Chr		
BCR31-901	Grade 31ET Chr sheets, 2×5cm	1000
BCR31-915	Grade 31ET Chr sheets, 46×57cm	25
BCR31-917	Grade 31ET Chr sheets, 46×57cm	100
BCR31-681	Grade 31ET Chr roll, 15.0cm×100m	1

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