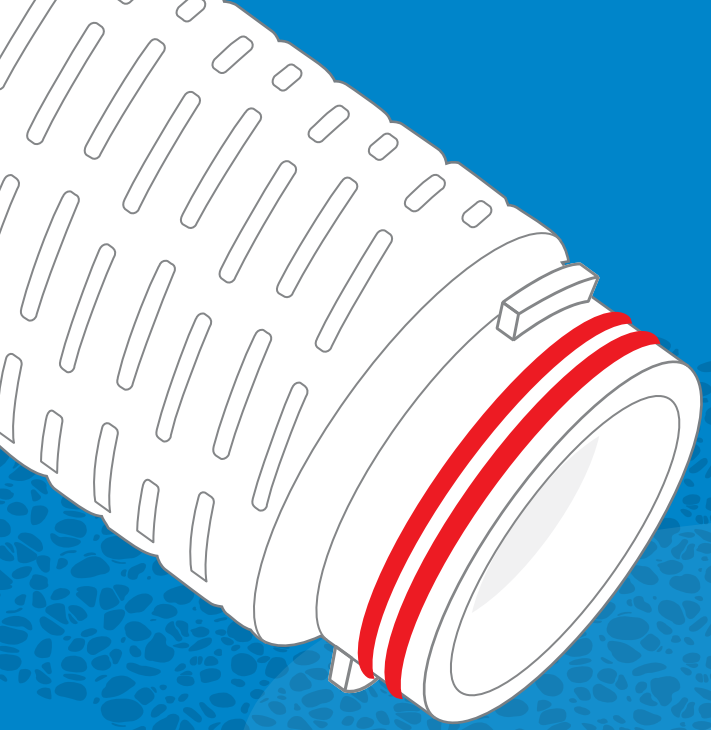
cobetter®
filtration

Laboratory Consumables Catalog



cobetter®
filtration

Filtration
Separation
Purification

Cobetter dedicates itself to providing Filtration, Separation, & Purification

Provided over 6,500+ technical analysis reports for clients (2025),

Delivered a cumulative total of more than 42,000+ process validation reports for pharmaceutical clients.

AVL Center

Application and Validation Laboratory Center

For Life Science Applications

- Bacterial challenge test
- Extractables and Leachables test
- Chemical compatibility test
- Integrity test
- Customized filtration solutions
- Filtration process optimization services
- Ultrafiltration process optimization services
- Single-use solutions and validation services
- Particle distribution and efficiency testing
- Pollutant analysis service

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C13 Gamma Irradiation Center

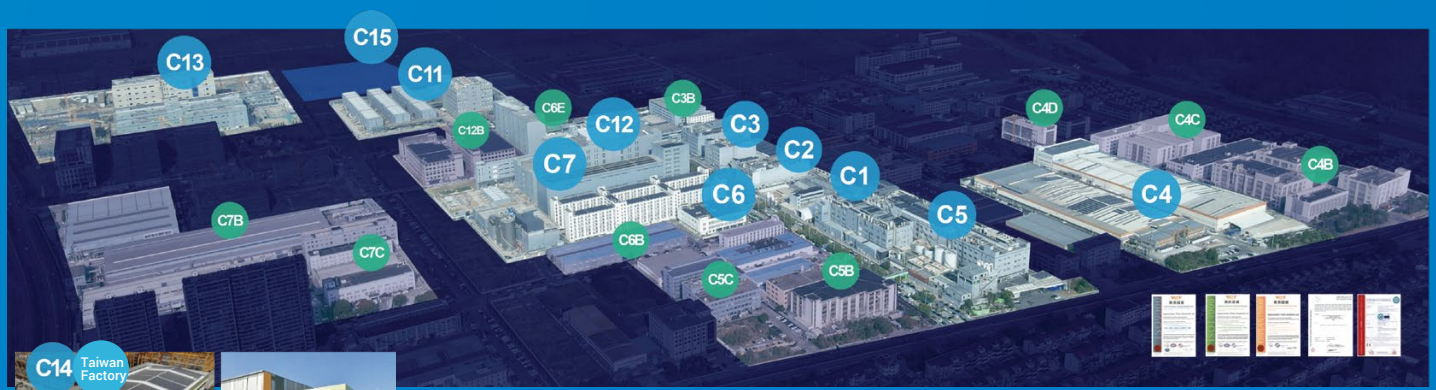
C11 Degassing Membrane & ECMO Membrane & Hollow Fiber Modules

C12 BioPharma Filter Manufacturing

C8 Cobetter R&D Headquarters

C9 Multi-layer Co-extruded Film & Single-Use Bags Manufacturing

C10 Virus Clearance Validation Services Center
Newtron Bioassay Co.,Ltd



C1 Factory
Membrane Filter Manufacturing
9400 SQM

C2 Factory
Depth Filter Manufacturing
9000 SQM

C3 Biopharma Filter Manufacturing
13500 SQM

C4 Factory
Stainless Filter Manufacturing
Fluoroplastics Resurtech Manufacturing
28000 SQM

C5 AVL Center
& Single - Use Bag Manufacturing
41000 SQM

C6 Multi-functional Building
33000 SQM

C7 Automated Storage and Retrieval System
11000 SQM

Catalog

Membrane Filters

PVDF Transfer Membrane

Syringe Filters

Pressure Filters

Ultrafiltration

Microbiology Testing

Tubing

Tube Fitting

Aseptic Connector

EC Easy Connector

Tri-Clamp Sets

Tri-Clamp Sets

Sterile Sampling

Pressure Reading System

Instruments

Membrane Filters

Selection Guide

Liquid	Aqueous	Tissue culture media, buffer	PES
		Biological samples, protein solutions	CA
		Protein filtration	PVDF
		Particle analysis, microbiology	MCE
		Solvent mixture	Nylon / PTFE
	Solvent	Non-polar (hydrophobic)	PTFE
		Polar (Hydrophilic)	Nylon
		Strong acid & alkali	PTFE
Air			PTFE






PES Membrane Filter

PES Membrane Filter possesses a unique asymmetric pore structure, with high porosity, fast flow rates, and high throughput. They exhibit low protein binding and have chemical compatibility ranging from pH 3 to 14, not resistant to ketones, esters, and similar compounds. PES membranes are the preferred choice for fluid sterile filtration.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPES-2213	PES	13 mm	0.22 μm	100
MFPES-2225	PES	25 mm	0.22 μm	50
MFPES-2247	PES	47 mm	0.22 μm	50
MFPES-2250	PES	50 mm	0.22 μm	50
MFPES-2260	PES	60 mm	0.22 μm	25
MFPES-2290	PES	90 mm	0.22 μm	25
MFPES-4513	PES	13 mm	0.45 μm	100
MFPES-4525	PES	25 mm	0.45 μm	50
MFPES-4547	PES	47 mm	0.45 μm	50
MFPES-4550	PES	50 mm	0.45 μm	50
MFPES-4560	PES	60 mm	0.45 μm	25
MFPES-4590	PES	90 mm	0.45 μm	25

Other pore size: 0.1, 0.65, 0.8, 1.2, 3.0, 5.0, 8.0 μm;

Other diameter: 100, 110, 142, 150, 200, 250, 293 mm

MCE Membrane Filter

Mixed Cellulose Ester (MCE) membranes are composed of cellulose nitrate (CN) and cellulose acetate (CA). They are one of the most widely used membranes in laboratory analysis and research applications, with chemical compatibility in the pH range of 4 to 8.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFMCE-2213	MCE	13 mm	0.22 μm	100
MFMCE-2225	MCE	25 mm	0.22 μm	50
MFMCE-2247	MCE	47 mm	0.22 μm	50
MFMCE-2250	MCE	50 mm	0.22 μm	50
MFMCE-2260	MCE	60 mm	0.22 μm	25
MFMCE-2290	MCE	90 mm	0.22 μm	25
MFMCE-4513	MCE	13 mm	0.45 μm	100
MFMCE-4525	MCE	25 mm	0.45 μm	50
MFMCE-4547	MCE	47 mm	0.45 μm	50
MFMCE-4550	MCE	50 mm	0.45 μm	50
MFMCE-4560	MCE	60 mm	0.45 μm	25
MFMCE-4590	MCE	90 mm	0.45 μm	25

Other pore size: 0.8, 1.2, 3.0, 5.0, 8.0 μm;
Other diameter: 100, 110, 142, 150, 200, 250, 293 mm

Nylon Membrane Filter

Nylon membranes have natural hydrophilicity, making them easily wetted by water, and they possess high mechanical strength. Their chemical compatibility spans pH 3 to 14, making them suitable for filtering aqueous solutions and most organic solvents, particularly alkaline solutions and alcohols. They are recommended for filtering DMSO.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFNY-2213	Nylon	13 mm	0.22 μm	100
MFNY-2225	Nylon	25 mm	0.22 μm	50
MFNY-2247	Nylon	47 mm	0.22 μm	50
MFNY-2250	Nylon	50 mm	0.22 μm	50
MFNY-2260	Nylon	60 mm	0.22 μm	25
MFNY-2290	Nylon	90 mm	0.22 μm	25
MFNY-4513	Nylon	13 mm	0.45 μm	100
MFNY-4525	Nylon	25 mm	0.45 μm	50
MFNY-4547	Nylon	47 mm	0.45 μm	50
MFNY-4550	Nylon	50 mm	0.45 μm	50
MFNY-4560	Nylon	60 mm	0.45 μm	25
MFNY-4590	Nylon	90 mm	0.45 μm	25

Other pore size: 0.1, 0.8, 1.0, 3.0, 5.0 μm;
Other diameter: 100, 110, 142, 150, 200, 250 mm

PTFE Membrane Filter

Polytetrafluoroethylene (PTFE) membranes have exceptional chemical compatibility, with a resistance range of pH 1 to 14, virtually tolerating all organic solvents. Their natural hydrophobic properties make them suitable for gas or air filtration applications. Hydrophobic PTFE membranes can withstand high temperatures up to 200 ℃.
Modified hydrophilic PTFE membranes can directly filter aqueous solutions without the need for pre-wetting with ethanol or isopropanol.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPT-2213	Hydrophobic PTFE	13 mm	0.22 μm	100
MFPT-2225	Hydrophobic PTFE	25 mm	0.22 μm	50
MFPT-2247	Hydrophobic PTFE	47 mm	0.22 μm	50
MFPT-2250	Hydrophobic PTFE	50 mm	0.22 μm	50
MFPT-2260	Hydrophobic PTFE	60 mm	0.22 μm	25
MFPT-2290	Hydrophobic PTFE	90 mm	0.22 μm	25
MFPT-4513	Hydrophobic PTFE	113 mm	0.45 μm	100
MFPT-4525	Hydrophobic PTFE	25 mm	0.45 μm	50
MFPT-4547	Hydrophobic PTFE	47 mm	0.45 μm	50
MFPT-4550	Hydrophobic PTFE	50 mm	0.45 μm	50
MFPT-4560	Hydrophobic PTFE	60 mm	0.45 μm	25
MFPT-4590	Hydrophobic PTFE	90 mm	0.45 μm	25
MFPTH-1013	Hydrophilic PTFE	13 mm	0.1 μm	100
MFPTH-1025	Hydrophilic PTFE	25 mm	0.1 μm	50
MFPTH-1047	Hydrophilic PTFE	47 mm	0.1 μm	50
MFPTH-1050	Hydrophilic PTFE	50 mm	0.1 μm	50
MFPTH-1060	Hydrophilic PTFE	60 mm	0.1 μm	25
MFPTH-1090	Hydrophilic PTFE	90 mm	0.1 μm	25
MFPTH-2213	Hydrophilic PTFE	13 mm	0.22 μm	100
MFPTH-2225	Hydrophilic PTFE	25 mm	0.22 μm	50
MFPTH-2247	Hydrophilic PTFE	47 mm	0.22 μm	50
MFPTH-2250	Hydrophilic PTFE	50 mm	0.22 μm	50
MFPTH-2260	Hydrophilic PTFE	60 mm	0.22 μm	25
MFPTH-2290	Hydrophilic PTFE	90 mm	0.22 μm	25
MFPTH-4513	Hydrophilic PTFE	13 mm	0.45 μm	100
MFPTH-4525	Hydrophilic PTFE	25 mm	0.45 μm	50
MFPTH-4547	Hydrophilic PTFE	47 mm	0.45 μm	50
MFPTH-4550	Hydrophilic PTFE	50 mm	0.45 μm	50
MFPTH-4560	Hydrophilic PTFE	60 mm	0.45 μm	25
MFPTH-4590	Hydrophilic PTFE	90 mm	0.45 μm	25

Other pore size: 1.0, 3.0, 5.0 μm;
Other diameter: 100, 110, 142, 150, 250, 293 mm

PVDF Membrane Filter

Hydrophilic Polyvinylidene Fluoride (PVDF) membranes exhibit good chemical compatibility, with a resistance range of pH 1 to 8, although they cannot withstand acetone, DMSO, THF, DMF, dimethyl carbonate, chloroform, and similar solvents. PVDF membranes are widely used for filtering protein samples and biological products.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPVH-1013	Hydrophilic PVDF	13 mm	0.1 μm	100
MFPVH-1025	Hydrophilic PVDF	25 mm	0.1 μm	50
MFPVH-1047	Hydrophilic PVDF	47 mm	0.1 μm	50
MFPVH-1050	Hydrophilic PVDF	50 mm	0.1 μm	50
MFPVH-1060	Hydrophilic PVDF	60 mm	0.1 μm	25
MFPVH-1090	Hydrophilic PVDF	90 mm	0.1 μm	25
MFPVH-2213	Hydrophilic PVDF	13 mm	0.22 μm	100
MFPVH-2225	Hydrophilic PVDF	25 mm	0.22 μm	50
MFPVH-2247	Hydrophilic PVDF	47 mm	0.22 μm	50
MFPVH-2250	Hydrophilic PVDF	50 mm	0.22 μm	50
MFPVH-2260	Hydrophilic PVDF	60 mm	0.22 μm	25
MFPVH-2290	Hydrophilic PVDF	90 mm	0.22 μm	25
MFPVH-4547	Hydrophilic PVDF	13 mm	0.45 μm	100
MFPVH-4547	Hydrophilic PVDF	25 mm	0.45 μm	50
MFPVH-4547	Hydrophilic PVDF	47 mm	0.45 μm	50
MFPVH-4550	Hydrophilic PVDF	50 mm	0.45 μm	50
MFPVH-4547	Hydrophilic PVDF	60 mm	0.45 μm	25
MFPVH-4547	Hydrophilic PVDF	90 mm	0.45 μm	25

Other pore size: 1.0 μm;

Other diameter: 100, 110, 142, 150, 200, 250 mm

PP Membrane Filter

Polypropylene (PP) membranes exhibit excellent resistance to organic solvents, high dirt-holding capacity, and fast flow rates. They are especially suitable for filtering solutions with high levels of impurities or high viscosity. PP membranes can withstand temperatures of up to 80°C.

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
MFPP-2213	Hydrophobic PP	13 mm	0.22 μm	25
MFPP-2225	Hydrophobic PP	25 mm	0.22 μm	25
MFPP-2247	Hydrophobic PP	47 mm	0.22 μm	25
MFPP-2250	Hydrophobic PP	50 mm	0.22 μm	25
MFPP-2260	Hydrophobic PP	60 mm	0.22 μm	25
MFPP-2290	Hydrophobic PP	90 mm	0.22 μm	25
MFPP-4513	Hydrophobic PP	13 mm	0.45μm	50
MFPP-4525	Hydrophobic PP	25 mm	0.45μm	50
MFPP-4547	Hydrophobic PP	47 mm	0.45μm	50
MFPP-4550	Hydrophobic PP	50 mm	0.45μm	50
MFPP-4560	Hydrophobic PP	60 mm	0.45μm	25
MFPP-4590	Hydrophobic PP	90 mm	0.45μm	25

Other pore size: 0.1, 1.0, 3.0, 5.0, 10.0, 20.0 μm;
Other diameter: 100, 110, 142, 150, 200, 250, 293 mm

PP Prefilter for ÄKTA Systems

Cobetter PP prefilters are suitable for online filtration in ÄKTA chromatography systems. They are used for prefiltration of feed liquids, extending the lifespan of chromatography columns.

Features

- Smooth, with no obvious hair or fiber shedding
- Compatible with organic solvents and salt buffers commonly used in chromatography

Ordering Information

Part No.	Membrane	Pore size	Qty/pk
PT16H-10	PP	10 mm	10

PVDF Transfer Membrane

Protein transfer is an important step in Western blot analysis, where proteins separated in gel are transferred to a solid supporting matrix by electrophoresis. Anchoring a protein to a solid support matrix helps detect a specific protein using antibodies against the target protein.

Typical Applications

· 0.45 μm for most blots, especially for proteins larger than 20kDa
· Compatibility: Compatible with commonly used transfer conditions and detection methods (e.g., dye, CLIA, radiolabels, etc.)

Features

· Smooth and flat surface, not easy to curl
· High mechanical strength, easy to be stripped and reprobed multiple times
· Uniform pore size, high mobility, clear and neat bands
· High sensitivity to ensure the success rate of low-abundance protein detection

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
3350YH-R2703	Hydrophobic PVDF	27.5 cm x 3.75 m	0.2 μm	1 roll
3350YH-F150	Hydrophobic PVDF	15 x 15 cm	0.2 μm	50 pcs
3350YH-F200	Hydrophobic PVDF	20 x 20 cm	0.2 μm	50 pcs
3350YH-F8470	Hydrophobic PVDF	8.4 x 7 cm	0.2 μm	50 pcs
2770H-R2703	Hydrophobic PVDF	27.5 cm x 3.75 m	0.45 μm	1 roll
2770H-F150	Hydrophobic PVDF	15 x 15 cm	0.45 μm	50 pcs
2770H-F200	Hydrophobic PVDF	20 x 20 cm	0.45 μm	50 pcs
2770H-F8470	Hydrophobic PVDF	8.4 x 7 cm	0.45 μm	50 pcs

Cellulose Filter Paper for Western Blot

Western Blotting filter papers are made of high-quality cotton cellulose fiber without any additives of any kind, features a uniform texture and smooth surface. They are produced with ultrapure water which contains no impurities and minimizes background signal. Cobetter offers pre-cut sheets for direct use in doing Southern, Northern, and Western transfers, including wet transfer and semi-dry transfer methods. With a medium thickness of 380 μm and dimensions of 7.5×8.4 cm, it is compatible with standard transfer apparatuses and easy to operate. These western blotting filter paper facilitates efficient and rapid transfer of protein molecules from gel to membrane.

Specifications

Material	Cotton Cellulose
Application	Western Blotting Filter Paper
Wettability	Hydrophilic
Thickness	0.38 mm
	0.85 mm
Dimensions	7.5 x 8.4 cm
	20 x 20 cm
Package	Pack of 100 or Pack of 20

Features

· Convenient: pre-cut sheets to save time

· Standard size: compatible with most minigel transfer assemblies

· Tested: compatible with alcohol or other organic solvents commonly used in protein transfer applications

Ordering Information

Part No.	Thickness	Size	Qty/pk
CF-04-F8475	Filter Paper, 0.38 mm	7.5 x 8.4 cm	50
CF-04-F200200	Filter Paper, 0.38 mm	20 x 20 cm	20
CF-08-F8475	Filter Paper, 0.85 mm	7.5 x 8.4 cm	50
CF-08-F200200	Filter Paper, 0.85 mm	20 x 20 cm	20

Syringe Filters

Cobetter color-coded syringe filters are specifically designed to filter samples for chromatographic analysis, removing particles and microorganisms from aqueous and organic solvents.

Selection Guide

Aqueous	PES		High throughput, low protein adsorption
	PVDF		Low protein binding, suitable for filtration of biological samples
	RC		Low adsorption and low extraction, resistant to most organic reagents
	GF/PES		Glass fiber pre-filter combined with polyethersulfone effectively increases the dirt holding capacity
Organic	PTFE		Hydrophobic and hydrophilic available, strong acid and alkali resistance
	Nylon		Compatible with organic and aqueous solutions, not resistant to strong alkali
Prefiltration	PP		High dirt holding capacity, wide chemical compatibility
	GF		Filtration of coarse particles or viscous solutions
	MCE		Widely used in water quality analysis and detection

PES Syringe Filters

Typical Applications

- Filtration of aqueous solutions
- Sterile filtration of tissue culture media and protein solutions

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
SFMPES-1013	PES	13 mm	0.1 µm	100
SFMPES-2213	PES	13 mm	0.22 µm	100
SFMPES-4513	PES	13 mm	0.45 µm	100
SFMPES-6513	PES	13 mm	0.65 µm	100
SFMPES-8013	PES	13 mm	0.8 µm	100
SFMPES-12013	PES	13 mm	1.2 µm	100
SFMPES-30013	PES	13 mm	3.0 µm	100
SFMPES-50013	PES	13 mm	5.0 µm	100
SFMPES-1025	PES	25 mm	0.1 µm	100
SFMPES-2225	PES	25 mm	0.22 µm	100
SFMPES-4525	PES	25 mm	0.45 µm	100
SFMPES-6525	PES	25 mm	0.65 µm	100
SFMPES-8025	PES	25 mm	0.8 µm	100
SFMPES-12025	PES	25 mm	1.2 µm	100
SFMPES-30025	PES	25 mm	3.0 µm	100
SFMPES-50025	PES	25 mm	5.0 µm	100
SFMPES-1033	PES	33 mm	0.1 µm	100
SFMPES-2233	PES	33 mm	0.22 µm	100
SFMPES-4533	PES	33 mm	0.45 µm	100
SFMPES-6533	PES	33 mm	0.65 µm	100
SFMPES-8033	PES	33 mm	0.8 µm	100
SFMPES-12033	PES	33 mm	1.2 µm	100
SFMPES-30033	PES	33 mm	3.0 µm	100
SFMPES-50033	PES	33 mm	5.0 µm	100

Hydrophilic PVDF Syringe Filters

Typical Applications

- Clarification of protein solutions
- Filtration of biological samples

Ordering Information

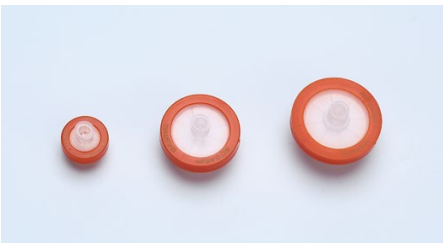
Part No.	Membrane	Diameter	Pore size	Qty/pk
SFMPVH-1013	Hydrophilic PVDF	13 mm	0.1 µm	100
SFMPVH-2213	Hydrophilic PVDF	13 mm	0.22 µm	100
SFMPVH-4513	Hydrophilic PVDF	13 mm	0.45 µm	100
SFMPVH-6513	Hydrophilic PVDF	13 mm	0.65 µm	100
SFMPVH-10013	Hydrophilic PVDF	13 mm	1.0 µm	100
SFMPVH-1025	Hydrophilic PVDF	25 mm	0.1 µm	100
SFMPVH-2225	Hydrophilic PVDF	25 mm	0.22 µm	100
SFMPVH-4525	Hydrophilic PVDF	25 mm	0.45 µm	100
SFMPVH-6525	Hydrophilic PVDF	25 mm	0.65 µm	100
SFMPVH-10025	Hydrophilic PVDF	25 mm	1.0 µm	100
SFMPVH-1033	Hydrophilic PVDF	33 mm	0.1 µm	100
SFMPVH-2233	Hydrophilic PVDF	33 mm	0.22 µm	100
SFMPVH-4533	Hydrophilic PVDF	33 mm	0.45 µm	100
SFMPVH-6533	Hydrophilic PVDF	33 mm	0.65 µm	100
SFMPVH-8033	Hydrophilic PVDF	33 mm	1.0 µm	100

Regenerated Cellulose (RC) Syringe Filters

Typical Applications

- Low binding and low extractables
- Resistant to most organic solvents

Ordering Information



Part No.	Membrane	Diameter	Pore size	Qty/pk
SFMRC-2213	RC	13 mm	0.22 µm	100
SFMRC-4513	RC	13 mm	0.45 µm	100
SFMRC-2225	RC	25 mm	0.22 µm	100
SFMRC-4525	RC	25 mm	0.45 µm	100
SFMRC-2233	RC	33 mm	0.22 µm	100
SFMRC-4533	RC	33 mm	0.45 µm	100

HP (GF+PES) Syringe Filters

Typical Applications

- Glass fiber pre-filter combined with polyethersulfone (PES) effectively increases the dirt holding capacity
- Filtration of large particle and viscous samples

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
SFHPPES-2213	GF+PES	13 mm	0.22 µm	100
SFHPPES-4513	GF+PES	13 mm	0.45 µm	100
SFHPPES-2225	GF+PES	25 mm	0.22 µm	100
SFHPPES-4525	GF+PES	25 mm	0.45 µm	100
SFHPPES-2233	GF+PES	33 mm	0.22 µm	100
SFHPPES-4533	GF+PES	33 mm	0.45 µm	100

PTFE Syringe Filters

Typical Applications

- Filtration for organic solutions, strong acid and alkali resistance
- Gas filtration

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
SFMPT-1013	Hydrophobic PTFE	13 mm	0.1 µm	100
SFMPT-2213	Hydrophobic PTFE	13 mm	0.22 µm	100
SFMPT-4513	Hydrophobic PTFE	13 mm	0.45 µm	100
SFMPT-8013	Hydrophobic PTFE	13 mm	0.8 µm	100
SFMPT-10013	Hydrophobic PTFE	13 mm	1.0 µm	100
SFMPT-30013	Hydrophobic PTFE	13 mm	3.0 µm	100
SFMPT-50013	Hydrophobic PTFE	13 mm	5.0 µm	100
SFMPT-1025	Hydrophobic PTFE	25 mm	0.1 µm	100
SFMPT-2225	Hydrophobic PTFE	25 mm	0.22 µm	100
SFMPT-4525	Hydrophobic PTFE	25 mm	0.45 µm	100
SFMPT-8025	Hydrophobic PTFE	25 mm	0.8 µm	100
SFMPT-10025	Hydrophobic PTFE	25 mm	1.0 µm	100
SFMPT-30025	Hydrophobic PTFE	25 mm	3.0 µm	100
SFMPT-50025	Hydrophobic PTFE	25 mm	5.0 µm	100
SFMPT-100025	Hydrophobic PTFE	25 mm	10.0 µm	100
SFMPT-1033	Hydrophobic PTFE	33 mm	0.1 µm	100
SFMPT-2233	Hydrophobic PTFE	33 mm	0.22 µm	100
SFMPT-4533	Hydrophobic PTFE	33 mm	0.45 µm	100
SFMPT-8033	Hydrophobic PTFE	33 mm	0.8 µm	100
SFMPT-10033	Hydrophobic PTFE	33 mm	1.0 µm	100
SFMPT-30033	Hydrophobic PTFE	33 mm	3.0 µm	100
SFMPT-50033	Hydrophobic PTFE	33 mm	5.0 µm	100
SFMPT-100033	Hydrophobic PTFE	33 mm	10.0 µm	100
SFMPTH-2213	Hydrophilic PTFE	13 mm	0.22 µm	100
SFMPTH-4513	Hydrophilic PTFE	13 mm	0.45 µm	100
SFMPTH-8013	Hydrophilic PTFE	13 mm	0.8 µm	100
SFMPTH-10013	Hydrophilic PTFE	13 mm	1.0 µm	100
SFMPTH-50013	Hydrophilic PTFE	13 mm	5.0 µm	100
SFMPTH-2225	Hydrophilic PTFE	25 mm	0.22 µm	100
SFMPTH-4525	Hydrophilic PTFE	25 mm	0.45 µm	100
SFMPTH-8025	Hydrophilic PTFE	25 mm	0.8 µm	100
SFMPTH-10025	Hydrophilic PTFE	25 mm	1.0 µm	100
SFMPTH-50025	Hydrophilic PTFE	25 mm	5.0 µm	100
SFMPTH-2233	Hydrophilic PTFE	33 mm	0.22 µm	100
SFMPTH-4533	Hydrophilic PTFE	33 mm	0.45 µm	100
SFMPTH-8033	Hydrophilic PTFE	33 mm	0.8 µm	100
SFMPTH-10033	Hydrophilic PTFE	33 mm	1.0 µm	100
SFMPTH-50033	Hydrophilic PTFE	33 mm	5.0 µm	100

Nylon Syringe Filters

Typical Applications

- Filtration of aqueous and organic solutions
- Commonly used for laboratory analytical filtration

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
SFMNY-1013	Nylon	13 mm	0.1 µm	100
SFMNY-2213	Nylon	13 mm	0.22 µm	100
SFMNY-4513	Nylon	13 mm	0.45 µm	100
SFMNY-8013	Nylon	13 mm	0.8 µm	100
SFMNY-10013	Nylon	13 mm	1.0 µm	100
SFMNY-30013	Nylon	13 mm	3.0 µm	100
SFMNY-50013	Nylon	13 mm	5.0 µm	100
SFMNY-1025	Nylon	25 mm	0.1 µm	100
SFMNY-2225	Nylon	25 mm	0.22 µm	100
SFMNY-4525	Nylon	25 mm	0.45 µm	100
SFMNY-8025	Nylon	25 mm	0.8 µm	100
SFMNY-10025	Nylon	25 mm	1.0 µm	100
SFMNY-30025	Nylon	25 mm	3.0 µm	100
SFMNY-50025	Nylon	25 mm	5.0 µm	100
SFMNY-1033	Nylon	33 mm	0.1 µm	100
SFMNY-2233	Nylon	33 mm	0.22 µm	100
SFMNY-4533	Nylon	33 mm	0.45 µm	100
SFMNY-8033	Nylon	33 mm	0.8 µm	100
SFMNY-10033	Nylon	33 mm	1.0 µm	100
SFMNY-30033	Nylon	33 mm	3.0 µm	100
SFMNY-50033	Nylon	33 mm	5.0 µm	100

PP Syringe Filters

Typical Applications

· Prefiltration
· High dirt holding capacity, removal of large particulate impurities

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
SFUPP-2013	PP	13 mm	0.2 µm	100
SFUPP-4513	PP	13 mm	0.45 µm	100
SFUPP-10013	PP	13 mm	1.0 µm	100
SFMPP-30013	PP	13 mm	3.0 µm	100
SFUPP-50013	PP	13 mm	5.0 µm	100
SFUPP-2025	PP	25 mm	0.2 µm	100
SFUPP-4525	PP	25 mm	0.45 µm	100
SFUPP-10025	PP	25 mm	1.0 µm	100
SFMPP-30025	PP	25 mm	3.0 µm	100
SFUPP-50025	PP	25 mm	5.0 µm	100
SFUPP-2033	PP	33 mm	0.2 µm	100
SFUPP-4533	PP	33 mm	0.45 µm	100
SFUPP-10033	PP	33 mm	1.0 µm	100
SFMPP-30033	PP	33 mm	3.0 µm	100
SFUPP-50033	PP	33 mm	5.0 µm	100

GF Syringe Filters

Typical Applications

· Depth filtration
· Filtration of viscous samples in environmental and food analysis

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
SFUGF-2013	GF	13 mm	0.2 µm	100
SFUGF-4513	GF	13 mm	0.45 µm	100
SFUGF-10013	GF	13 mm	1.0 µm	100
SFUGF-2025	GF	25 mm	0.2 µm	100
SFUGF-4525	GF	25 mm	0.45 µm	100
SFUGF-10025	GF	25 mm	1.0 µm	100
SFUGF-2033	GF	33 mm	0.2 µm	100
SFUGF-4533	GF	33 mm	0.45 µm	100
SFUGF-10033	GF	33 mm	1.0 µm	100

MCE Syringe Filters

Typical Applications

· Economic syringe filters for aqueous solutions filtration
· High throughput, particulate removal filtration

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
SFMMCE-2213	MCE	13 mm	0.22 µm	100
SFMMCE-4513	MCE	13 mm	0.45 µm	100
SFMMCE-8013	MCE	13 mm	0.8 µm	100
SFMMCE-12013	MCE	13 mm	1.2 µm	100
SFMMCE-30013	MCE	13 mm	3.0 µm	100
SFMMCE-2225	MCE	25 mm	0.22 µm	100
SFMMCE-4525	MCE	25 mm	0.45 µm	100
SFMMCE-8025	MCE	25 mm	0.8 µm	100
SFMMCE-12025	MCE	25 mm	1.2 µm	100
SFMMCE-30025	MCE	25 mm	3.0 µm	100
SFMMCE-2233	MCE	33 mm	0.22 µm	100
SFMMCE-4533	MCE	33 mm	0.45 µm	100
SFMMCE-8033	MCE	33 mm	0.8 µm	100
SFMMCE-12033	MCE	33 mm	1.2 µm	100
SFMMCE-30033	MCE	33 mm	3.0 µm	100

HPLC Certified Hydrophilic PTFE Syringe Filters

Features

· Hydrophilic PTFE membrane filter, low adsorption, no leachables
· Filtration for HPLC analysis, ensuring reliable and repeatable results
· High batch stability

Ordering Information

Part No.	Membrane	Diameter	Pore size	Qty/pk
SFUPTH-2013	Hydrophilic PTFE	13 mm	0.2 µm	100
SFUPTH-4513	Hydrophilic PTFE	13 mm	0.45 µm	100
SFUPTH-2025	Hydrophilic PTFE	25 mm	0.2 µm	100
SFUPTH-4525	Hydrophilic PTFE	25 mm	0.45 µm	100

Sterile Syringe Filters

Features

- PES membrane with high flow rate, hydrophilic PVDF membrane with low protein binding
- Unique double-layer membrane structure, higher loading capacity
- Sterile by Gamma irradiation and individually packed

PES Sterile Syringe Filters

Part No.	Membrane	Diameter	Prefilter	Pore size	Sterile	Qty/pk
SFPES-1013S	Single-layer PES	13 mm	/	0.1 μm	Yes	100
SFPES-2213S	Single-layer PES	13 mm	/	0.22 μm	Yes	100
SFPES-4513S	Single-layer PES	13 mm	/	0.45 μm	Yes	100
SFPES-8013S	Single-layer PES	13 mm	/	0.8 μm	Yes	100
SFPES-12013S	Single-layer PES	13 mm	/	1.2 μm	Yes	100
SFPES-30013S	Single-layer PES	13 mm	/	3.0 μm	Yes	100
SFPES-50013S	Single-layer PES	13 mm	/	5.0 μm	Yes	100
SFPES-1025S	Single-layer PES	25 mm	/	0.1 μm	Yes	100
SFPES-2225S	Single-layer PES	25 mm	/	0.22 μm	Yes	100
SFPES-4525S	Single-layer PES	25 mm	/	0.45 μm	Yes	100
SFPES-8025S	Single-layer PES	25 mm	/	0.8 μm	Yes	100
SFPES-12025S	Single-layer PES	25 mm	/	1.2 μm	Yes	100
SFPES-30025S	Single-layer PES	25 mm	/	3.0 μm	Yes	100
SFPES-50025S	Single-layer PES	25 mm	/	5.0 μm	Yes	100
SFPES-1033S	Single-layer PES	33 mm	/	0.1 μm	Yes	100
SFPES-2233S	Single-layer PES	33 mm	/	0.22 μm	Yes	100
SFPES-4533S	Single-layer PES	33 mm	/	0.45 μm	Yes	100
SFPES-8033S	Single-layer PES	33 mm	/	0.8 μm	Yes	100
SFPES-12033S	Single-layer PES	33 mm	/	1.2 μm	Yes	100
SFPES-30033S	Single-layer PES	33 mm	/	3.0 μm	Yes	100
SFPES-50033S	Single-layer PES	33 mm	/	5.0 μm	Yes	100
SFMPES-1013S	Double-layer PES	13 mm	0.2 μm	0.1 μm	Yes	100
SFMPES-2213S	Double-layer PES	13 mm	0.65 μm	0.22 μm	Yes	100
SFMPES-4513S	Double-layer PES	13 mm	0.8 μm	0.45 μm	Yes	100
SFMPES-1025S	Double-layer PES	25 mm	0.2 μm	0.1 μm	Yes	100
SFMPES-2225S	Double-layer PES	25 mm	0.65 μm	0.22 μm	Yes	100
SFMPES-4525S	Double-layer PES	25 mm	0.8 μm	0.45 μm	Yes	100
SFMPES-1033S	Double-layer PES	33 mm	0.2 μm	0.1 μm	Yes	100
SFMPES-2233S	Double-layer PES	33 mm	0.65 μm	0.22 μm	Yes	100
SFMPES-4533S	Double-layer PES	33 mm	0.8 μm	0.45 μm	Yes	100

Hydrophilic PVDF Sterile Syringe Filters

Part No.	Membrane	Diameter	Prefilter	Pore size	Sterile	Qty/pk
SFPVH-1013S	Hydrophilic PVDF	13 mm	/	0.1 μm	Yes	100
SFPVH-2213S	Hydrophilic PVDF	13 mm	/	0.22 μm	Yes	100
SFPVH-4513S	Hydrophilic PVDF	13 mm	/	0.45 μm	Yes	100
SFPVH-6513S	Hydrophilic PVDF	13 mm	/	0.65 μm	Yes	100
SFPVH-10013S	Hydrophilic PVDF	13 mm	/	1.0 μm	Yes	100
SFPVH-1025S	Hydrophilic PVDF	25 mm	/	0.1 μm	Yes	100
SFPVH-2225S	Hydrophilic PVDF	25 mm	/	0.22 μm	Yes	100
SFPVH-4525S	Hydrophilic PVDF	25 mm	/	0.45 μm	Yes	100
SFPVH-6525S	Hydrophilic PVDF	25 mm	/	0.65 μm	Yes	100
SFPVH-10025S	Hydrophilic PVDF	25 mm	/	1.0 μm	Yes	100
SFPVH-1033S	Hydrophilic PVDF	33 mm	/	0.1 μm	Yes	100
SFPVH-2233S	Hydrophilic PVDF	33 mm	/	0.22 μm	Yes	100
SFPVH-4533S	Hydrophilic PVDF	33 mm	/	0.45 μm	Yes	100
SFPVH-6533S	Hydrophilic PVDF	33 mm	/	0.65 μm	Yes	100
SFPVH-10033S	Hydrophilic PVDF	33 mm	/	1.0 μm	Yes	100
SFMPVH-1013S	Hydrophilic PVDF	13 mm	0.2 μm	0.1 μm	Yes	100
SFMPVH-2213S	Hydrophilic PVDF	13 mm	0.65 μm	0.22 μm	Yes	100
SFMPVH-4513S	Hydrophilic PVDF	13 mm	1.0 μm	0.45 μm	Yes	100
SFMPVH-1025S	Hydrophilic PVDF	25 mm	0.2 μm	0.1 μm	Yes	100
SFMPVH-2225S	Hydrophilic PVDF	25 mm	0.65 μm	0.22 μm	Yes	100
SFMPVH-4525S	Hydrophilic PVDF	25 mm	1.0 μm	0.45 μm	Yes	100
SFMVHS-1033S	Hydrophilic PVDF	33 mm	0.2 μm	0.1 μm	Yes	100
SFMPVH-2233S	Hydrophilic PVDF	33 mm	0.65 μm	0.22 μm	Yes	100
SFMPVH-4533S	Hydrophilic PVDF	33 mm	1.0 μm	0.45 μm	Yes	100

Luer Lock Syringe Filters

Features

- 0.22 μm naturally hydrophobic PTFE membrane, low protein-binding hydrophilic PVDF membrane
- Luer Lock Outlet - Secure, leak-free connection

Ordering Information

Part No.	Membrane	Diameter	Pore size	Sterile	Qty/pk
SFH25PT0022S	PTFE	25 mm	0.22 μm	Yes	100
SFH25PT0022	PTFE	25 mm	0.22 μm	Non-sterile, Autoclavable	100
SFH25PT0022GM	PTFE	25 mm	0.22 μm	Non-sterile, Gamma Compatible	100
SFH25PVH0022S	Hydrophilic PVDF	25 mm	0.22 μm	Yes	100
SFH25PVH0022	Hydrophilic PVDF	25 mm	0.22 μm	Non-sterile, Autoclavable	100
SFH25PVH0022GM	Hydrophilic PVDF	25 mm	0.22 μm	Non-sterile, Gamma Compatible	100

Aegivast™ ACE Vent Filters

Features

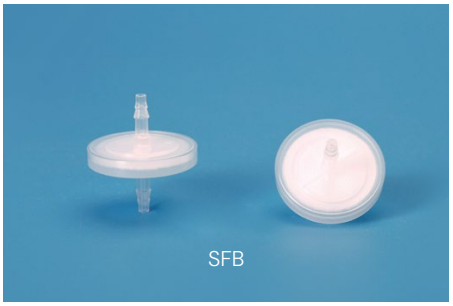
- Natural hydrophobic PTFE membrane
- Low pressure drop
- Reliable bacteria and fine particle retention capability
- Unique product serial number tracking system
- Can be sterilized by gamma irradiation or autoclaved

Typical Applications

- Vent filter for fermenters, storage tanks
- Sterilization filtration of compressed air, O_2, N_2
- Venting filtration for single-use systems

Biosafty

Endotoxin	< 0.25 EU/mL
Biocompatibility	Meet USP <87>, USP <88>



Filter Material

Type	SFU13 / SFU25 / SFU33	V37 / V42	V50B / V50D	SFB
Inlet & Outlet Type	Female Luer Lock inlet, Male Luer Lock outlet.	6-9 mm (1/4"-3/8") Stepped Hose Barb	6-13 mm (1/4"-1/2") Stepped Hose Barb	1/8" Hose Barb
Membrane	0.2 μm Hydrophobic PTFE / 0.2 μm Hydrophobic PVDF / 0.2 μm Hydrophobic PES			
Housing Material	PP			

SFU13/SFU25/SFU33 Syringe Filter Ordering Information

Part No.	Description	Connection	Sterile	Qty/pk
U13CPACEBA1P	13 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U13CPACEBG1P	13 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U13CPACEBS1P	13 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Yes	100
U25CPACEBA1P	25 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U25CPACEBG1P	25 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U25CPACEBS1P	25 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Yes	100
U33CPACEBA1P	33 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U33CPACEBG1P	33 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U33CPACEBS1P	33 mm, ACEB (0.2 µm PTFE)	Female Luer Lock/Male Luer Slip	Yes	100
U13CPAPBBA1P	13 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U13CPAPBBG1P	13 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U13CPAPBBS1P	13 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Yes	100
U25CPAPBBA1P	25 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U25CPAPBBG1P	25 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U25CPAPBBS1P	25 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Yes	100
U33CPAPBBA1P	33 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U33CPAPBBG1P	33 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U33CPAPBBS1P	33 mm, APBB (0.2 µm PVDF)	Female Luer Lock/Male Luer Slip	Yes	100
U13CPAERBA1P	13 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U13CPAERBG1P	13 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U13CPAERBS1P	13 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Yes	100
U25CPAERBA1P	25 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U25CPAERBG1P	25 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U25CPAERBS1P	25 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Yes	100
U33CPAERBA1P	33 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Non-sterile, Autoclavable	100
U33CPAERBG1P	33 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Non-sterile, Gamma Compatible	100
U33CPAERBS1P	33 mm, AERB (0.2 µm PES)	Female Luer Lock/Male Luer Slip	Yes	100

SFB Disc Filter Ordering Information

Part No.	Description	Connection	Sterile	Qty/pk
SFB33ACEBP	33 mm, ACEB (0.2 µm PTFE)	1/8" Hose Barb	Non-sterile, Autoclavable	1
SFB33ACEBGMP	33 mm, ACEB (0.2 µm PTFE)	1/8" Hose Barb	Non-sterile, Gamma Compatible	1
SFB33ACEBSP	33 mm, ACEB (0.2 µm PTFE)	1/8" Hose Barb	Yes	1
SFB33APBBP	33 mm, APBB (0.2 µm PVDF)	1/8" Hose Barb	Non-sterile, Autoclavable	1
SFB33APBBGMP	33 mm, APBB (0.2 µm PVDF)	1/8" Hose Barb	Non-sterile, Gamma Compatible	1
SFB33APBBSP	33 mm, APBB (0.2 µm PVDF)	1/8" Hose Barb	Yes	1
SFB33AERBP	33 mm, AERB (0.2 µm PES)	1/8" Hose Barb	Non-sterile, Autoclavable	1
SFB33AERBGMP	33 mm, AERB (0.2 µm PES)	1/8" Hose Barb	Non-sterile, Gamma Compatible	1
SFB33AERBSP	33 mm, AERB (0.2 µm PES)	1/8" Hose Barb	Yes	1

V37/V42/V50D/V50B Disc Filter Ordering Information

Part No.	Description	Connection	Sterile	Qty/pk
V37EEACEBA1P	V37, ACEB (0.2 µm PTFE)	1/4"- 3/8" Stepped HB	Non-sterile, Autoclavable	1
V37EEACEBG1P	V37, ACEB (0.2 µm PTFE)	1/4"- 3/8" Stepped HB	Non-sterile, Gamma Compatible	1
V37EEACEBS1P	V37, ACEB (0.2 µm PTFE)	1/4"- 3/8" Stepped HB	Yes	1
V42EEACEBA1P	V42, ACEB (0.2 µm PTFE)	1/4"- 3/8" Stepped HB	Non-sterile, Autoclavable	1
V42EEACEBG1P	V42, ACEB (0.2 µm PTFE)	1/4"- 3/8" Stepped HB	Non-sterile, Gamma Compatible	1
V42EEACEBS1P	V42, ACEB (0.2 µm PTFE)	1/4"- 3/8" Stepped HB	Yes	1
V5DBBACEBA1P	V50D, ACEB (0.2 µm PTFE)	1/4"- 1/2" Stepped HB	Non-sterile, Autoclavable	1
V5DBBACEBG1P	V50D, ACEB (0.2 µm PTFE)	1/4"- 1/2" Stepped HB	Non-sterile, Gamma Compatible	1
V5DBBACEBS1P	V50D, ACEB (0.2 µm PTFE)	1/4"- 1/2" Stepped HB	Yes	1
V5BBBACEBA1P	V50B, ACEB (0.2 µm PTFE)	1/4"- 1/2" Stepped HB	Non-sterile, Autoclavable	1
V37EEAPBBA1P	V37, APBB (0.2 µm PVDF)	1/4"- 3/8" Stepped HB	Non-sterile, Autoclavable	1
V42EEAPBBA1P	V42, APBB (0.2 µm PVDF)	1/4"- 3/8" Stepped HB	Non-sterile, Autoclavable	1
V42EEAPBBG1P	V42, APBB (0.2 µm PVDF)	1/4"- 3/8" Stepped HB	Non-sterile, Gamma Compatible	1
V42EEAPBBS1P	V42, APBB (0.2 µm PVDF)	1/4"- 3/8" Stepped HB	Yes	1
V5DBBAPBBA1P	V50D, APBB (0.2 µm PVDF)	1/4"- 1/2" Stepped HB	Non-sterile, Autoclavable	1
V5DBBAPBBG1P	V50D, APBB (0.2 µm PVDF)	1/4"- 1/2" Stepped HB	Non-sterile, Gamma Compatible	1
V5DBBAPBBS1P	V50D, APBB (0.2 µm PVDF)	1/4"- 1/2" Stepped HB	Yes	1
V5BBBAPBBA1P	V50B, APBB (0.2 µm PVDF)	1/4"- 1/2" Stepped HB	Non-sterile, Autoclavable	1
V37EEAERBA1P	V37, AERB (0.2 µm PES)	1/4"- 3/8" Stepped HB	Non-sterile, Autoclavable	1
V42EEAERBA1P	V42, AERB (0.2 µm PES)	1/4"- 3/8" Stepped HB	Non-sterile, Autoclavable	1
V42EEAERBG1P	V42, AERB (0.2 µm PES)	1/4"- 3/8" Stepped HB	Non-sterile, Gamma Compatible	1
V42EEAERBS1P	V42, AERB (0.2 µm PES)	1/4"- 3/8" Stepped HB	Yes	1
V5DBBAERBA1P	V50D, AERB (0.2 µm PES)	1/4"- 1/2" Stepped HB	Non-sterile, Autoclavable	1
V5DBBAERBG1P	V50D, AERB (0.2 µm PES)	1/4"- 1/2" Stepped HB	Non-sterile, Gamma Compatible	1
V5DBBAERBS1P	V50D, AERB (0.2 µm PES)	1/4"- 1/2" Stepped HB	Yes	1
V5BBBAERBA1P	V50B, AERB (0.2 µm PES)	1/4"- 1/2" Stepped HB	Non-sterile, Autoclavable	1

Purcise™ Q Membrane Chromatography Syringe Filter

Purcise™ Q membrane is a new anion exchange medium that modifies special functional groups in crosslinked polymer coatings, enabling the separation and purification of negatively charged components.

Typical Applications

- Removal of contaminants such as host DNA, viruses, host cell proteins and endotoxins from biological fluids
- Capture of relatively large target molecules (e.g., recombinant proteins, plasmids, viral vectors, and plasma fractions)
- Purification of small molecules such as oligonucleotides, peptides

Product Specification

Filter Format	CXU33	CXD32	CXD32
Lab-scale			
Membrane	Polyethersulfone (PES), 0.7 μm (nominal)		
Flow Path Configuration	Vertical Flow in Flat-sheet Membranes		
Volume	0.2 mL	0.45 mL	0.9 mL
Connections	Inlet: Female Luer Lock Outlet: Male Luer Slip	Female Luer Lock	Female Luer Lock
BSA Binding Capacity	50 mg/mL	50 mg/mL	50 mg/mL
Recommended Flow Rate	0.2-5 mL/min	0.45-11.25 mL/min	0.9-22.5 mL/min
Max. Operating Pressure	4 bar	4 bar	4 bar

Ordering Information

Part No.	Description	Membrane Volume	Qty/pk
CXU33EAQ03CP1P	Purcise™ Q Membrane Chromatography Syringe Filter	0.2 mL	1
CXU33EAQ03CP4P	Purcise™ Q Membrane Chromatography Syringe Filter	0.2 mL	4
CXD32EAQ08CC1P	Purcise™ Q Membrane Chromatography Syringe Filter	0.45 mL	1
CXD32EAQ08CC4P	Purcise™ Q Membrane Chromatography Syringe Filter	0.45 mL	4
CXD32EAQ16CC1P	Purcise™ Q Membrane Chromatography Syringe Filter	0.9 mL	1
CXD32EAQ16CC4P	Purcise™ Q Membrane Chromatography Syringe Filter	0.9 mL	4

Pressure Filters

Oro prep™ Multi-well Filter Plate

Features

- 24-well filter plate, meeting the filtration requirements up to 7 mL of sample
- 96-well filter plate, providing 350 µL well volume for rapid sample loading
- The filter plate can be used for vacuum filtration, positive pressure filtration, and centrifugation
- Automation compatible, filter plates to be run in manual, semi-automated, and automated processes
- High throughput and rapid sample processing, low hold-up volume

Specifications

	24-well Filter Plate	96-well Filter Plate
Length	128 mm	128 mm
Width	85 mm	85 mm
Height With Lid	39 mm	18 mm
Well-Bottom Area	1.6 cm²	0.36 cm²
Recommended Working Volume	7 mL	300 µL
Membrane	Microfiltration membranes: PES / PTFE / PVDF / Nylon Ultrafiltration membranes: RC (Regenerated Cellulose) Membrane chromatography: Pultrix™ XQ Membrane	
Plate Housing	Polypropylene (PP)	
Receiver Plate	Polypropylene (PP)	
Lid	GPPS	
Operating Vacuum	10 in. Hg	
Centrifugal Force	1000 g	
Sterilization Method	Gamma Irradiation	
Package	Individually Packaged by Double PE Bags	

96-well Filter Plate Ordering Information

Part No.	Description	Pore Size	Sterile	Qty/pk (sets)
OP96PE02BMDP	96-well , PES	0.2/0.1 µm	Non-sterile	6
OP96PE02BSDP	96-well , PES	0.2/0.1 µm	Sterile	6
OP96PED6AMDP	96-well , PES	0.2 µm	Non-sterile	6
OP96PE06ASDP	96-well , PES	0.2 µm	Sterile	6
OP96PE05BMDP	96-well , PES	0.45/0.2 µm	Non-sterile	6
OP96PE05BSDP	96-well , PES	0.45/0.2 µm	Sterile	6
OP96PE01BMDP	96-well , PES	0.65/0.2 µm	Non-sterile	6
OP96PE01BSDP	96-well , PES	0.65/0.2 µm	Sterile	6
OP96PE03BMDP	96-well , PES	0.8/0.2 µm	Non-sterile	6
OP96PE03BSDP	96-well , PES	0.8/0.2 µm	Sterile	6
OP96PE07AMDP	96-well , PES	0.45 µm	Non-sterile	6
OP96PE07ASDP	96-well , PES	0.45 µm	Sterile	6
OP96PE03AMDP	96-well , PES	0.8 µm	Non-sterile	6
OP96PE03ASDP	96-well , PES	0.8 µm	Sterile	6
OP96PE04BMDP	96-well , PES	1.5/0.8 µm	Non-sterile	6
OP96PE04BSDP	96-well , PES	1.5/0.8 µm	Sterile	6
OP96PEDBAMDP	96-well , PES	1.2 µm	Non-sterile	6
OP96PEOBASDP	96-well , PES	1.2 µm	Sterile	6
OP96PE10AMDP	96-well , PES	3.0 µm	Non-sterile	6
OP96PE10ASDP	96-well , PES	3.0 µm	Sterile	6
OP96PE05AMDP	96-well , PES	5.0 µm	Non-sterile	6
OP96PE05ASDP	96-well , PES	5.0 µm	Sterile	6
OP96PE09AMDP	96-well , PES	10.0 µm	Non-sterile	6
OP96PE09ASDP	96-well , PES	10.0 µm	Sterile	6
OP96PVH01AMDP	96-well , Hydrophilic PVDF	0.2 µm	Non-sterile	6
OP96PVH01ASDP	96-well , Hydrophilic PVDF	0.2 µm	Sterile	6
OP96PVH03AMDP	96-well , Hydrophilic PVDF	0.45 µm	Non-sterile	6
OP96PVH03ASDP	96-well , Hydrophilic PVDF	0.45 µm	Sterile	6
OP96PVH09AMDP	96-well , Hydrophilic PVDF	1.0 µm	Non-sterile	6
OP96PVH09ASDP	96-well , Hydrophilic PVDF	1.0 µm	Sterile	6
OP96NY01AMDP	96-well , Nylon	0.2 µm	Non-sterile	6
OP96NY01ASDP	96-well , Nylon	0.2 µm	Sterile	6
OP96NY02AMDP	96-well , Nylon	0.45 µm	Non-sterile	6
OP96NY02ASDP	96-well , Nylon	0.45 µm	Sterile	6
OP96NY03AMDP	96-well , Nylon	1.0 µm	Non-sterile	6
OP96NY03ASDP	96-well , Nylon	1.0 µm	Sterile	6
OP96PTH01AMDP	96-well , Hydrophilic PTFE	0.2 µm	Non-sterile	6
OP96PTH01ASDP	96-well , Hydrophilic PTFE	0.2 µm	Sterile	6
OP96PTH02AMDP	96-well , Hydrophilic PTFE	0.45 µm	Non-sterile	6
OP96PTH02ASDP	96-well , Hydrophilic PTFE	0.45 µm	Sterile	6
OP96PT01AMDP	96-well , Hydrophobic PTFE	0.2µm	Non-sterile	6
OP96PT01ASDP	96-well , Hydrophobic PTFE	0.2µm	Sterile	6
OP96PT02AMDP	96-well , Hydrophobic PTFE	0.45µm	Non-sterile	6
OP96PT02ASDP	96-well , Hydrophobic PTFE	0.45µm	Sterile	6
CX96PPXQBMDP	96-well , Pultrix™ XQ	2-layer membrane	Non-sterile	6
CX96PPXQBSDP	96-well , Pultrix™ XQ	2-layer membrane	Sterile	6
CX96PPXQCMDP	96-well , Pultrix™ XQ	3-layer membrane	Non-sterile	6
CX96PPXQCSDP	96-well , Pultrix™ XQ	3-layer membrane	Sterile	6

24-well Filter Plate Ordering Information

Part No.	Description	Pore Size	Sterile	Qty/pk (sets)
OP24PE02BMDP	24-well , PES	0.2/0.1 µm	Non-sterile	6
OP24PE02BSDP	24-well , PES	0.2/0.1 µm	Sterile	6
OP24PED6AMDP	24-well , PES	0.2 µm	Non-sterile	6
OP24PE06ASDP	24-well , PES	0.2 µm	Sterile	6
OP24PE05BMDP	24-well , PES	0.45/0.2 µm	Non-sterile	6
OP24PE05BSDP	24-well , PES	0.45/0.2 µm	Sterile	6
OP24PE01BMDP	24-well , PES	0.65/0.2 µm	Non-sterile	6
OP24PE01BSDP	24-well , PES	0.65/0.2 µm	Sterile	6
OP24PE03BMDP	24-well , PES	0.8/0.2 µm	Non-sterile	6
OP24PE03BSDP	24-well , PES	0.8/0.2 µm	Sterile	6
OP24PE07AMDP	24-well , PES	0.45 µm	Non-sterile	6
OP24PE07ASDP	24-well , PES	0.45 µm	Sterile	6
OP24PE03AMDP	24-well , PES	0.8 µm	Non-sterile	6
OP24PE03ASDP	24-well , PES	0.8 µm	Sterile	6
OP24PE04BMDP	24-well , PES	1.5/0.8 µm	Non-sterile	6
OP24PE04BSDP	24-well , PES	1.5/0.8 µm	Sterile	6
OP24PEDBAMDP	24-well , PES	1.2 µm	Non-sterile	6
OP24PEOBASDP	24-well , PES	1.2 µm	Sterile	6
OP24PE10AMDP	24-well , PES	3.0 µm	Non-sterile	6
OP24PE10ASDP	24-well , PES	3.0 µm	Sterile	6
OP24PE05AMDP	24-well , PES	5.0 µm	Non-sterile	6
OP24PE05ASDP	24-well , PES	5.0 µm	Sterile	6
OP24PE09AMDP	24-well , PES	10.0 µm	Non-sterile	6
OP24PE09ASDP	24-well , PES	10.0 µm	Sterile	6
OP24PVH01AMDP	24-well , Hydrophilic PVDF	0.2 µm	Non-sterile	6
OP24PVH01ASDP	24-well , Hydrophilic PVDF	0.2 µm	Sterile	6
OP24PVH03AMDP	24-well , Hydrophilic PVDF	0.45 µm	Non-sterile	6
OP24PVH03ASDP	24-well , Hydrophilic PVDF	0.45 µm	Sterile	6
OP24PVH09AMDP	24-well , Hydrophilic PVDF	1.0 µm	Non-sterile	6
OP24PVH09ASDP	24-well , Hydrophilic PVDF	1.0 µm	Sterile	6
OP24NY01AMDP	24-well , Nylon	0.2 µm	Non-sterile	6
OP24NY01ASDP	24-well , Nylon	0.2 µm	Sterile	6
OP24NY02AMDP	24-well , Nylon	0.45 µm	Non-sterile	6
OP24NY02ASDP	24-well , Nylon	0.45 µm	Sterile	6
OP24NY03AMDP	24-well , Nylon	1.0 µm	Non-sterile	6
OP24NY03ASDP	24-well , Nylon	1.0 µm	Sterile	6
OP24PTHOIAMDP	24-well , Hydrophilic PTFE	0.2 µm	Non-sterile	6
OP24PTHO1ASDP	24-well , Hydrophilic PTFE	0.2 µm	Sterile	6
OP24PTH02AMDP	24-well , Hydrophilic PTFE	0.45 µm	Non-sterile	6
OP24PTH02ASDP	24-well , Hydrophilic PTFE	0.45 µm	Sterile	6
OP24PT01AMDP	24-well , Hydrophobic PTFE	0.2 µm	Non-sterile	6
OP24PTO1ASDP	24-well , Hydrophobic PTFE	0.2 µm	Sterile	6
OP24PT02AMDP	24-well , Hydrophobic PTFE	0.45 µm	Non-sterile	6
OP24PT02ASDP	24-well , Hydrophobic PTFE	0.45 µm	Sterile	6
CX24PPXQBMDP	24-well , Pultrix™ XQ	2-layer membrane	Non-sterile	6
CX24PPXQBSDP	24-well , Pultrix™ XQ	2-layer membrane	Sterile	6
CX24PPXQCMDP	24-well , Pultrix™ XQ	3-layer membrane	Non-sterile	6
CX24PPXQCSDP	24-well , Pultrix™ XQ	3-layer membrane	Sterile	6
OP24RK04AMD	24-well , RC	10KD	Non-sterile	6
OP24CD01CAMD	24-well , PES + Depth Filter	4.0-9.0/0.65+0.2µm	Non-sterile	6
OP24CD01CASD	24-well , PES + Depth Filter	4.0-9.0/0.65+0.2µm	Sterile	6

Oro prep™ ELISpot 96-well Plate

Features

Hydrophobic PVDF Membrane

- Low background, suitable for most cytokine detection assays
- Stable and homogeneous membrane material with high protein-binding capacity

Plate Frame Design

- Compatible outer dimensions with mainstream plate readers for enhanced reading efficiency
- High-transparency PMMA material facilitates microscopic observation
- Secure bonding between plate frame and membrane, ensuring a tight seal without leakage

Sterility Assurance

- Manufactured in a 100,000-class cleanroom environment with sterile certification to minimize the risk of cellular contamination

Specifications

Dimensions	Length: 127.8 mm Width: 85.5 mm Height: 14.4 mm (Note: Without lid)
Membrane Material	0.45 μm Hydrophobic PVDF
Binding Type	High-binding capacity surface
Main Body Material	Plate Housing: PMMA Lid: Polystyrene (PS)
Plate Well	Flat-bottom wells
Single Well Membrane Filtration Area	0.28 cm^2
Single Well Maximum Sample Loading Volume	300 μL
Single Well Working Volume	50-250 μL
Sterile	Non-sterile, Gamma Compatible

Ordering Information

Part No.	Description	Membrane	Sterile	Qty/pk (sets)
OP96EAPVGXP	Oro prep™ ELISpot 96-well Plate, with Removable 8-Well Strips	Hydrophobic PVDF, 0.45μm	Non-sterile	10

Vacuum Filters

Cobetter BriScale™ VF Vacuum Filters are the most suitable choice for sterile filtration of 200 mL to 15 L media or buffers. The membrane pore size is 0.1 μm, 0.2 μm, 0.45 μm, 0.8 μm, 1.0 μm and other specifications.

Product Information

	150 mL	250 mL	500 mL	1000mL
Membrane Material	PES, Hydrophilic PVDF			
Pore size	0.1 μm, 0.2/0.1 μm, 0.2 μm, 0.45 μm, 0.8 μm, 1.0 μm			
EFA	19 cm²	19 cm²	38 cm²	63 cm²
Package	24 pcs/case	24 pcs/case	9 pcs/case	9 pcs/case
Bottle & Lid	PS			
Funnel Adapter & Screw Cap	HDPE			
Endotoxin	< 0.25 EU/mL			
Biosafety	Meet USP <87>, USP <88>			
Delivery Condition	Sterile			
Sterilization Method	Gamma irradiation			

PES Vacuum Filter Ordering Information

Part No.	Volume	Material	Pore size	Sterile	Qty/pk
VFC150MLENP	150 mL	PES	0.1 µm	Yes	24
VFC150MLEBP	150 mL	Double layer PES	0.2/0.1 µm	Yes	24
VFC150SCCNP	150 mL	PES	0.2 µm	Yes	24
VFC150PCASP	150 mL	PES	0.45 µm	Yes	24
VFC150PAFLP	150 mL	PES	0.8 µm	Yes	24
VFC150PAFPP	150 mL	PES	1.0 µm	Yes	24
VFC250MLENP	250 mL	PES	0.1 µm	Yes	24
VFC250MLEBP	250 mL	Double layer PES	0.2/0.1 µm	Yes	24
VFC250SCCNP	250 mL	PES	0.2 µm	Yes	24
VFC250PCASP	250 mL	PES	0.45 µm	Yes	24
VFC250PAFLP	250 mL	PES	0.8 µm	Yes	24
VFC250PAFPP	250 mL	PES	1.0 µm	Yes	24
VFC500MLENP	500 mL	PES	0.1 µm	Yes	9
VFC500MLEBP	500 mL	Double layer PES	0.2/0.1 µm	Yes	9
VFC500SCCNP	500 mL	PES	0.2 µm	Yes	9
VFC500PCASP	500 mL	PES	0.45 µm	Yes	9
VFC500PAFLP	500 mL	PES	0.8 µm	Yes	9
VFC500PAFPP	500 mL	PES	1.0 µm	Yes	9
VFC01LMLENP	1000 mL	PES	0.1 µm	Yes	9
VFC01LMLEBP	1000 mL	Double layer PES	0.2/0.1 µm	Yes	9
VFC01LSCCNP	1000 mL	PES	0.2 µm	Yes	9
VFC01LPCASP	1000 mL	PES	0.45 µm	Yes	9
VFC01LPAFLP	1000 mL	PES	0.8 µm	Yes	9
VFC01LPAFPP	1000 mL	PES	1.0 µm	Yes	9

Hydrophilic PVDF Vacuum Filter Ordering Information

Part No.	Volume	Material	Pore size	Sterile	Qty/pk
VFC150SMDNP	150 mL	Hydrophilic PVDF	0.2 µm	Yes	24
VFC150PDFSP	150 mL	Hydrophilic PVDF	0.45 µm	Yes	24
VFC250SMDNP	250 mL	Hydrophilic PVDF	0.2 µm	Yes	24
VFC250PDFSP	250 mL	Hydrophilic PVDF	0.45 µm	Yes	24
VFC500SMDNP	500 mL	Hydrophilic PVDF	0.2 µm	Yes	9
VFC500PDFSP	500 mL	Hydrophilic PVDF	0.45 µm	Yes	9
VFC01LSMDNP	1000 mL	Hydrophilic PVDF	0.2 µm	Yes	9
VFC01LPDFSP	1000 mL	Hydrophilic PVDF	0.45 µm	Yes	9

Nylon Vacuum Filter Ordering Information

Part No.	Volume	Material	Pore size	Sterile	Qty/pk
VFC150SNCNP	150 mL	Nylon	0.2 µm	Yes	24
VFC150PNCSP	150 mL	Nylon	0.45 µm	Yes	24
VFC250SNCNP	250 mL	Nylon	0.2 µm	Yes	24
VFC250PNCSP	250 mL	Nylon	0.45 µm	Yes	24
VFC500SNCNP	500 mL	Nylon	0.2 µm	Yes	9
VFC500PNCSP	500mL	Nylon	0.45 µm	Yes	9
VFC01LSNCNP	1000 mL	Nylon	0.2 µm	Yes	9
VFC01LPNCSP	1000 mL	Nylon	0.45 µm	Yes	9

MCE Vacuum Filter Ordering Information

Part No.	Volume	Material	Pore size	Sterile	Qty/pk
VFC150SMUNP	150 mL	MCE	0.2 µm	Yes	24
VFC150PMUSP	150 mL	MCE	0.45 µm	Yes	24
VFC150PMULP	150 mL	MCE	0.8 µm	Yes	24
VFC250SMUNP	250 mL	MCE	0.2 µm	Yes	24
VFC250PMUSP	250 mL	MCE	0.45 µm	Yes	24
VFC250PMULP	250 mL	MCE	0.8 µm	Yes	24
VFC500SMUNP	500 mL	MCE	0.2 µm	Yes	9
VFC500PMUSP	500 mL	MCE	0.45 µm	Yes	9
VFC500PMULP	500 mL	MCE	0.8 µm	Yes	9
VFC01LSMUNP	1000 mL	MCE	0.2 µm	Yes	9
VFC01LPMUSP	1000 mL	MCE	0.45 µm	Yes	9
VFC01LPMULP	1000 mL	MCE	0.8 µm	Yes	9

Filter Funnel Ordering information

Part No.	Volume	Material	Pore size	Sterile	Qty/pk
VFF150SCCNP	150 mL	PES	0.2 µm	Yes	48
VFF250SCCNP	250 mL	PES	0.2 µm	Yes	48
VFF500SCCNP	500 mL	PES	0.2 µm	Yes	18
VFF01LSCCNP	1000 mL	PES	0.2 µm	Yes	18
VFF150PCASP	150 mL	PES	0.45 µm	Yes	48
VFF250PCASP	250 mL	PES	0.45 µm	Yes	48
VFF500PCASP	500 mL	PES	0.45 µm	Yes	18
VFF01LPCASP	1000 mL	PES	0.45 µm	Yes	18
VFF150PAFLP	150 mL	PES	0.8 µm	Yes	48
VFF250PAFLP	250 mL	PES	0.8 µm	Yes	48
VFF500PAFLP	500 mL	PES	0.8 µm	Yes	18
VFF01LPAFLP	1000 mL	PES	0.8 µm	Yes	18
VFF150PAFPP	150 mL	PES	1.0 µm	Yes	48
VFF250PAFPP	250 mL	PES	1.0 µm	Yes	48
VFF500PAFPP	500 mL	PES	1.0 µm	Yes	18
VFF01LPAFPP	1000 mL	PES	1.0 µm	Yes	18
VFF150SMDNP	150 mL	Hydrophilic PVDF	0.2 µm	Yes	48
VFF250SMDNP	250 mL	Hydrophilic PVDF	0.2 µm	Yes	48
VFF500SMDNP	500 mL	Hydrophilic PVDF	0.2 µm	Yes	18
VFF01LSMDNP	1000 mL	Hydrophilic PVDF	0.2 µm	Yes	18
VFF150PDFSP	150 mL	Hydrophilic PVDF	0.45 µm	Yes	48
VFF250PDFSP	250 mL	Hydrophilic PVDF	0.45 µm	Yes	48
VFF500PDFSP	500 mL	Hydrophilic PVDF	0.45 µm	Yes	18
VFF01LPDFSP	1000 mL	Hydrophilic PVDF	0.45 µm	Yes	18
VFF150SNCNP	150 mL	Nylon	0.2µm	Yes	48
VFF250SNCNP	250 mL	Nylon	0.2 µm	Yes	48
VFF500SNCNP	500 mL	Nylon	0.2 µm	Yes	18
VFF01LSNCNP	1000 mL	Nylon	0.2 µm	Yes	18
VFF150PNCSP	150 mL	Nylon	0.45 µm	Yes	24
VFF250PNCSP	250 mL	Nylon	0.45 µm	Yes	24
VFF500PNCSP	500 mL	Nylon	0.45 µm	Yes	9
VFF01LPNCSP	1000 mL	Nylon	0.45 µm	Yes	9

Filter Funnel Ordering information

Part No.	Volume	Material	Pore size	Sterile	Qty/pk
VFF150SMUNP	150 mL	MCE	0.2 µm	Yes	48
VFF250SMUNP	250 mL	MCE	0.2 µm	Yes	48
VFF500SMUNP	500 mL	MCE	0.2 µm	Yes	18
VFF01LSMUNP	1000 mL	MCE	0.2 µm	Yes	18
VFF150PMUSP	150 mL	MCE	0.45 µm	Yes	24
VFF250PMUSP	250 mL	MCE	0.45 µm	Yes	24
VFF500PMUSP	500 mL	MCE	0.45 µm	Yes	9
VFF01LPMUSP	1000 mL	MCE	0.45 µm	Yes	9
VFF150PMULP	150 mL	MCE	0.8 µm	Yes	24
VFF250PMULP	250 mL	MCE	0.8 µm	Yes	24
VFF500PMULP	500 mL	MCE	0.8 µm	Yes	9
VFF01LPMULP	1000 mL	MCE	0.8 µm	Yes	9

Receiver Flask Ordering Information

Part No.	Volume	Sterile	Qty/pk
VFB1500000P	150 mL receiver flask	Yes	48
VFB2500000P	250 mL receiver flask	Yes	48
VFB5000000P	500 mL receiver flask	Yes	18
VFB01L0000P	1000 mL receiver flask	Yes	18

LUPW Capsule Filters

Typical Applications

· For lab water purification system

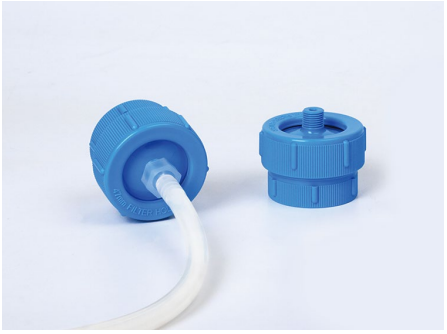
Technical Specifications

Membrane		PES
Pore size		0.1, 0.2 μm
Shell		PP
Inlet/Outlet connection	LUPW / LUPWII	Inlet: 1/4" NPT; Outlet: 6-13 mm (1/4"-1/2") stepped HB with filling shell
	LUPWG	Inlet: 1/4" G; Outlet: 6-13 mm (1/4"-1/2") stepped HB with filling shell
	LUPWH	Inlet: 6-13 mm (1/4"-1/2") stepped HB; Outlet: 6-13 mm (1/4"-1/2") stepped HB with filling shell
	LUPWQ	Inlet: 1/4" Quick Connector; Outlet: 6-13 mm (1/4"-1/2") stepped HB with filling shell
Biosafety		Meet USP <87>, USP <88>

Ordering Information

Part No.	Membrane	Filtration area	Qty/pk
LUPW-PES0020P	PES, 0.2 μm	150 cm²	1
LUPWII-PES0020P	PES, 0.2 μm	310 cm²	1
LUPWG-PES0022P	PES, 0.2 μm	150 cm²	1
LUPWH-PES0022P	PES, 0.2 μm	150 cm²	1
LUPWQ-PES0020	PES, 0.2 μm	150 cm²	1

PP Reusable Filter Holder



Specifications

Material	Polypropylene
Effective Filtration Area	13.8 cm²
Membrane diameter	47 mm
OD	60 mm x 52 mm
Inlet/Outlet	1/4" NPT thread; 1/4" NPT threaded male
O-ring	Silicone
Maximum Operating Pressure	0.5 MPa @25 C °

Ordering Information

Part No.	Description	Qty/pk
47FH-S	PP reusable filter holder accept a 47 mm membrane filer	1

H-DMF Disc Filter Holder

Material And Connect

Material	304，316 L
Exhaust Valve/Drain Valve	304，316 L
Clamp	304
Feet	304
Sealing Ring/Gasket	Silicon, Fluorine, EPDM
Joint	Through Screw
Inlet/Outlet	Tri-Clamp Fitting
Exhaust Valve	Inner Diameter of 4 mm, Connected to 8 mm Tubing

Operating Conditions

Maximum Operating Pressure	0.6 Mpa (6.0 bar)
Operating Temp.	90℃
Sterilization	Can be autoclaved for 30mins at 121˚C

Ordering Information

Part No.	Description	Diameter
H-DMF0147FTT25SAXP	Pressurized Disc Filter, Tri-Clamp Fitting	47 mm
H-DMF0190SLT25SAXP	Pressurized Disc Filter, Tri-Clamp Fitting	90 mm
H-DMF01142SLT25SAXP	Pressurized Disc Filter, Tri-Clamp Fitting	142 mm

Ultrafiltration

Centrifugal Filters

Features

- High concentration factors -- 80-100 fold concentration can be easily achieved
- Fast concentration speed -- Generally in 10–60 mins
- High recovery rate -- A recovery rate of more than 90% can be achieved
- Low protein adsorption -- RC membrane and smooth inner wall design have extremely low protein adsorption
- Complete specifications -- MWCO: 2/ 3/ 10/ 30/ 50/ 100/ 300 kDa

Ordering Information

Part No.	MWCO	Specification	Color Code	Qty/pk
ULRC0020150P	2 kDa, RC Membrane	15 mL	Sprout green	24
ULRC0030150P	3 kDa, RC Membrane	15 mL	Blue	24
ULRC0100150P	10 kDa, RC Membrane	15 mL	Red	24
ULRC0300150P	30 kDa, RC Membrane	15 mL	Yellow	24
ULRC0500150P	50 kDa, RC Membrane	15 mL	Orange	24
ULRC1000150P	100 kDa, RC Membrane	15 mL	Green	24
ULRC3000150P	300 kDa, RC Membrane	15 mL	Sky Blue	24
ULRC0020040P	2 kDa, RC Membrane	4 mL	Sprout green	15
ULRC0030040P	3 kDa, RC Membrane	4 mL	Blue	15
ULRC0100040P	10 kDa, RC Membrane	4 mL	Red	15
ULRC0300040P	30 kDa, RC Membrane	4 mL	Yellow	15
ULRC0500040P	50 kDa, RC Membrane	4 mL	Orange	15
ULRC1000040P	100 kDa, RC Membrane	4 mL	Green	15
ULRC3000040P	300 kDa, RC Membrane	4 mL	Sky Blue	15
ULRC0020020P	2 kDa, RC Membrane	2 mL		15
ULRC0030020P	3 kDa, RC Membrane	2 mL		15
ULRC0100020P	10 kDa, RC Membrane	2 mL		15
ULRC0300020P	30 kDa, RC Membrane	2 mL		15
ULRC0500020P	50 kDa, RC Membrane	2 mL		15
ULRC1000020P	100 kDa, RC Membrane	2 mL		15
ULRC3000020P	300 kDa, RC Membrane	2 mL		15
ULRC0020005P	2 kDa, RC Membrane	0.5 mL		24
ULRC0030005P	3 kDa, RC Membrane	0.5 mL		24
ULRC0100005P	10 kDa, RC Membrane	0.5 mL		24
ULRC0300005P	30 kDa, RC Membrane	0.5 mL		24
ULRC0500005P	50 kDa, RC Membrane	0.5 mL		24
ULRC1000005P	100 kDa, RC Membrane	0.5 mL		24
ULRC3000005P	300 kDa, RC Membrane	0.5 mL		24

Consieve™ 2 UET
TFF Cassette with PES Membrane

Consieve™ 2 series ultrafiltration cassettes represent an enhanced iteration of Cobetter Consieve line, incorporating field-proven design optimizations in membrane structure and material selection. Consieve™ 2 UET cassettes employ polyurethane resin encapsulation, significantly increases structural rigidity and compression resistance, ensuring dimensional stability of flow channels.

The cassettes demonstrate excellent linear scalability from lab-scale development to production-scale manufacturing. With optimized flow path configurations and multiple channel options, users can select the most suitable flow structure based on application requirements to improve process economics.

Information

Membrane	PES
pH Range	1-14
NMWL	1/3/5/8/10/30/50/100/300/500/1000KD
Max. Operating Temperature	50°C
Max. Operating Pressure	4 bar
Integrity	100% Integrity testing
Tangential Flow Rate	100% Tangential flow rate testing
Biocompatibility	Component materials meet the requirements of the current USP<88> for plastic class VI.
Screen Type	A (Tight Screen): High shear rate, high mass transfer efficiency, high pressure drop C (Standard Screen): Moderate shear rate, moderate mass transfer efficiency, moderate pressure drop D (Coarse Screen): Relatively low shear rate, relatively low mass transfer efficiency, relatively low pressure drop V (Suspended Screen): Low shear force, low mass transfer efficiency, low pressure drop

Cobetter Consieve™ 2 UET Ultrafiltration Cassettes Ordering Information

Application	MWCO	Screen Type	Effective Filtration Area	Industry
UF2ME	001S	A C D V	01	P
UF2ME Cobetter Consieve™ 2 UETA Consieve™ 2 UETC Consieve™ 2 UETD Consieve™ 2 UETV	001S 1 KD 003S 3 KD 005S 5 KD 008S 8 KD 010S 10 KD 030S 30 KD 050S 50 KD 100S 100 KD 300S 300 KD 500S 500 KD 01KS 1000 KD	A Tight Screen C Standard Screen D Coarse Screen V Suspended Screen	01 0.01 m² 02 0.02 m² 10 0.11 m² 50 0.5 m² 25 2.5 m²	P Pharmaceutical

Consieve™ 2 UFC

TFF Cassette with RC Membrane

Consieve™ 2 UFC RC membrane cassettes employ polyurethane resin encapsulation, significantly increasing structural rigidity and compression resistance, ensuring dimensional stability of flow channels. The cassettes demonstrate excellent linear scalability from lab-scale development to production-scale manufacturing. With optimized flow path configurations and multiple channel options, users can select the most suitable flow structure based on application requirements to improve process economics.

The regenerated cellulose (RC) ultrafiltration membrane demonstrates strong hydrophilicity, low absorption, low extractables, and excellent organic solvent resistance, offering advantages such as high flux, strong antifouling capability, and ease of cleaning/regeneration.

Information

Membrane	Regenerated Cellulose(RC)
pH Range	2-13
NMWL	1/2/3/5/8/10/30/100/300 KD, 1KH/3KH/3KL/30KH/100KH
Max. Operating Temperature	50°C
Max. Operating Pressure	4bar
Integrity	100% Integrity testing
Tangential Flow Rate	100% Tangential flow rate testing
Biocompatibility	Component materials meet the requirements of the current USP<88> for plastic class VI.
Screen Type	A (Tight Screen): High shear rate, high mass transfer efficiency, high pressure drop C (Standard Screen): Moderate shear rate, moderate mass transfer efficiency, moderate pressure drop D (Coarse Screen): Relatively low shear rate, relatively low mass transfer efficiency, relatively low pressure drop V (Suspended Screen): Low shear force, low mass transfer efficiency, low pressure drop

Cobetter Consieve™ 2 UFCA Ultrafiltration Cassettes Ordering Information

Application	MWCO	Screen Type	Effective Filtration Area	Industry
UF2MC	030S	A	01	P
UF2MC Cobetter Consieve™ 2 UFCA	030S 30KD 030H 30KDH	A Tight Screen	01 0.01 m² 02 0.02 m² 10 0.11 m² 50 0.5 m² 25 2.5 m²	P Pharmaceutical

Cobetter Consieve™ 2 UFCC Ultrafiltration Cassettes Ordering Information

Application	MWCO	Screen Type	Effective Filtration Area	Industry
UF2MC	001S	C D V	01	P
UF2MC Cobetter Consieve™ 2 UFCC Consieve™ 2 UFCD Consieve™ 2 UFCV	001S 1KD 001H 1KDH 002S 2KD 003S 3KD 003H 3KDH 003L 3KDL 005S 5KD 008S 8KD 010S 10KD 030S 30KD 030H 30KDH 050S 50KD 100S 100KD 100H 100KDH 300S 300KD	C Standard Screen D Coarse Screen V Suspended Screen	01 0.01 m² 02 0.02 m² 10 0.11 m² 50 0.5 m² 25 2.5 m²	P Pharmaceutical

Consieve™ 2 MET
Microfiltration TFF Cassette

Consieve™ 2 MET microfiltration TFF cassettes are often used in the clarification process of the supernatant after centrifugation of fermentation broth or lysate. It has the characteristics of high process throughput, large filtration loading capacity, good clarification effect, and easy cleaning. The relatively open suspended flow channel is compatible with filter fluids with a certain solid content and higher viscosity.

Information

Membrane	Polyethersulfone (PES)
pH Range	1-14
Pore Size	0.1/0.2/0.45/0.65μm
Max. Operating Temperature	50°C
Max. Operating Pressure	4 bar
Integrity	100% Integrity testing
Tangential Flow Rate	100% Tangential flow rate testing
Biocompatibility	Component materials meet the requirements of the current USP<88> for plastic class VI.

Cobetter Consieve™ 2 METV Microfiltration Cassettes Ordering Information

Application	MWCO	Screen Type	Effective Filtration Area	Filter Type	Industry
MF2ME	M10	V	02	N	P
MF2ME Cobetter Consieve™ 2 METV	M10 0.1 μm M20 0.2 μm M45 0.45 μm M65 0.65 μm	V Suspended Screen	02 0.02 m² 10 0.1 m² 50 0.5 m² 25 2.5 m²	N Non-sterile	P Pharmaceutical

TFF Holders

A 0.01 m² Ultrafiltration Cassttes Holder

· Can load 1-10 pieces of 0.01 m² cassettes or 1 piece of 0.11 m² cassette
· For process development and small-volume pharmaceutical production

B 0.11 m² Ultrafiltration Cassttes Holder

· Can load 1-5 pieces of 0.11 m² cassettes
· For process development and small-volume pharmaceutical production
· Dimensions: 14x11.5x26 cm (length * width * height)
· Weight: 5 kg

C 0.5 m² Ultrafiltration Cassttes Holder

· Can load 1-5 pieces of 0.5 m² cassettes or 1 piece of 2.5 m² cassette
· Dimensions: 28x19x25 cm (length * width * height)
· Weight: 24 kg

Ordering Information

Part No.	Description	Package
H-MB001-L-LP	0.01 m² Holder, with Three Valves and Two Gauges. Two pressure gauges, monitoring range: 0-4 bar; Three PP manual extrusion valves, suitable for 16# hose	1
H-MB011T25-LP	0.11 m² Holder, with Three Valves and Two Gauges. Two pressure gauges, monitoring range: 0-6 bar; Three PP manual extrusion valves, Fujikin, Connector: TC25. Pipe Diameter: 1/2 inch. PTFE+EPDM diaphragm	1
H-MB050T25-LP	0.5 m² Holder, with Three Valves and Two Gauges. Two pressure gauges. Monitoring range: 0-6 bar; Three PP manual extrusion valves, Fujikin. Connector: TC25. Pipe Diameter: 3/4 inch. PTFE+EPDM diaphragm	1
UFAK001-53	Accessory Kit for 0.01 m² Ultrafiltration Cassette Holder, including cleaning gasket x3, torque wrench x1, squeeze valve x2	1
UFAK011-54	Accessory Kit for 0.11 m² Ultrafiltration Cassette Holder, including cleaning gasket x3, torque wrench x1, clamp gasket x5, diaphragm valve diaphragm x1, clamp x5	1
UFAK050-55	Accessory Kit for 0.5 m² Ultrafiltration Cassette Holder, including cleaning gasket x3, torque wrench x1, clamp gasket x5, diaphragm valve diaphragm x1, clamp x5	1
FCG001-28	0.01 m² Holder Cleaning Gasket, made of silicone.	1
FCG011-28	0.11 m² Holder Cleaning Gasket, made of silicone.	1
FCG050-27	0.5 m² Holder Cleaning Gasket, made of silicone.	1
FCP011-89	0.11 m² Holder Flush Plate (316 L)	1
FCP050-13	0.5 m² Holder Flush Plate (316 L)	1
DD011-51	0.11 m² Disposable diverter plate	1
DD011-52	0.5 m² Disposable diverter plate	1

Hollow Fiber Filters

Features

- High flow rate, high filtration capacity
- Modified hydrophilic PES hollow fiber membrane provides low protein adsorption, less membrane fouling and easy cleaning
- Integrated device without additional assembly or device holder, quick installation and operation
- Re-washable with 0.5M NaOH solution
- Simple and reliable linear scale-up

Typical Applications

- Purification, concentration and diafiltration of vaccine
- Purification, concentration and diafiltration of viral vector
- Clarification of cells and bacteria in fermentation broth
- Recycling and washing of cells and bacteria
- Concentration and diafiltration of protein

Specifications

	Fiber ID	Effective Length	Recommended Process Volume	Feed/Retentate Connectors	Permeate Connectors	MWCO/ Pore Size
Mini	0.5 mm 1.0 mm	30 cm 60 cm	<300 mL <600 mL	Female Luer Connector	Female Luer Connector	
Minilab	0.5 mm 1.0 mm	30 cm 60 cm	<1 L <2 L	Female Luer Connector	Female Luer Connector	
Lab	0.5 mm 1.0 mm	30 cm 60 cm	<2 L <4 L	0.5" TC	3/8" HB	3 kDa 5 kDa
Lab+	0.5 mm 1.0 mm	30 cm 60 cm	<8 L <16 L	0.5" TC	3/16" HB	10 kDa 30 kDa
Pilot	0.5 mm 1.0 mm	30 cm 60 cm 110 cm	<15 L <30 L <50 L	1.5" TC	0.5" TC	50 kDa 100 kDa 300 kDa
Pilot+	0.5 mm 1.0 mm	30 cm 60 cm 110 cm	<15 L <50 L <80 L	1.5" TC	0.5" TC	500 kDa 750 kDa
MiniProcess	0.5 mm 1.0 mm	30 cm 60 cm 110 cm	<75 L <150 L <250 L	1.5" TC	0.5" TC	
MidiProcess	0.5 mm 1.0 mm	30 cm 60 cm 110 cm	<120 L <200 L <400 L	1.5" TC	1.0" TC	0.1µm 0.2µm 0.45µm
Process	0.5 mm 1.0 mm	30 cm 60 cm 110 cm	<200 L <500 L <800 L	1.5" TC	1.0" TC	0.65µm
Maxi	0.5 mm 1.0 mm	60 cm 110 cm	<800 L <1500 L	2.0" TC	1.5" TC	

Comparison of the Product Lineup and Sterilization Methods

	Regular - Suitable for Chemical Cleaning	Heat Sterilization	Gamma Sterilization
			
Reusable	Yes	Yes	No, single-use
Form	PSU/PVC Shell	Stainless Steel Housing + Filter Cartridge or PSF Shell	CPC Sterile Connector / Bag + Filter Column
Pre-use Treatment	NaOH Sanitization for Pyrogen Removal	121°C, 30 min	None, already sterilized
Typical Applications	E. coli biomass concentration (750 kD/0.2 μm)	Oncolytic bacteria concentration (750 kD/0.2 μm)	
	E. coli homogenate clarification (750 kD/0.2 μm)	Cell harvest and clarification (0.2/0.45 μm)	
	Insulin protein crystallization recovery (0.45 μm)	Polycystic liposome concentration and purification (0.2 μm)	
	Virus/plasmid/recombinant protein/ microsphere concentration and diafiltration	Sterile clarification and purification of vaccines, monoclonal antibodies, recombinant proteins, and plasmids	
	LNP/exosome concentration and diafiltration (100/300 kD)	Cell perfusion culture (0.2/0.45 μm)	

Sterilization Method	Steam-In-Place	Gamma Sterilization
Sterilization Condition	121°C,30 min (No more than123°C)	25-45 kGy radiation dose
Equipment	Some models require stainless steel housing	None, already sterilized
Cost	Moderate product cost High operation cost	High product cost Lower operation and time cost
Reusable	Yes, 10 cycles of SIP and CIP Max 30 cycles of repeated sterilization	No, single-use
Operation	Complex SIP, Integrity test, Cleaning and water flux test	Simple Pre-treated to reduce conductivity/TOC, Minimizes wetting and installation time, no need for sterilization and other procedures.

Material Construction

Module Component	Material	Advantages and Functions
Hollow Fiber Membrane	mPES	The modified hydrophilic PES hollow fiber membrane features low adsorption, less membrane fouling and continuous high flow rate for faster processing time, the membrane is proved to effectively retain virus particles so as to achieve the purpose of concentration and buffer exchange.
Potting Glue	Polyurethane/Epoxy	Potting glue wraps each hollow fiber to provide support for the hollow fiber membrane, and at the same time completely separates the inlet flow channel and the permeate flow channel.
End Cap	White Polysulfone	Flow channel connection for liquid in and out, with good chemical compatibility.
Shell	Transparent Polysulfone	Connect the inlet and outlet caps to form an integrated assembly, while providing a flow channel for the permeate, with good chemical compatibility.

Product Information Ultrafiltration Hollow Fiber Filter (Suitable for Chemical Cleaning) Specifications（0.5 /1.0 mm）

□□	□	□□	□□□□	□□	□□	P
Product type	Membrane	Module	MWCO	Fiber Inner Diameter	Effective Length	
HF Hollow Fiber	**E** PES	**MN** Mini	**0003** 3 kD	**05** 0.5 mm	**30** 30 cm	**P** Pharmaceutical
		MI Minilab	**0005** 5 kD	**10** 1.0 mm	**60** 60 cm	
		LA Lab	**0010** 10 kD		**11** 110 cm	
		LP Lab+	**0030** 30 kD			
		PI Pilot	**0050** 50 kD			
		PP Pilot+	**0100** 100 kD			
		MP Miniprocess	**0300** 300 kD			
		DP Midprocess	**0500** 500 kD			
		PR Process	**0750** 750 kD			
		MA Maxi				

Product Information Microfiltration Hollow Fiber Filter (Suitable for Chemical Cleaning) Specifications（1.0 mm）

□□	□	□□	□□□□	□□	□□	P
Product type	Membrane	Module	MWCO	Fiber Inner Diameter	Effective Length	
HF Hollow Fiber	**E** PES	**MN** Mini	**M010** 0.10 μm	**10** 1.0 mm	**30** 30 cm	**P** Pharmaceutical
		MI Minilab	**M020** 0.20 μm		**60** 60 cm	
		LA Lab	**M045** 0.45 μm		**11** 110 cm	
		LP Lab+	**M065** 0.65 m			
		PI Pilot	**M20R** 0.20 μm-R			
		PP Pilot+				
		MP Miniprocess				
		DP Midprocess				
		PR Process				
		MA Maxi				

Product Information Heat Sterilization Hollow Fiber Filter Specifications (1.0 mm)

□□	□	□□	□□□□	□□	□□	A	P
Product type	Membrane	Module	MWCO	Fiber Inner Diameter	Effective Length	Sterilization	
HF Hollow Fiber	**E** PES	**MN** Mini **MI** Minilab **LA** Lab **LP** Lab+ **PI** Pilot **PP** Pilot+ **MP** Miniprocess **DP** Midprocess **PR** Process **MA** Maxi **CD** Column Mid **CM** Column Max	**006R** 6 kD-R **010R** 10 kD-R **100R** 100 kD-R **500R** 500 kD-R **750R** 750 kD-R **M010** 0.10 μm **M20R** 0.20 μm-R **M020** 0.20 μm **M045** 0.45 μm **M065** 0.65 μm	**10** 1.0 mm	**30** 30 cm **60** 60 cm **11** 110 cm	**A** Heat Sterilization	**P** Pharmaceutical

Product Information Heat Sterilization Hollow Fiber Filter Specifications (1.5 mm)

□□	□	□□	□□□□	□□	□□	A	P
Product type	Membrane	Module	MWCO	Fiber Inner Diameter	Effective Length	Sterilization	
HF Hollow Fiber	**E** PES	**MN** Mini **MI** Minilab **LA** Lab **LP** Lab+ **PI** Pilot **MP** Miniprocess **DP** Midprocess **PR** Process **MA** Maxi	**M045** 0.45 μm	**15** 1.5 mm	**30** 30 cm **60** 60 cm **11** 110 cm	**A** Heat Sterilization	**P** Pharmaceutical

Product Information Gamma Sterilization Hollow Fiber Filter Specifications (0.5/1.0 mm)

□□	□	□□	□□□□	□□	□□	□	P
Product type	Membrane	Module	MWCO	Fiber Inner Diameter	Effective Length	Sterilization	
HF Hollow Fiber	**E** PES	**MN** Mini **MI** Minilab **LA** Lab **LP** Lab+ **PI** Pilot **PP** Pilot+ **MP** Miniprocess **DP** Midprocess **PR** Process **MA** Maxi	**0005** 5 K **0010** 10 K **0030** 30 K **0050** 50 K **0100** 100 K **0300** 300 K **0500** 500 K **0750** 750 K	**05** 0.5 mm **10** 1.0 mm	**30** 30 cm **60** 60 cm **11** 110 cm	**G** Resistant to gamma irradiation sterilization **S** Sterile	**P** Pharmaceutical

Microbiology Testing

In the pharmaceutical and biotechnology industries, microbiological analysis is critical in drug development and quality control. Cobetter offers a complete range of sterile packaging microbiological testing filters, cups, and holders. It can greatly improve your productivity and the safety of critical processes.

Sterile Gridded Membrane Filter

Cobetter gridded membrane filters are made of mixed cellulose ester (MCE), sterile by gamma irradiation, and are available in individually packed and dispenser-ready packed.

Specifications

Membrane	Mixed Cellulose Ester (MCE)
Thickness	130±50 μm
Grid Interval	3 x 3mm
Diameter	47 mm or 50 mm
Pore Size	0.22 / 0.45 μm
Porosity	>50%
pH Range	4.0 – 8.0
Max. Thermal Resistance	130°C
Bubble Point (Water)	≥300 kPa
Bacterial Retention Capacity	LRV > 7
Bacterial Recovery Rate	≥80%
Sterilization Method	Gamma Irradiation, 25 kGy

Features

· Sterile, individually packed for ready-to-use convenience
· Surface grid facilitates colony identification and counting without inhibiting microbial growth
· Excellent microbial retention efficiency and recovery rate

Ordering Information

Part No.	Membrane	Diameter	Pore Size	Sterile	Qty/pk
MBWGM-2247S	MCE, white with black grid	47 mm	0.22 μm	Yes, individually packed	100
MBWGM-4547S	MCE, white with black grid	47 mm	0.45 μm	Yes, individually packed	100
MBWGM-2250S	MCE, white with black grid	50 mm	0.22 μm	Yes, individually packed	100
MBWGM-4550S	MCE, white with black grid	50 mm	0.45 μm	Yes, individually packed	100
MBMCE-2247S	MCE, white membrane	47 mm	0.22 μm	Yes, individually packed	100
MBMCE-4547S	MCE, white membrane	47 mm	0.45 μm	Yes, individually packed	100
MBMCE-2250S	MCE, white membrane	50 mm	0.22 μm	Yes, individually packed	100
MBMCE-4550S	MCE, white membrane	50 mm	0.45 μm	Yes, individually packed	100
MBWGM-2247	MCE, white with black grid	47 mm	0.22 μm	Non-sterile	100
MBWGM-4547	MCE, white with black grid	47 mm	0.45 μm	Non-sterile	100
MBWGM-2250	MCE, white with black grid	50 mm	0.22 μm	Non-sterile	100
MBWGM-4550	MCE, white with black grid	50 mm	0.45 μm	Non-sterile	100
MBLGM-2247S	MCE, black with white grid	47 mm	0.22 μm	Yes, individually packed	100
MBLGM-4547S	MCE, black with white grid	47 mm	0.45 μm	Yes, individually packed	100
MBWGM-2247SC	MCE, white with black grid	47 mm	0.22 μm	Yes, packed on a pleated band	150
MBWGM-4547SC	MCE, white with black grid	47 mm	0.45 μm	Yes, packed on a pleated band	150
MBLGM-2247SC	MCE, black with white grid	47 mm	0.22 μm	Yes, packed on a pleated band	150
MBLGM-4547SC	MCE, black with white grid	47 mm	0.45 μm	Yes, packed on a pleated band	150

Membrane Dispenser

Cobetter Membrane Dispenser can automatically remove the membrane by automatic infrared sensing or the touch of a button, avoiding the risk of contamination during the filter removal process. The membrane dispenser has a compact structure, small space, smooth appearance, and easy to clean.

Ordering Information

Part No.	Description	Qty/pk
MD01AU	Membrane Dispenser	1

A47V Filter Unit

The A47V all-in-one filter unit is a ready-to-use filter that integrates the filter funnel, base, and gridded membrane into one piece for easy and convenient operation. It is available in 100 mL and 250 mL.

Material:
Polypropylene (PP)

Ordering Information

Part No.	Description	Membrane	Sterile	Qty/pk
A47V-GMC0022100	Ready-to-use filters, 100 mL	Gridded MCE, 47 mm, 0.22 µm	Yes	5
A47V-GMC0045100	Ready-to-use filters, 100 mL	Gridded MCE, 47 mm, 0.45 µm	Yes	5
A47V-GMC0022250	Ready-to-use filters, 250 mL	Gridded MCE, 47 mm, 0.22 µm	Yes	5
A47V-GMC0045250	Ready-to-use filters, 250 mL	Gridded MCE, 47 mm, 0.45 µm	Yes	5

A47U Filter Funnel

The A47U filter funnel is sterile packaged, effectively reducing the risk of secondary contamination. It is easy and convenient to operate—simply replace the funnel without the need for resterilization.

Ordering Information

Part No.	Description	Sterile	Qty/pk
A47U-100	100 mL funnel	Yes	10
A47U-250	100 mL funnel	Yes	10

S58 Filter Unit

The S58 filter unit integrates the cup, membrane, and Petri dish into one unit. After filtration, the filter cup can be removed directly, and the base converts into a Petri dish for adding culture medium and incubating. The filter cup is suitable for bioburden testing, water quality monitoring, and general microbiological analysis of beer and bottled water. Each filter cup is individually sterile-packaged and ready to use. Clear scale markings allow for accurate sample measurement.

Materials	Funnel/Base	PP
	Cap	PETG

Ordering Information

Part No.	Description	Sterile	Qty/pk
S58-WGMCE0045P	100 mL filter funnel with Gridded MCE	Yes	1
S58-PVDF0045P	100 mL filter funnel with Gridded PVDF	Yes	1

SS Manifold

Cobetter Stainless Steel Manifold is made of high-quality stainless steel and in a single material that ensures a long working life in the laboratory.

Specifications

	3 Branches	5 Branches
Material	Stainless Steel 316 L	Stainless Steel 316 L
Dimensions(L x H x W)	474 x 120 x 98 mm	924 x 120 x 98 mm
Weight	0.725 kg	1.400 kg
Sterilization	Autoclave 121°C, 30 min	Autoclave 121°C, 30 min

Ordering Information

Part No.	Description	Qty/pk
M301SS	3 branch manifold suitable for A47V, A47U consumables, interconnect	1

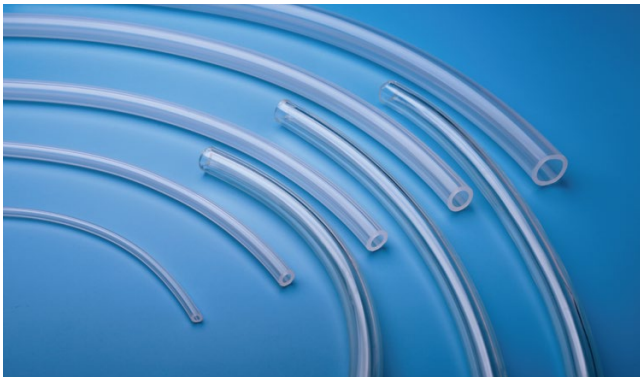
Lifemeta™ Tubing

Regulatory Compliance

Particulate Matter	Particulate matter in the product eluent meets the requirements in USP <788> for large volume parenterals.
Bacterial Endotoxin	Aqueous extraction contains < 0.25 EU/mL as determined by Amebocyte Lysate, USP <85>.
USP <87> Cytotoxicity	Meet the requirement of USP <87> In Vitro Biological Reactivity Test.
USP <88> Biological Reactivity	Meet the criteria of the USP <88> Biological Reactivity Test for Class VI plastics.
ISO 10993-4	Meet the requirement of ISO 10993-4 In Vitro Hemolytic Test.
Indirect Food Additive	The fluid contact component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177–182.
Animal Derivative Content	Products do not contain animal derived components and are free from TSE risk.
Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001:2015 Practices.

Lifemeta™ STT Platinum Cured Silicone Tubing

Cobetter Lifemeta™ STT platinum-cured silicone tubing is designed for efficient fluid transfer. The product is manu factured using high-purity medical-grade raw materials through advanced extrusion equipment and molding tools, and can withstand extreme temperatures, a wide range of acid-alkali salts, organic solvents, and radiation, while also exhibiting good resilience and tear resistance, suitable for use in peristaltic pumps. The Lifemeta™ STT tubing is semi-transparent with a smooth internal surface, providing a reliable solution for low adsorption applications.



Physical characteristics

Item	Value	Procedure
Durometer Hardness (Shore A)	60 ± 5	ASTM D2240
Burst Strength	0.4-0.9 MPa	ASTM D380
Tensile Strength	7.05-8.96 MPa	ASTM D412
Elongation at Break	378-443 %	ASTM D412
Vacuum Resistance	＞ 30 kPa	ISO 7233: 2016
Sterilization	Can be sterilized by gamma irradiatio or autoclaved	

Note: Please refer to the validation guide document for detailed test methods and results.

Lifemeta™ STT Ordering Information

Part No.*	I.D.		O.D.		Wall Thickness		Tube Number	Packaging**	Qty
	In.	mm.	In.	mm.	In.	mm.			m/pk
STT0816150N (-P)	1/32"	0.8	5/32"	4.0	1/16"	1.6	13#	Non-sterile	15
STT1216150N (-P)	3/64"	1.2	11/64"	4.4	1/16"	1.6	/	Non-sterile	15
STT1616150N (-P)	1/16"	1.6	3/16"	4.8	1/16"	1.6	14#	Non-sterile	15
STT1624150N (-P)	1/16"	1.6	1/4"	6.4	3/32"	2.4	119#	Non-sterile	15
STT2416150N (-P)	3/32"	2.4	7/32"	5.6	1/16"	1.6	19#	Non-sterile	15
STT2424150N (-P)	3/32"	2.4	9/32"	7.1	3/32"	2.4	/	Non-sterile	15
STT3060150N (-P)	/	3.0	/	6.0	/	1.5	/	Non-sterile	15
STT3224150N (-P)	1/8"	3.2	5/16"	8.0	3/32"	2.4	120#	Non-sterile	15
STTL150N (-P)	1/8"	3.2	1/4"	6.4	1/16"	1.6	16#	Non-sterile	15
STT25150N (-P)	3/16"	4.8	5/16"	8.0	1/16"	1.6	25#	Non-sterile	15
STT15150N (-P)	3/16"	4.8	3/8"	9.6	3/32"	2.4	15#	Non-sterile	15
STT4832150N (-P)	3/16"	4.8	7/16"	11.2	1/8"	3.2	/	Non-sterile	15
STT17150N (-P)	1/4"	6.4	3/8"	9.6	1/16"	1.6	17#	Non-sterile	15
STTR150N (-P)	1/4"	6.4	7/16"	11.2	3/32"	2.4	24#	Non-sterile	15
STT26150N (-P)	1/4"	6.4	1/2"	12.7	1/8"	3.2	26#	Non-sterile	15
STT35150N (-P)	5/16"	8.0	1/2"	12.7	3/32"	2.4	35#	Non-sterile	15
STT36150N (-P)	3/8"	9.6	9/16"	14.4	3/32"	2.4	36#	Non-sterile	15
STTY150N (-P)	3/8"	9.6	5/8"	15.9	1/8"	3.2	73#	Non-sterile	15
STTH150N (-P)	1/2"	12.7	3/4"	19.1	1/8"	3.2	82#	Non-sterile	15
STTE150N (-P)	1/2"	12.7	11/16"	17.5	3/32"	2.4	/	Non-sterile	15
STTX150N (-P)	5/8"	15.9	7/8"	22.2	1/8"	3.2	184#	Non-sterile	15
STTN150N (-P)	3/4"	19.1	1"	25.4	1/8"	3.2	90#	Non-sterile	15
STTM100N (-P)	3/4"	19.1	1-1/8"	28.6	3/16"	4.8	191#	Non-sterile	10
STTD050N (-P)	1"	25.4	1-3/8"	34.9	3/16"	4.8	92#	Non-sterile	5

Note: The table is the standard product number for sale, if you need special specifications (length, sterile packaging), please communicate the requirements in advance.

* Part No.: This product is available in labelled and non-labelled

** Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1.Non-sterile: STT0816150N

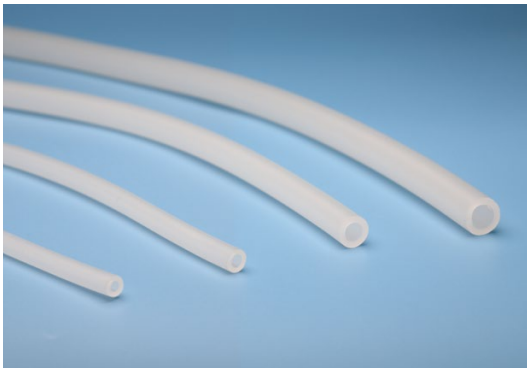
2.Sterile: STT0816150S

3.Non-sterile (labelled): STT0816150N-P

4.Sterile (labelled): STT0816150S-P

Lifemeta™ STF TPE tubing

Cobetter Lifemeta™ STF TPE tubing is a high-performance flexible tube extruded from medical-grade thermoplastic elastomer (TPE) material, with excellent heat sealing and sterile welding performance. Its inner wall is smooth and low-flaking. The Lifemeta™ STF has demonstrated considerable welding compatibility and weldability in comparison to the leading TPE tubes in the market.Compared with traditional silicone and PVC tubes, this product has wide chemical compatibility and can maintain excellent physicochemical performance under various working conditions.



Physical characteristics

Item	Value	Procedure
Durometer Hardness (Shore A)	60 ± 5	ASTM D2240
Burst Strength	0.4-0.6 MPa	ASTM D380
Tensile Strength	5.17-5.18 MPa	ASTM D412
Elongation at Break	742-776 %	ASTM D412
Vacuum Resistance	＞ 30 kPa	ISO 7233: 2016
Sterilization	Can be sterilized by gamma irradiatio or autoclaved	

Note: Please refer to the validation guide document for detailed test methods and results.

Lifemeta™ STF Ordering Information

Part No.*	I.D.		O.D.		Wall Thickness		Tube Number	Packaging**	Qty
	In.	mm.	In.	mm.	In.	mm.			m/pk
STFL150N(-P)	1/8"	3.2	1/4"	6.4	1/16"	1.6	16#	Non-sterile	15
STF25150N(-P)	3/16"	4.8	5/16"	8.0	1/16"	1.6	25#	Non-sterile	15
STF15150N(-P)	3/16"	4.8	3/8"	9.6	3/32"	2.4	15#	Non-sterile	15
STF17150N(-P)	1/4"	6.4	3/8"	9.6	1/16"	1.6	17#	Non-sterile	15
STFR150N(-P)	1/4"	6.4	7/16"	11.2	3/32"	2.4	24#	Non-sterile	15
STF26150N(-P)	1/4"	6.4	1/2"	12.7	1/8"	3.2	26#	Non-sterile	15
STF35150N(-P)	5/16"	8.0	1/2"	12.7	3/32"	2.4	35#	Non-sterile	15
STFY150N(-P)	3/8"	9.6	5/8"	15.9	1/8"	3.2	73#	Non-sterile	15
STFH150N(-P)	1/2"	12.7	3/4"	19.1	1/8"	3.2	82#	Non-sterile	15
STFN150N(-P)	3/4"	19.1	1"	25.4	1/8"	3.2	90#	Non-sterile	15
STFM100N(-P)	3/4"	19.1	1-1/8"	28.6	3/16"	4.8	191#	Non-sterile	10
STFD050N(-P)	1"	25.4	1-3/8"	34.9	3/16"	4.8	92#	Non-sterile	5

Note: The table is the standard product number for sale, if you need special specifications (length, sterile packaging), please communicate the requirements in advance.

* Part No.: This product is available in labelled and non-labelled

** Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. Non-sterile: STFL150N
2. Sterile: STFL150S
3. Non-sterile (labelled): STFL150N-P
4. Sterile (labelled): STFL150S-P

Lifemeta™ ST5P Pt-cured Silicone Pump Tubing

Cobetter Lifemeta™ ST5P Pt-cured silicone pump tubing can be used in process applications such as ultrapure liquid transfer in production, aseptic filling, packaging and other single-use systems. Fluid transmission is mainly carried out through a peristaltic pump, which reduces the risk of fluid contacting any part of the pump body. Good wear resistance can reduce damage to the outer wall of the tubing, thereby improving the overall transmission efficiency of the filtration system.

Physical characteristics

Item	Value	Procedure
Durometer Hardness (Shore A)	50 ± 5	ASTM D2240
Burst Strength	0.74-0.97 MPa	ASTM D380
Vacuum Resistance	＞ 75 kPa	ISO 7233: 2016
Sterilization	Can be sterilized by gamma irradiatio or autoclaved	

Note: Please refer to the validation guide document for detailed test methods and results.

Lifemeta™ ST5P Ordering Information

Part No.*	I.D.		O.D.		Wall Thickness		Tube Number	Packaging**	Qty
	In.	mm.	In.	mm.	In.	mm.			m/pk
ST5P0816150N(-P)	1/32"	0.8	5/32"	4.0	1/16"	1.6	13#	Non-sterile	15
ST5P0824150N(-P)	1/32"	0.8	7/32"	5.6	3/32"	2.4	/	Non-sterile	15
ST5P1216150N(-P)	3/64"	1.2	11/64"	4.4	1/16"	1.6	/	Non-sterile	15
ST5P1616150N(-P)	1/16"	1.6	3/16"	4.8	1/16"	1.6	14#	Non-sterile	15
ST5P1624150N(-P)	1/16"	1.6	1/4"	6.4	3/32"	2.4	119#	Non-sterile	15
ST5P2416150N(-P)	3/32"	2.4	7/32"	5.6	1/16"	1.6	19#	Non-sterile	15
ST5P2424150N(-P)	3/32"	2.4	9/32"	7.1	3/32"	2.4	/	Non-sterile	15
ST5P3224150N(-P)	1/8"	3.2	5/16"	8.0	3/32"	2.4	120#	Non-sterile	15
ST5P3218150N(-P)	1/8"	3.2	/	6.8	/	1.8	/	Non-sterile	15
ST5PL150N(-P)	1/8"	3.2	1/4"	6.4	1/16"	1.6	16#	Non-sterile	15
ST5P25150N(-P)	3/16"	4.8	5/16"	8.0	1/16"	1.6	25#	Non-sterile	15
ST5P4820150N(-P)	3/16"	4.8	/	8.8	/	2.0	/	Non-sterile	15
ST5P15150N(-P)	3/16"	4.8	3/8"	9.6	3/32"	2.4	15#	Non-sterile	15
ST5P4832150N(-P)	3/16"	4.8	7/16"	11.2	1/8"	3.2	/	Non-sterile	15
ST5P17150N(-P)	1/4"	6.4	3/8"	9.6	1/16"	1.6	17#	Non-sterile	15
ST5PR150N(-P)	1/4"	6.4	7/16"	11.2	3/32"	2.4	24#	Non-sterile	15
ST5P26150N(-P)	1/4"	6.4	1/2"	12.7	1/8"	3.2	26#	Non-sterile	15
ST5P35150N(-P)	5/16"	8.0	1/2"	12.7	3/32"	2.4	35#	Non-sterile	15
ST5P36150N(-P)	3/8"	9.6	9/16"	14.4	3/32"	2.4	36#	Non-sterile	15
ST5PY150N(-P)	3/8"	9.6	5/8"	15.9	1/8"	3.2	73#	Non-sterile	15
ST5PH150N(-P)	1/2"	12.7	3/4"	19.1	1/8"	3.2	82#	Non-sterile	15

Note: The table is the standard product number for sale, if you need special specifications (length, sterile packaging), please communicate the requirements in advance.

* Part No.: This product is available in labelled and non-labelled

** Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. Non-sterile: ST5P0816150N 2.Sterile: ST5P0816150S

3. Non-sterile (labelled): ST5P0816150N-P 4. Sterile (labelled): ST5P0816150S-P

Lifemeta™ ST8H High Pressure Silicone Tubing

Cobetter Lifemeta™ ST8H high pressure silicone tubing is a high-quality, cost-effective fluid transfer solution. It can be used to increase the flow rate during the production process and reduce the liquid transfer time. ST8H high pressure silicone tubing is the optimal choice for single-use applications such as TFF, virus filtration, inline integrity testing of filtration assemblies, and high volume fluid transfer.

Physical characteristics

Item	Value	Procedure
Durometer Hardness (Shore A)	82 ± 5	ASTM D2240
Burst Strength	0.6-1.6 MPa	ASTM D380
Vacuum Resistance	＞ 80 kPa	ISO 7233: 2016
Sterilization	Can be sterilized by gamma irradiatio or autoclaved	

Note: Please refer to the validation guide document for detailed test methods and results.

Lifemeta™ ST8H Ordering Information

Part No.*	I.D.		O.D.		Wall Thickness		Tube Number	Packaging**	Qty
	In.	mm.	In.	mm.	In.	mm.			m/pk
ST8H3224150N(-P)	1/8"	3.2	5/16"	8.0	3/32"	2.4	120#	Non-sterile	15
ST8H15150N(-P)	3/16"	4.8	3/8"	9.6	3/32"	2.4	15#	Non-sterile	15
ST8H4832150N(-P)	3/16"	4.8	7/16"	11.2	1/8"	3.2	/	Non-sterile	15
ST8HR150N(-P)	1/4"	6.4	7/16"	11.2	3/32"	2.4	24#	Non-sterile	15
ST8H26150N(-P)	1/4"	6.4	1/2"	12.7	1/8"	3.2	26#	Non-sterile	15
ST8H35150N(-P)	5/16"	8.0	1/2"	12.7	3/32"	2.4	35#	Non-sterile	15
ST8H36150N(-P)	3/8"	9.6	9/16"	14.4	3/32"	2.4	36#	Non-sterile	15
ST8HY150N(-P)	3/8"	9.6	5/8"	15.9	1/8"	3.2	73#	Non-sterile	15
ST8HH150N(-P)	1/2"	12.7	3/4"	19.1	1/8"	3.2	82#	Non-sterile	15
ST8HE150N(-P)	1/2"	12.7	11/16"	17.5	3/32"	2.4	/	Non-sterile	15
ST8HX150N(-P)	5/8"	15.9	7/8"	22.2	1/8"	3.2	184#	Non-sterile	15
ST8HN150N(-P)	3/4"	19.1	1"	25.4	1/8"	3.2	90#	Non-sterile	15
ST8HM100N(-P)	3/4"	19.1	1-1/8"	28.6	3/16"	4.8	191#	Non-sterile	10
ST8HD050N(-P)	1"	25.4	1-3/8"	34.9	3/16"	4.8	92#	Non-sterile	5

Note: The table is the standard product number for sale, if you need special specifications (length, sterile packaging), please communicate the requirements in advance.

* Part No.: This product is available in labelled and non-labelled

* Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. Non-sterile: ST8H3224150N
2.Sterile: ST8H3224150S
3. Non-sterile (labelled): ST8H3224150N-P
4. Sterile (labelled): ST8H3224150S-P

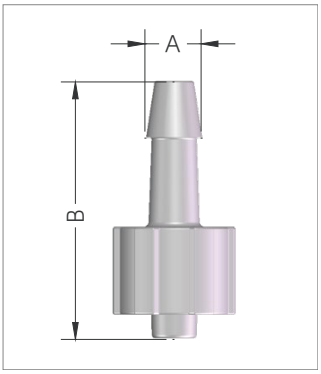
Tube Fitting

Cobetter Lifemeta™ SF single-use tube fitting can efficiently assemble with silicone tubings, TPE tubings, reinforced braided silicone tubings, and other tubings to meet various application needs. The fittings are mainly made of polypropylene (PP) or polysulfone (PSF) with excellent mechanical strength and good chemical compatibility, ensuring long-term use. Cobetter is self-produced with reliable quality and meets multiple regulatory requirements. Special sizes can be customized according to customer needs, with fast mold opening and short delivery cycle.

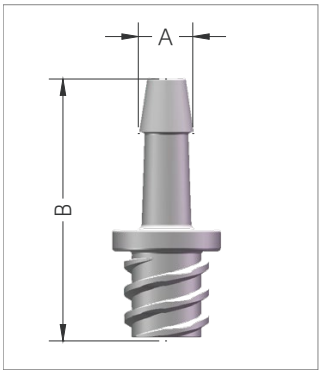
Regulatory Compliance

Bacterial Endotoxin	Aqueous extraction contains < 0.06 EU/mL as determined by Amebocyte Lysate, USP <85>.
USP <87> Cytotoxicity	Meet the requirement of USP <87> In Vitro Biological Reactivity Test.
USP <88> Biological Reactivity	Meet the criteria of the USP <88> Biological Reactivity Test for Class VI plastics.
Indirect Food Additive	The fluid contact component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177–182.
Animal Derivative Content	Products do not contain animal derived components and are free from TSE risk.
Sterilization	Can be autoclaved 1 cycle for 30 minutes at 130 °C. or Can be sterilized by gamma irradiation at 25-45 kGy.
Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001:2015 Practices.
Manufacturing Process	Manufacturing in the ISO Class 7 clean zones

Luer Fitting



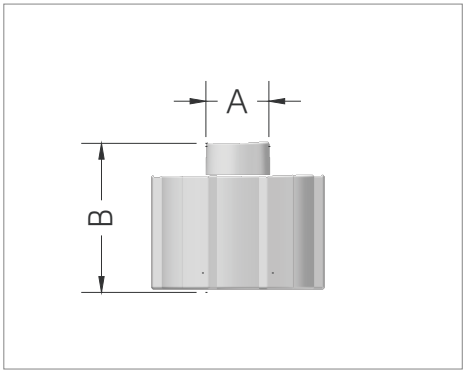
Male Luer Lock



Female Luer Lock

Luer Fitting

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）	
				AΦ	B
SFLLP5N	1/8"HB × Male Luer Lock	Non-sterile	50	5.0	22.9
SFLRP5N-A	1/4"HB × Male Luer Lock	Non-sterile	50	8.9	29.7
SFLLC5N	1/8"HB × Female Luer Lock	Non-sterile	50	5.0	24.0
SFLRC5N	1/4"HB × Female Luer Lock	Non-sterile	50	8.9	29.0



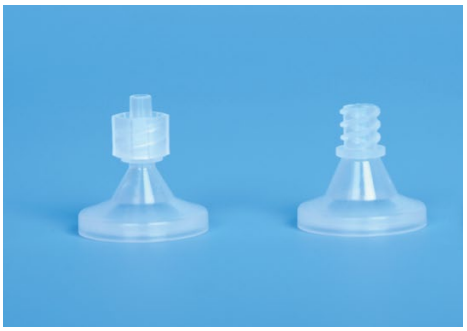
Luer Plug

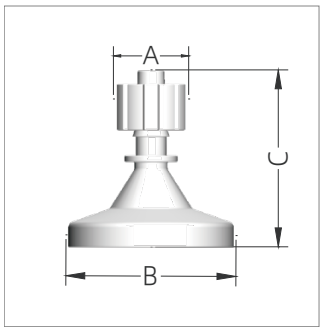
Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）	
				AΦ	B
SFPC5N	Female Luer Plug	Non-sterile	50	4.3	9.2
SFPP5N-A	Male Luer Plug	Non-sterile	50	4.0	9.4

* Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

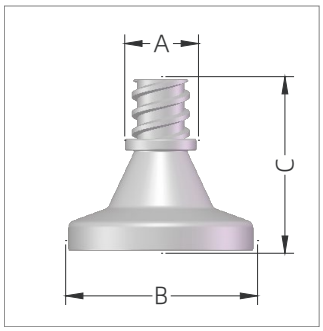
1. Non-sterile: SFLLP5N
2. Sterile: SFLLP5S

Tri-clamp Fitting





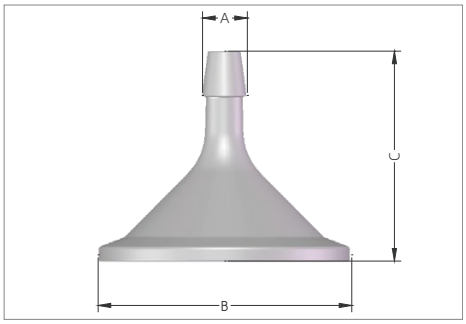
TC × Male Luer Lock



TC × Female Luer Lock

Luer to Tri-clamp Fitting

Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
SFLPT1N	3/4"TC × Male Luer Lock	Non-sterile	10	11.0	25.0	26.0
SFLCT1N	3/4"TC × Female Luer Lock	Non-sterile	10	9.6	25.0	23.0

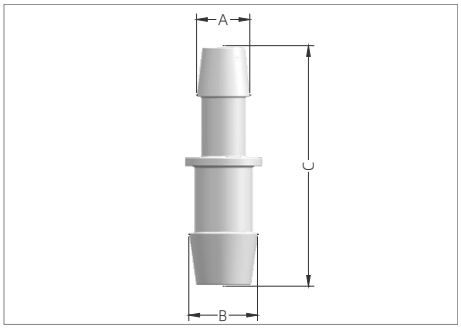


Hose Barb to Tri-clamp Fitting

Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
SFLLT1N(-S)	1/8"HB × 3/4"TC	Non-sterile	10	4.2	25.0	28.0
SFLRT1N(-S)	1/4"HB × 3/4"TC	Non-sterile	10	8.9	25.0	30.0
SFLYT1N(-S)	3/8"HB × 3/4"TC	Non-sterile	10	12.4	25.0	42.6
SFLHT1N(-S)	1/2"HB × 3/4"TC	Non-sterile	10	16.0	25.0	47.6
SFLMT1N(-S)	3/4"HB × 3/4"TC	Non-sterile	10	23.7	25.0	55.0
SFLRS1N(-S)	1/4"HB × 1-1/2"TC	Non-sterile	10	8.9	50.4	41.7
SFLYS1N(-S)	3/8"HB × 1-1/2"TC	Non-sterile	10	12.4	50.4	41.7
SFLHS1N(-S)	1/2"HB × 1-1/2"TC	Non-sterile	10	16.0	50.4	47.6
SFLMS1N(-S)	3/4"HB × 1-1/2"TC	Non-sterile	10	23.7	50.4	56.0
SFLDS1N(-S)	1"HB × 1-1/2"TC	Non-sterile	10	30.0	50.4	68.0

*Part No. This product is available in polypropylene (PP) and polysulfone (PSF), and is available in sterile and non-sterile packaging.
The reference for naming different types of product numbers is as follows:
1. PP material/Non-sterile: SFLLT1N
2. PP material/Sterile: SFLLT1S
3. PSF material/Non-sterile: SFLLT1N-S
4. PSF material/Sterile: SFLLT1S-S
**Packaging: Can be gamma irradiated at 25-45 kGy in sterile package.

Straight Tube Fitting



Equal Barbed Straight Tube Fitting

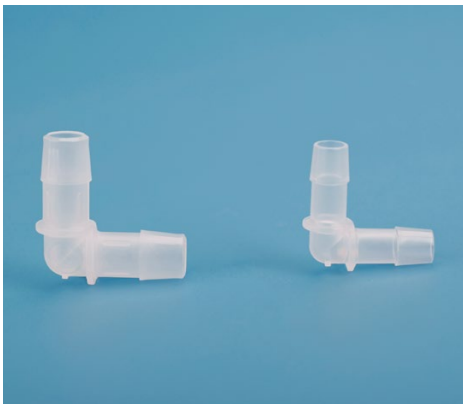
Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
SFLLL5N (-S)	1/8"HB × 1/8"HB	Non-sterile	50	5.0	5.0	27.0
SFLEE5N(-S)	3/16"HB × 3/16"HB	Non-sterile	50	6.4	6.4	27.0
SFLRR5N (-S)	1/4"HB × 1/4"HB	Non-sterile	50	8.9	8.9	42.0
SFLYY5N (-S)	3/8"HB × 3/8"HB	Non-sterile	50	12.4	12.4	54.0
SFLHH5N (-S)	1/2"HB × 1/2"HB	Non-sterile	50	16.0	16.0	58.0
SFLMM5N (-S)	3/4"HB × 3/4"HB	Non-sterile	50	21.8	21.8	84.0
SFLDD5N (-S)	1"HB × 1"HB	Non-sterile	50	27.9	27.9	101.4

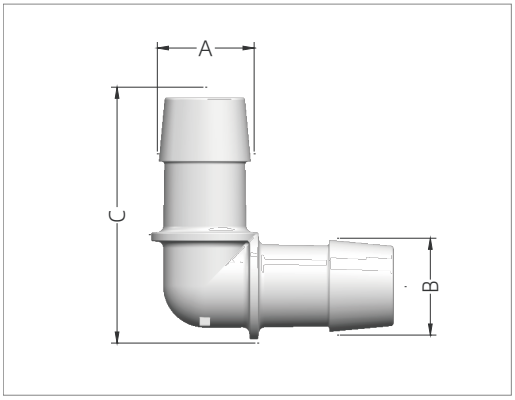
Reducer Straight Tube Fitting

Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
SFLAY5N (-S)	1/16"HB × 3/8"HB	Non-sterile	50	2.6	11.0	39.0
SFLQL5N (-S)	3/32"HB × 1/8"HB	Non-sterile	50	3.5	5.0	23.5
SFLLR5N (-S)	1/8"HB × 1/4"HB	Non-sterile	50	5.0	8.9	38.0
SFLLY5N (-S)	1/8"HB × 3/8"HB	Non-sterile	50	5.0	12.4	47.1
SFLEY5N (-S)	3/16"HB × 3/8"HB	Non-sterile	50	6.4	11.0	47.0
SFLRY5N (-S)	1/4"HB × 3/8"HB	Non-sterile	50	8.9	12.4	48.0
SFLRH5N (-S)	1/4"HB × 1/2"HB	Non-sterile	50	8.9	16.0	50.0
SFLYH5N (-S)	3/8"HB × 1/2"HB	Non-sterile	50	12.4	16.0	56.0
SFLYX5N (-S)	3/8"HB × 5/8"HB	Non-sterile	50	11.0	18.2	68.0
SFLHX5N (-S)	1/2"HB × 5/8"HB	Non-sterile	50	14.6	18.2	72.0
SFLHM5N (-S)	1/2"HB × 3/4"HB	Non-sterile	50	14.6	21.8	77.2
SFLXM5N(-S)	5/8"HB × 3/4"HB	Non-sterile	50	18.2	21.8	64.2
SFLMD5N (-S)	3/4"HB × 1"HB	Non-sterile	50	21.8	28.0	96.0

*Part No. This product is available in polypropylene (PP) and polysulfone (PSF), and is available in sterile and non-sterile packaging.
The reference for naming different types of product numbers is as follows:
1. PP material/Non-sterile: SFLLL5N
2. PP material/Sterile: SFLLL5S
3. PSF material/Non-sterile: SFLLL5N-S
4. PSF material/Sterile: SFLLL5S-S
**Packaging: Can be gamma irradiated at 25-45 kGy in sterile package

Elbow Fitting





Elbow Fitting

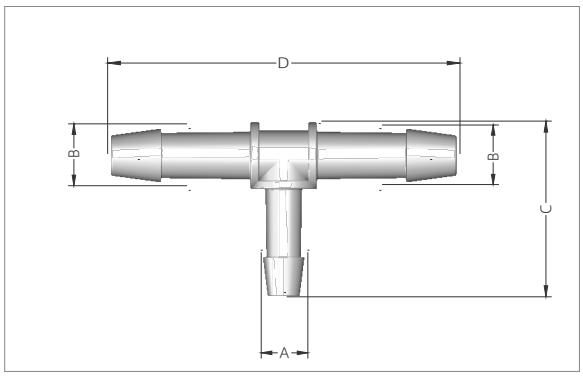
Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
SFELL5N	1/8"HB × 1/8"HB	Non-sterile	50	4.8	4.8	15.8
SFEEE5N	3/16"HB × 3/16"HB	Non-sterile	50	6.4	6.4	20.9
SFERR5N	1/4"HB × 1/4"HB	Non-sterile	50	7.6	7.6	27.2
SFEYY5N	3/8"HB × 3/8"HB	Non-sterile	50	11.0	11.0	36.1
SFEHH5N	1/2"HB × 1/2"HB	Non-sterile	50	14.6	14.6	43.3
SFEMM5N	3/4"HB × 3/4"HB	Non-sterile	50	21.8	21.8	57.6
SFEDD5N	1"HB × 1"HB	Non-sterile	50	28.0	28.0	70.0

* Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. PP material/Non-sterile: SFELL5N
2. PP material/Sterile: SFELL5S

**Packaging: Can be gamma irradiated at 25-45 kGy in sterile package

Tee Fitting



Equal Barbed T-Fitting

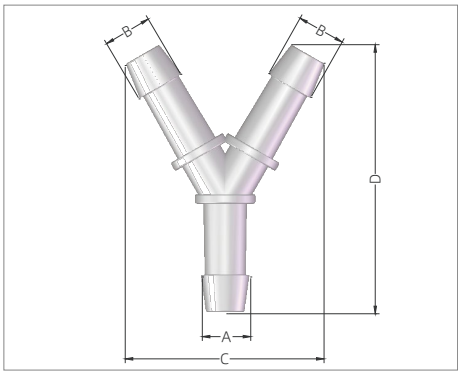
Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）			
				AΦ	BΦ	C	D
SFTLLL5N(-S)	1/8"HB × 1/8"HB × 1/8"HB	Non-sterile	50	4.8	4.8	16.3	25.7
SFTRRR5N (-S)	1/4"HB × 1/4"HB × 1/4"HB	Non-sterile	50	8.9	8.9	31.4	52.2
SFTYYY5N (-S)	3/8"HB × 3/8"HB × 3/8"HB	Non-sterile	50	12.4	12.4	40.9	67.4
SFTHHH5N (-S)	1/2"HB × 1/2"HB × 1/2"HB	Non-sterile	50	14.6	14.6	43.0	69.0
SFTDDD5N (-S)	1"HB × 1"HB × 1"HB	Non-sterile	50	28.0	28.0	70.5	110.0

Reducer T-Fitting

Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）			
				AΦ	BΦ	C	D
SFTYYR5N (-S)	3/8"HB × 3/8"HB × 1/4"HB	Non-sterile	50	8.9	12.4	39.2	80.2
SFTHHR5N (-S)	1/2"HB × 1/2"HB × 1/4"HB	Non-sterile	50	7.6	14.6	39.9	69.0
SFTHHY5N (-S)	1/2"HB × 1/2"HB × 3/8"HB	Non-sterile	50	11.0	14.6	34.7	69.0
SFTMMH5N(-S)	3/4" × 3/4" × 1/2"HB	Non-sterile	50	14.6	21.8	53.1	92.4
SFTDDH5N(-S)	1" × 1" × 1/2"HB	Non-sterile	50	14.6	28.0	59.5	105.2

*Part No. This product is available in polypropylene (PP) and polysulfone (PSF), and is available in sterile and non-sterile packaging.
The reference for naming different types of product numbers is as follows:
1. PP material/Non-sterile: SFTLLL5N
2. PP material/Sterile: SFTLLL5S
3. PSF material/Non-sterile: SFTLLL5N-S
4. PSF material/Sterile: SFTLLL5S-S
**Packaging: Can be gamma irradiated at 25-45 kGy in sterile package

Y-Fitting



Equal Barbed Y-Fitting

Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）			
				AΦ	BΦ	C	D
SFYAAA5N (-S)	1/16"HB × 1/16"HB × 1/16"HB	Non-sterile	50	2.3	2.3	9.5	12.5
SFYQQQ5N (-S)	3/32"HB × 3/32"HB × 3/32"HB	Non-sterile	50	3.5	3.5	15.1	21.9
SFYLLL5N (-S)	1/8"HB × 1/8"HB × 1/8"HB	Non-sterile	50	4.2	4.2	17.4	23.7
SFYEEE5N (-S)	3/16"HB × 3/16"HB × 3/16"HB	Non-sterile	50	6.4	6.4	30.2	43.7
SFYRRR5N (-S)	1/4"HB × 1/4"HB × 1/4"HB	Non-sterile	50	7.6	7.6	32.3	43.2
SFYYYY5N (-S)	3/8"HB × 3/8"HB × 3/8"HB	Non-sterile	50	11.0	11.0	43.7	56.6
SFYHHH5N (-S)	1/2"HB × 1/2"HB × 1/2"HB	Non-sterile	50	16.0	16.0	65.8	89.0
SFYMMM5N (-S)	3/4"HB × 3/4"HB × 3/4"HB	Non-sterile	50	21.8	21.8	73.1	88.1
SFYDDD5N (-S)	1"HB × 1"HB × 1"HB	Non-sterile	50	28.0	28.0	89.8	106.0

Reducer Y-Fitting

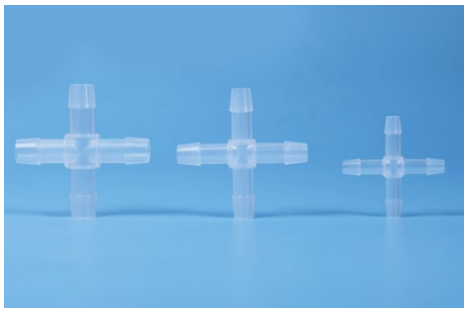
Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）			
				AΦ	BΦ	C	D
SFYLLR5N (-S)	1/8"HB × 1/8"HB × 1/4"HB	Non-sterile	50	8.9	5.0	21.6	42.1
SFYRRY5N (-S)	1/4"HB × 1/4"HB × 3/8"HB	Non-sterile	50	12.4	8.9	40.6	66.0
SFYYYH5N (-S)	3/8"HB × 3/8"HB × 1/2"HB	Non-sterile	50	14.6	11.0	45.2	62.0
SFYHHM5N(-S)	1/2"HB × 1/2"HB × 3/4"HB	Non-sterile	50	21.8	14.6	53.1	74.0

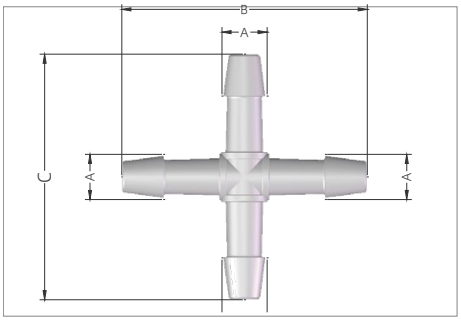
*Part No. This product is available in polypropylene (PP) and polysulfone (PSF), and is available in sterile and non-sterile packaging. The reference for naming different types of product numbers is as follows:

1. PP material/Non-sterile: SFYAAA5N
2. PP material/Sterile: SFYAAA5S
3. PSF material/Non-sterile: SFYAAA5N-S
4. PSF material/Sterile: SFYAAA5S-S

**Packaging: Can be gamma irradiated at 25-45 kGy in sterile package

Cross Fitting



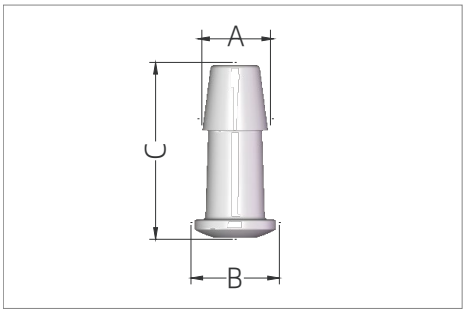


Cross Fitting

Part No.*	Description	Packgaing**	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	B	C
SFXLLLL5N(-S)	1/8"HB × 4	Non-sterile	50	5.0	32.8	32.8
SFXRRRR5N(-S)	1/4"HB × 4	Non-sterile	50	8.9	52.2	52.2
SFXYYYY5N(-S)	3/8"HB × 4	Non-sterile	50	12.4	67.4	67.4
SFXHHHH5N(-S)	1/2"HB × 4	Non-sterile	50	16.0	104.0	104.0

*Part No. This product is available in polypropylene (PP) and polysulfone (PSF), and is available in sterile and non-sterile packaging.
The reference for naming different types of product numbers is as follows:
1. PP material/Non-sterile: SFXLLLL5N
2. PP material/Sterile: SFXLLLL5S
3. PSF material/Non-sterile: SFXLLLL5N-S
4. PSF material/Sterile: SFXLLLL5S-S
**Packaging: Can be gamma irradiated at 25-45 kGy in sterile package.

Tubing Plug



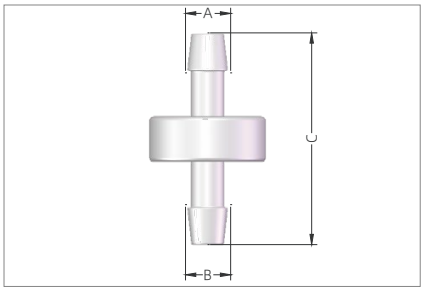
Tubing Plug

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
SFPL5N	1/8"HB	Non-sterile	50	5.0	6.5	13.0
SFPR5N	1/4"HB	Non-sterile	50	8.9	11.1	23.4
SFPY5N	3/8"HB	Non-sterile	50	12.4	15.8	31.0
SFPH5N	1/2"HB	Non-sterile	50	16.0	19.0	38.0
SFPM5N	3/4"HB	Non-sterile	50	23.7	26.0	55.0

* Packaging: This product can be packaged in sterile or non-sterile modes. The sterilization mode of sterile mode is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods Refer to the following:
1. Non-sterile: SFPL5N
2. Sterile: SFPL5S

Check Valve

Cobetter Lifemeta SF single-use check valve is mainly used to control the direction of fluid flow. The diaphragm sealing design effectively prevents fluid backflow, reducing the risk of material contamination. In the non-working state, the diaphragm of the check valve is in the closed state. Its two ports use a hose barb design, which is convenient to connect tubing and realize liquid transfer.



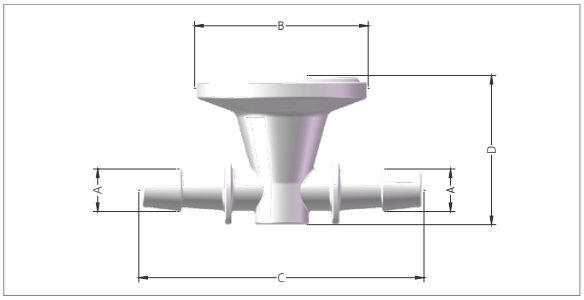
Check Valve

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
CVCML1N	1/8"HB × 1/8"HB	Non-sterile	10	4.8	4.8	27.4
CVCMR1N	1/4"HB × 1/4"HB	Non-sterile	10	7.6	7.6	40.0
CVCMY1N	3/8"HB × 3/8"HB	Non-sterile	10	11.0	11.0	51.6
CVCMH1N	1/2"HB × 1/2"HB	Non-sterile	10	14.6	14.6	60.4

* Packaging: This product can be packaged in sterile or non-sterile modes. The sterilization mode of sterile mode is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods Refer to the following:
1. Non-sterile:CVCML1N
2. Sterile: CVCML1S

Instrument Tee

Cobetter Lifemeta™ SFG single-use instrument tee can be used in conjunction with existing stainless steel instruments. The tee design provides an integrated and unobstructed fluid path and has good sealing during testing. Additionally, during the sterilization process, there is no need to install pressure measuring instruments, reducing the risk of contamination.

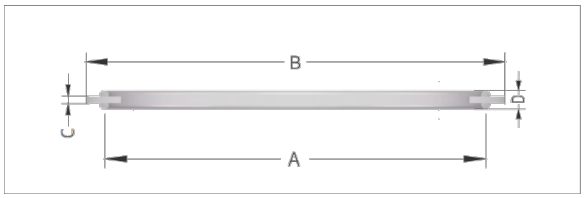


Instrument Tee (Welded with PE film)

Part No.	Description	Material	Packgaing*	Qty (pcs/pk)	Dimensions（mm）			
					AΦ	BΦ	C	D
SFGSYYNN	3/8"HB × 3/8"HB × 1-1/2"TC	Body: PE	Non-sterile	1	12.4	50.5	83.0	43.4
SFGSHHNN	1/2"HB × 1/2"HB × 1-1/2"TC	Film: PE	Non-sterile	1	16.0	50.5	94.2	43.4

Instrument Tee (Without film)

Part No.	Description	Material	Packgaing*	Qty (pcs/pk)	Dimensions（mm）			
					AΦ	BΦ	C	D
SFGSMMNN-N	3/4"HB × 3/4"HB × 1-1/2"TC	PE	Non-sterile	1	21.8	50.5	128.1	41.3
SFGSDDNN-N	1"HB × 1"HB × 1-1/2"TC	PE	Non-sterile	1	29.8	50.5	134.5	49.8



Gauge Gasket

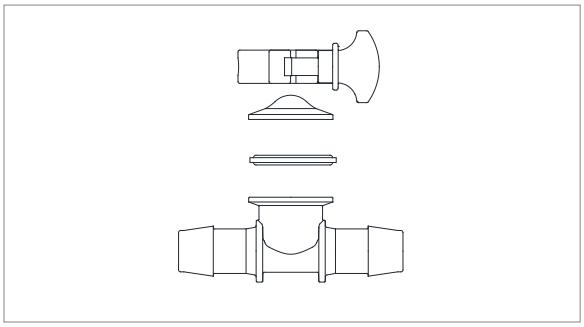
Part No.	Description	Material	Packgaing*	Qty (pcs/pk)	Dimensions（mm）			
					AΦ	BΦ	C	D
TCEES1N	1-1/2"TC	TPE	Non-sterile	1	43.5	50.5	1.7	5.0

* Packaging: This product can be packaged in sterile or non-sterile modes. The sterilization mode of sterile mode is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods Refer to the following:

1. Non-sterile: SFGSYYNN
2. Sterile: SFGSYYNS

Instrument Tee Assemblies

Part No.	Assemblies
SFGSMM-Set	Instrument Tee: SFGSMM-N Gauge Gasket: TCEES TC Clamp: TCCNS Blind Cap: TCEPS
SFGSDD-Set	Instrument Tee: SFGSDD-N Gauge Gasket: TCEES TC Clamp: TCCNS Blind Cap: TCEPS

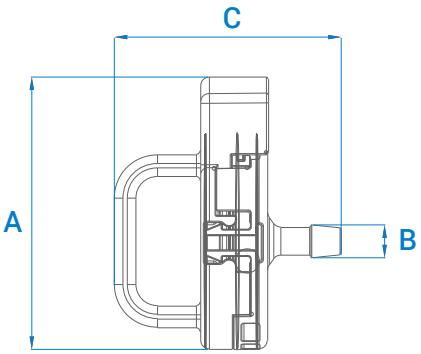


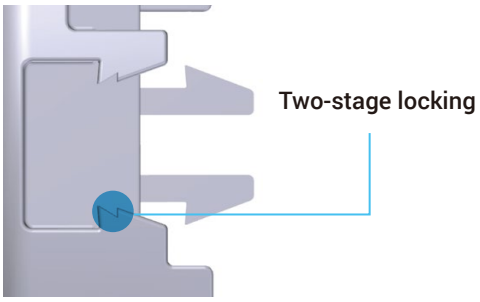
Lifemeta™ AC Single-use Aseptic Connector

Lifemeta AC single-use aseptic connector, exclusively designed by Cobetter, can be widely used in various production stages of biopharmaceuticals, such as upstream media fed-batch, downstream sterile connection of final filling, etc..
Lifemeta AC aseptic connectors are designed with pull tabs to improve ease of operation, while the genderless structure makes the connection more flexible and reduces the risk of upstream and downstream connection mismatches and operational errors.

Specifications

Size	1/4"HB, 3/8"HB, 1/2"HB, 3/4"HB
Material	Main Components: PSF Membrane: PES O-ring: Silicone rubber Protective Caps: PP
Temperature Range	-80 ~ 130 °C
Pressure Range	0 ~ 3.0 bar
Vacuum Resistance	Up to 1.0 bar
Sterilization	Can be sterilized by gamma irradiation at 25-45kGy or autoclaved for 60 minutes at 130 °C
pH Range	2~12





Ordering Information

Part No.	Specification	Packaging*	Qty	Dimensions (mm) A	B	C
ACMSSR	1/4"HB	Non-sterile	10 pcs/pk	63.0	7.6	52.5
ACMSSY	3/8"HB	Non-sterile	10 pcs/pk	63.0	11.0	54.9
ACMSSH	1/2"HB	Non-sterile	10 pcs/pk	63.0	15.4	61.5
ACMSSM	3/4"HB	Non-sterile	10 pcs/pk	63.0	21.8	67.7

* Note: The product comes default with non-sterile packaging in individual double-layer bags.

Lifemeta™ EC Easy Connector

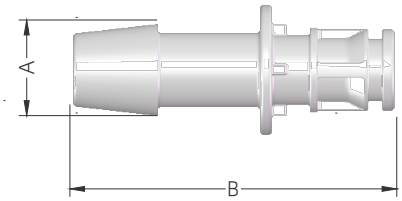
Cobetter Lifemeta EC easy connector is mainly used for fluid transmission and has a variety of connector options. It can realize the function of quick connection and disconnection of tubings. When the male and female easy connectors are coupled, they can be rotated to avoid the problem of tubing distortion. Its swivel design reduces the risk of accidental disconnection.

Quality Assurance

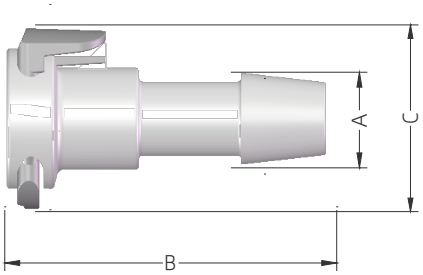
- ISO 9001:2015 Quality management system
- ADCF raw materials
- Meet the requirement of USP <87> in Vitro Biological Reactivity Test
- Meet the requirement of USP < 88> Biological Reactivity Test, in Vivo for Class VI plastics
- Aqueous extraction contains < 0.25 EU/mL as determined by Limulus Amebocyte Lysate(LAL), USP <85>
- Particulate matter in the product eluent meets the requirement in USP <788> for large volume parenterals
- Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 30 minutes at 126°C 25 cycles

ECS Easy Connector

Specification	Description
Size	1/8"HB, 1/4"HB, 3/8"HB, 3/4"TC, 1-1/2"TC
Material	Main Body: Polysulfone (PSF); O-ring: Silicone; Thumb Latch: PVDF
Temperature Range	-80~132°C
Vacuum Resistance	>0.09 MPa
Pressure Range	0~0.41 MPa
Retention Volume	1/8"HB ~0.2 mL; 1/4"HB ~0.2 mL; 3/8"HB ~0.1 mL
Burst Strength	1/8"HB 5.78~6.36 MPa; 1/4"HB 4.49~4.95 MPa; 3/8"HB 3.09~4.26 MPa
Sterilization	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 60 minutes at 132°C, 25 cycles



Male Coupling Insert



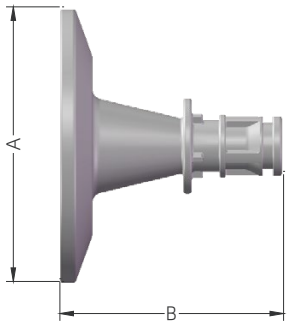
Female Coupling Body

ECS Easy Connector (Female Coupling Bodies, Hose Barb)

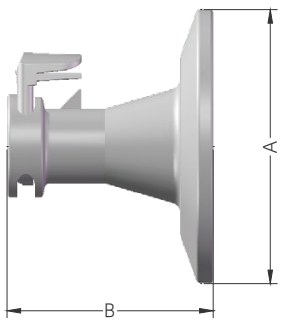
Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	B	CΦ
ECSSFL1N	1/8"HB	Non-sterile	10	5.0	31.0	24.4
ECSSFR1N	1/4"HB	Non-sterile	10	8.9	38.8	24.5
ECSSFY1N	3/8"HB	Non-sterile	10	12.4	43.5	24.4

ECS Easy Connector (Male Coupling Inserts, Hose Barb)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）	
				AΦ	B
ECSSML1N	1/8"HB	Non-sterile	10	5.0	31.3
ECSSMR1N	1/4"HB	Non-sterile	10	8.9	39.1
ECSSMY1N	3/8"HB	Non-sterile	10	12.4	43.8



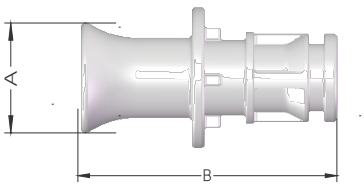
Male Coupling Insert



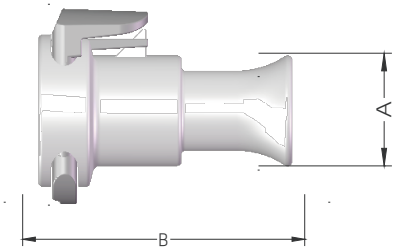
Female Coupling Body

ECS Easy Connector (TC)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）	
				AΦ	B
ECSSFS1N	ECS 1-1/2"TC Female Connector	Non-sterile	10	50.5	38.0
ECSSMS1N	ECS 1-1/2"TC Male Connector	Non-sterile	10	50.5	41.1
ECSSFT1N	ECS 3/4" TC Female Connector	Non-sterile	10	25.0	35.8
ECSSMT1N	ECS 3/4" TC Male Connector	Non-sterile	10	25.0	36.1



Sealing Plug

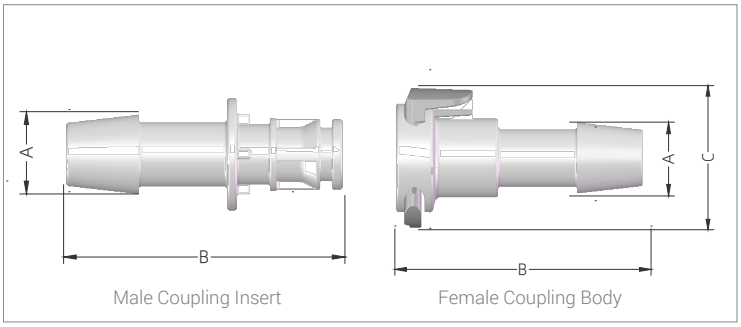


Sealing Cap

ECS Easy Connector (Plug)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）	
				AΦ	B
ECSSFP1N	Female Sealing Cap	Non-sterile	10	13.8	32.0
ECSSMP1N	Male Sealing Plug	Non-sterile	10	13.8	32.3

ECM Easy Connector



Male Coupling Insert　　Female Coupling Body

Specification	Description
Size	1/2"HB
Material	Main Body: Polysulfone (PSF); O-ring: Silicone; Thumb Latch: PVDF
Temperature Range	-80~132°C
Vacuum Resistance	>0.09 MPa
Pressure Range	0~0.41 MPa
Retention Volume	0.2 mL
Burst Strength	1.56~2.88 MPa
Sterilization	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 60 minutes at 132℃, 25 cycles

ECM Easy Connector (Female Coupling Bodies, Hose Barb)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	B	CΦ
ECMSFH1N	1/2"HB	Non-sterile	10	16.0	55.6	34.4

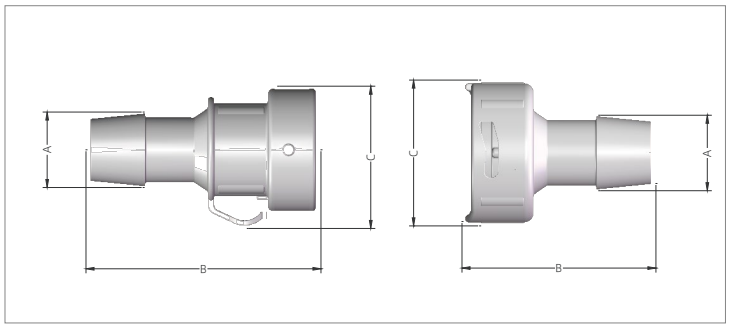
ECM Easy Connector (Male Coupling Inserts, Hose Barb)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）	
				AΦ	B
ECMSMH1N	1/2"HB	Non-sterile	10	16.0	55.6

ECM Easy Connector (Plug)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）	
				AΦ	B
ECMSFP1N	Female Sealing Cap	Non-sterile	10	20.8	45.5
ECMSMP1N	Male Sealing Plug	Non-sterile	10	20.8	45.5

ECL Easy Connector



Specification	Description
Size	3/4"HB, 1"HB
Material	Main Body: Polysulfone(PSF); O-ring: Silicone
Temperature Range	-80~132°C
Vacuum Resistance	>0.09 MPa
Retention Volume	0.2 mL
Sterilization	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 60 minutes at 132°C, 25 cycles

ECL Easy Connector (Female Coupling Bodies, Hose Barb)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	B	CΦ
ECLSFM1N	3/4"HB	Non-sterile	10	23.5	60.4	45.4
ECLSFD1N	1"HB	Non-sterile	10	28.0	60.1	45.4

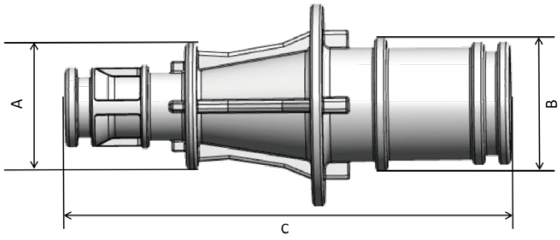
ECL Easy Connector (Male Coupling Inserts, Hose Barb)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	B	CΦ
ECLSMM1N	3/4"HB	Non-sterile	10	23.5	73.2	44.3
ECLSMD1N	1"HB	Non-sterile	10	28.0	73.0	52.5

ECL Easy Connector (Plug)

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	B	CΦ
ECLSFP1N	Female Sealing Cap	Non-sterile	10	45.4	20.2	45.4
ECLSMP1N	Male Sealing Plug	Non-sterile	10	39.6	35.0	31.8

Back-to-Back Easy Connector



Specification	Description
Material	Main Body: Polysulfone(PSF); O-ring: Silicone
Temperature Range	-80~132℃
Vacuum Resistance	＞ 0.09 MPa
Pressure Range	0~0.41 MPa
Retention Volume	0.2 mL
Sterilization	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 60 minutes at 132℃, 25 cycles

Back-to-Back Easy Connector（Male Coupling Body）

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
ECSSMM	ECS Coupling Body to ECS Coupling Body	Non-sterile	10	17.6	17.6	51.0
ECBSMM	ECS Coupling Body to ECM Coupling Body	Non-sterile	10	17.6	18.4	61.7
ECMSMM	ECM Coupling Body to ECM Coupling Body	Non-sterile	10	18.4	18.4	70.9

* Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. Non-sterile: ECSSFL1N
2. Sterile:ECSSFL1S

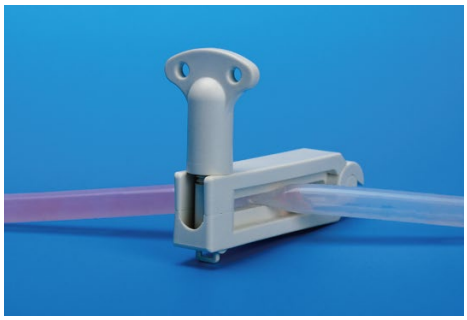
Pinch Clamp

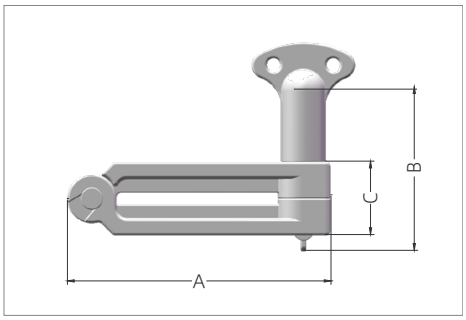
Cobetter Lifemeta™ HA single-use pinch clamp provides various sizes of clamps that can intercept liquid in the tubing, such as silicone tubing, TPE tubing, and reinforced braided silicone tubing. The clamps with excellent mechanical strength and good chemical compatibility, ensure long-term use. Produced by Cobetter, it is reliable in quality, meets multiple regulatory requirements, can customize special sizes according to customer needs, and has a short delivery cycle.

Quality Assurance

- ISO 9001:2015 Quality management system
- ADCF raw materials, manufacturing in the ISO Class 7 clean zones
- Resin raw material meets the requirement of USP <87> in Vitro Biological Reactivity Test
- Resin raw material meets the requirement of USP <88> Biological Reactivity Test, in Vivo for Class VI plastics
- Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved

Pinch Valve

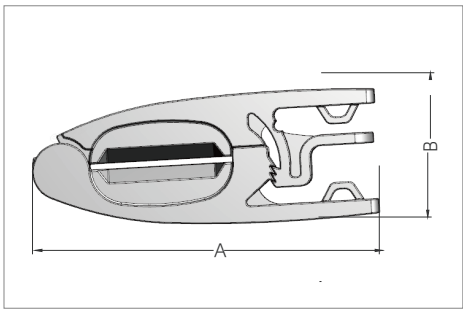




HAVXS

Tubing Compatibility	Silicone Tubing, TPE Tubing, Reinforced Silicone Tubing, High Pressure Silicone Tubing
Wall Thickness	3.2 - 4.8 mm
Material	PA
Temperature Range	-70 to 60°C
Pressure Range	Up to 10 bar
Sterilization	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 30 minutes at 134°C, 5 cycles

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				A	B	C
HAVXSVN	For Wall Thickness 1/8"(3.2 mm) - 3/16"(4.8 mm) Tubing	Non-sterile	5	97.0	76.8	27.0

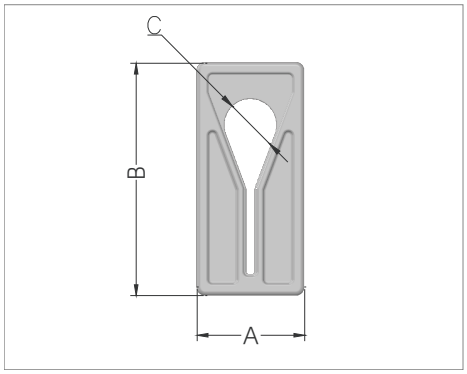


HAVLG/HAVDS

Tubing Compatibility	Silicone Tubing, TPE Tubing
Wall Thickness	HAVLG: 1.5 - 3.2 mm HAVDS: 3.2 - 4.8 mm
Material	PA
Temperature Range	-70 to 60°C
Pressure Range	Up to 5 bar
Locking Structure	Three-stage locking
Sterilization	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 30 minutes at 134°C, 5 cycles

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）	
				A	B
HAVLGVN	For Wall Thickness 1.5 mm - 1/8"(3.2 mm) Tubing	Non-sterile	5	96.0	35.0
HAVDSVN	For Wall Thickness 1/8"(3.2 mm) - 3/16"(4.8 mm) Tubing	Non-sterile	5	143.2	50.9

Slide Clamp

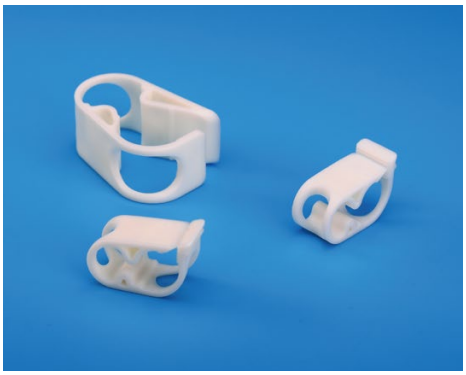


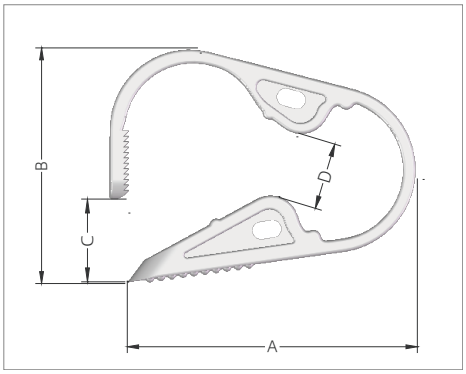
Slide Clamp

Tubing Compatibility	Silicone Tubing, TPE Tubing
Tubing Outer Diameter	6.0mm~3/8"(9.6 mm)
Material	PP
Temperature Range	-70 to 60°C
Sterilization	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 30 minutes at 126°C

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				A	B	C
HACRH5N	For OD 6.0 mm - OD3/8"(9.6 mm) Tubing	Non-sterile	50	25.0	54.0	12.1

Pinch Clamp





Pinch Clamp

Tubing Compatibility	Silicone Tubing, TPE Tubing
Tubing Outer Diameter	HACRH 1/4"(6.4 mm)~1/2"(12.7 mm)
	HACHM 1/2"(12.7 mm)~3/4"(19.1 mm)
	HACHD 1/2"(12.7 mm)~1"(25.4 mm)
Temperature Range	-70 to 60°C
Sterilization	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 30 minutes at 126°C

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）			
				A	B	C	D
HACRH5N	For OD 1/4"(6.4 mm) - OD 1/2"(12.7 mm) Tubing	Non-sterile	50	41.3	29.3	3.7	4.8
HACHM5N	For OD 1/2"(12.7 mm) - OD 3/4"(19.1 mm) Tubing	Non-sterile	50	57.7	43.8	15.6	12.3
HACHD5N	For OD 1/2"(12.7 mm) - OD 1"(25.4 mm) Tubing	Non-sterile	50	64.5	48.8	14.8	13.5

* Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. Non-sterile: HAVXSVN
2. Sterile:HAVXSVS

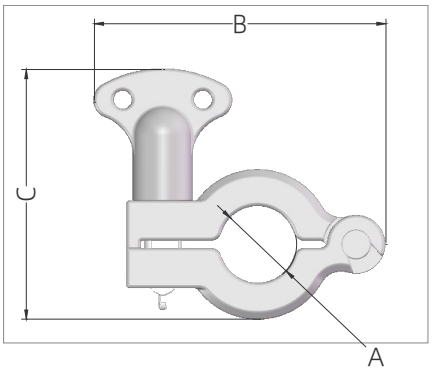
Tri-Clamp Sets

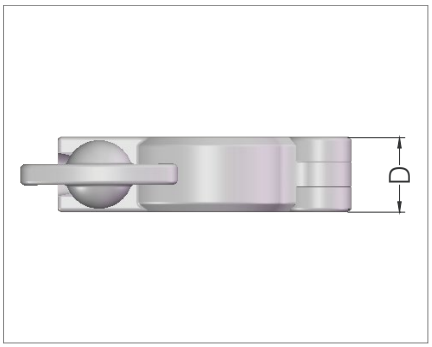
Cobetter Lifemeta™ tri-clamp sets includes TC clamps, silicone gaskets, and blind caps, catering to the frequent disconnection or connection needs in the biopharmaceutical process. It is mainly used for bag powder port sealing, flange connections, as well as tubing and filter product connections. This series of clamps is made of reinforced nylon material, which exhibits minimal distortion compared to other high polymer materials, making it lightweight, flexible, and easy to operate.

Quality Assurance

- ISO 9001:2015 Quality management system
- ADCF raw materials
- Aqueous extraction contains < 0.25 EU/mL as determined by Limulus Amebocyte Lysate(LAL), USP <85>
- Particulate matter in the product eluent meets the requirement in USP <788> for large volume parenterals
- TC Clamp can be sterilized by gamma irradiation at 25-45 kGy or autoclaved 30 minutes at 126℃

TC Clamp





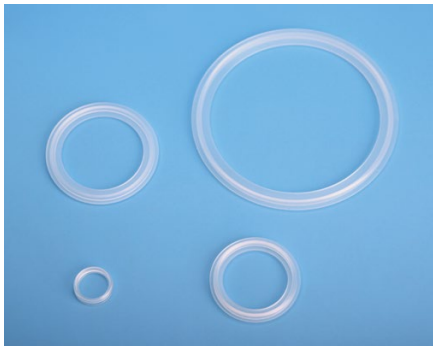
TC Clamp

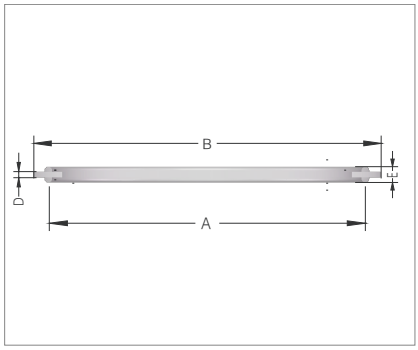
Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）			
				AΦ	B	C	D
TCCNT1N	3/4"TC	Non-sterile	10	21.0	80.0	68.5	18.0
TCCNS1N	1-1/2"TC	Non-sterile	10	45.0	106.0	88.5	18.0
TCCN21N-B	2"TC	Non-sterile	10	55.6	123.8	87.8	18.0
TCCN31N	3"TC	Non-sterile	10	83.8	152.0	103.8	23.0
TCCN41N	4"TC	Non-sterile	10	112.5	174.0	131.8	23.0
TCCN61N	6"TC	Non-sterile	10	159.2	234.5	187.2	21.2
TCCN81N-B	8"TC	Non-sterile	10	210.0	309.0	239.8	23.5

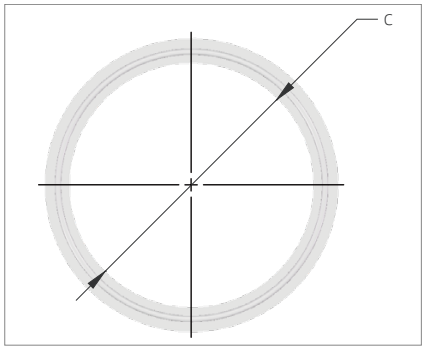
* Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. Non-sterile: TCCNT1N
2. Sterile:TCCNT1S

Silicone Gasket







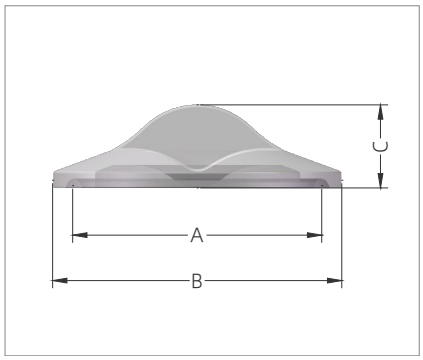
Silicone Gasket

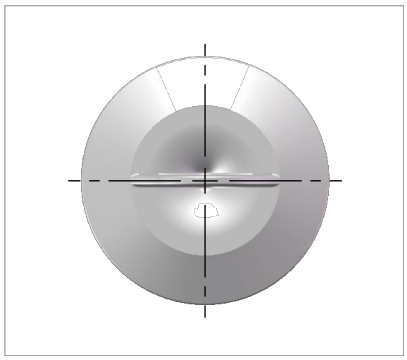
Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）				
				AΦ	BΦ	CΦ	D	E
TCGST1N	3/4"TC	Non-sterile	10	19.9	21.5	16.3	2.0	4.6
TCGSS1N	1-1/2"TC	Non-sterile	10	43.6	49.8	35.8	1.7	5.2
TCGS21N-B	2"TC	Non-sterile	10	57.0	63.5	47.5	1.7	4.4
TCGS31N	3"TC	Non-sterile	10	83.5	91.0	73.0	2.0	5.2
TCGS41N	4"TC	Non-sterile	10	109.4	119.0	101.0	2.0	5.8
TCGS61N	6"TC	Non-sterile	10	156.4	166.9	146.9	2.0	5.2
TCGS81N-B	8"TC	Non-sterile	10	206.0	217.4	199.4	1.8	5.0

* Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. Non-sterile: TCGST1N
2. Sterile:TCGST1S

Blind Cap





Blind Cap

Part No.	Description	Packgaing*	Qty (pcs/pk)	Dimensions（mm）		
				AΦ	BΦ	C
TCEPT1N	3/4"TC	Non-sterile	10	20.3	25.0	15.5
TCEPS1N	1-1/2"TC	Non-sterile	10	43.5	50.5	14.5
TCEP21N-B	2"TC	Non-sterile	10	56.0	63.9	15.0
TCEP31N	3"TC	Non-sterile	10	83.5	91.0	16.6
TCEP41N	4"TC	Non-sterile	10	110.0	119.0	20.3
TCEP61N	6"TC	Non-sterile	10	156.4	166.9	23.5
TCEP81N-B	8"TC	Non-sterile	10	206.0	217.4	25.5

* Packaging: This product is available in sterile or non-sterile packaging. The sterilization method for sterile products is gamma irradiation, and the irradiation dose is 25~45 kGy. Naming of products with different packaging methods refer to the following:

1. Non-sterile: TCEPT1N
2. Sterile:TCEPT1S

Sterile Sampling

Lifecube™ SSB Singe-Use Bottles

Lifecube™ SSB single-use bottles meet the needs of liquid storage, transfer, sampling, packaging, and freezing in most bioprocesses. The bottles are equipped with a high-strength threaded design to avoid the risk of leakage during transfer and storage.

Advantages

- Precise scale by blow molding technology
- Various cap sizes available
- ADCF raw materials
- Good chemical compatibility
- Excellent impact resistance
- Complete validation documents
- Particles matter far below USP <788> standards
- Customized service

Applications

- Sterile liquid storage or transfer
- Cell culture medium harvesting
- Sterile sampling
- Drug freeze-thaw
- Closed liquid import

Specifications

Products	PETG single-use bottles	PC single-use bottles
		
Bottle Material	PETG	PC
Volume Bottle Dimensions L×W×H (mm)	**30 mL**: 38.0 × 38.0 × 60.6 **60 mL**: 40.0 × 40.0 × 80.5 **125 mL**: 52.0 × 52.0 × 104.0 **250 mL**: 58.0 × 58.0 × 141.0 **500 mL**: 73.0 × 73.0 × 171.5 **1 L**: 93.0 × 93.0 × 213.5	**125 mL**: 52.0 × 52.0 × 104.0 **250 mL**: 58.0 × 58.0 × 141.0 **500 mL**: 73.0 × 73.0 × 171.5 **1 L**: 93.0 × 93.0 × 213.5 **2 L**: 114.0 × 114.0 × 265.0
Temperature Range	-40 to 60°C	-80 to 121°C
Sterilization	Can be gamma irradiated at 25-45 kGy in sterile package	Can be gamma irradiated at 25-45 kGy in sterile package Or be autoclaved for 30 min at 121°C

Specifications II

Products	24 mm Caps	38 mm Caps	54 mm Caps	38 mm Molded Silicone Seal Cap
				
Specification	Sealing cap Cap with 2 ports: Outer ports: ⅛"-⅛"HB Inner port: ⅛"	Sealing cap Cap with 2 ports: Outer ports: ¼"-⅛"HB Inner port: ⅛" Cap with 3 ports: Outer ports: ¼"-¼"-⅛"HB Inner port: ⅛"-⅛"	Sealing cap Cap with 2 ports: Outer ports: ¼"-¼"HB Inner port: ¼" Cap with 3 ports: Outer ports: ¼"-¼"-¼"HB Inner port: ¼"-¼"	Cap with 2 ports: Outer ports: ID ⅛", ID ¼" Inner port: ID¼" Cap with 3 ports: Outer ports: ID ⅛", ID ¼", ID ¼" Inner port: ID¼", ID¼"
Material*	Sealing cap: HDPE Cap with 2 ports: PP	Sealing cap: PP (suitable for PC bottles) HDPE (suitable for PETG bottles) Cap with 2 ports: PP Cap with 3 ports: PP	Cap: PP Gasket: Silicone	Cap: PP Tubing: Pt-cured silicone Molded seal part: Pt-cured silicone
Suitable bottle volume**	30/60mL	125 mL/250 mL/500 mL/1 L	2 L	125 mL/250 mL/500 mL/1 L
Sterilization***	PP : Can be sterilized by gamma irradiation at 25-45kGy or autoclaved for 30 minutes at 121°C HDPE: Can be sterilized by gamma irradiation at 25-45kGy			

Products	38-430 mm Molded Silicone Seal Cap	53B Molded Silicone Seal Cap	83B Molded Silicone Seal Cap
			
Specification	Cap with 2 ports	Cap with 3 ports	Cap with 4 ports
Configure	Outer tubing: ID ⅛", ID ¼"	Outer tubing: ID ⅛", ID ¼", ID ¼" Inner tubing: ID ¼", ID ¼"	Outer tubing: ID ¼", ID ¼", ID ⅜", ID ⅜" Inner tubing: ID ¼", ID ¼" ,ID ⅜"
Material	Cap: PP Tubing: Pt-cured silicone Molded seal part: Pt-cured silicone		
Adapter container****	Bottle with 38-430 mm outer neck	Bottle with 53B outer neck	Bottle with 83B outer neck
Sterilization ***	Can be sterilized by gamma irradiation at 25-45 kGy or autoclaved for 30 minutes at 121°C		

* The sealing cap of PETG bottles is made of HDPE; The sealing cap of PC bottles is made of PP; The cap with 2&3 ports of PETG and PC bottles is made of PP.
** Mainly suitable for Cobetter single-use bottles with different outer necks.
*** Please completely loosen the PP bottle cap before autoclaving.
**** Mainly suitable for Nalgene single-use bottles with different outer necks.

Single-Use Bottles + Sealing Cap

Sterile Part No.*	Non-Sterile Part No.	Volume	Bottle Material	Cap Material
SSBC1251N	SSBC1251NN01	125 mL	PC	PP
SSBC2501N	SSBC2501NN01	250 mL		
SSBC5001N	SSBC5001NN01	500 mL		
SSBC01L1N	SSBC01L1NN01	1 L		
SSBC02L1N	SSBC02L1NN01	2 L		
SSBG0301N	SSBG0301NN01	30 mL	PETG	HDPE
SSBG0601N	SSBG0601NN01	60 mL		
SSBG1251N	SSBG1251NN01	125 mL		
SSBG2501N	SSBG2501NN01	250 mL		
SSBG5001N	SSBG5001NN01	500 mL		
SSBG01L1N	SSBG01L1NN01	1 L		

* The sterile version defaults to gamma irradiation for sterilization.

** The default packaging is individual double-layer package.

Single-use Bottles + Cap with 2 Ports I

Sterile Part No.	Non-Sterile Part No.	Volume	Material	Package	Cap Configuration
SSBC12512B01	SSBC12512B02	125 mL	PC	10 pcs/pk	No tubing
SSBC25012B01	SSBC25012B02	250 mL			
SSBC50012B01	SSBC50012B02	500 mL			
SSBC01L12B01	SSBC01L12B02	1 L			
SSBC02L12B01	SSBC02L12B02	2 L			
SSBG03012B01	SSBG03012B02	30 mL	PETG	10 pcs/pk	
SSBG06012B01	SSBG06012B02	60 mL			
SSBG12512B01	SSBG12512B02	125 mL			
SSBG25012B01	SSBG25012B02	250 mL			
SSBG50012B01	SSBG50012B02	500 mL			
SSBG01L12B01	SSBG01L12B02	1 L			
SSBC12512A01	SSBC12512A02	125 mL	PC	1 pcs/pk	Outer Tubing 1: 20 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing* + Metallic Sleeve + ECS Female Connector** Outer Tubing 2: 10 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID⅛"* Lifemeta™ STT Pt-cured Silicone Tubing
SSBC25012A01	SSBC25012A02	250 mL			
SSBC50012A01	SSBC50012A02	500 mL			
SSBC01L12A01	SSBC01L12A02	1 L			
SSBG12512A01	SSBG12512A02	125 mL	PETG	1 pcs/pk	
SSBG25012A01	SSBG25012A02	250 mL			
SSBG50012A01	SSBG50012A02	500 mL			
SSBG01L12A01	SSBG01L12A02	1 L			
SSBC02L12A01	SSBC02L12A02	2 L	PC	1 pcs/pk	Outer Tubing 1: 20 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 2: 10 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID¼" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG03012A01	SSBG03012A02	30 mL	PETG	1 pcs/pk	Outer Tubing 1: 20 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 2: 10 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG06012A01	SSBG06012A02	60 mL			

Single-use Bottles + Cap with 2 Ports II

Sterile Part No.	Non-Sterile Part No.	Volume	Material	Package	Cap Configuration
SSBC12512A03	SSBC12512A04	125 mL	PC	1 pcs/pk	Outer Tubing 1: 40 cm ID¼" Lifemeta™ STF TPE Tubing*** + Tubing Plug** Outer Tubing 2: 10 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing
SSBC25012A03	SSBC25012A04	250 mL			
SSBC50012A03	SSBC50012A04	500 mL			
SSBC01L12A03	SSBC01L12A04	1 L			
SSBG12512A03	SSBG12512A04	125 mL	PETG	1 pcs/pk	
SSBG25012A03	SSBG25012A04	250 mL			
SSBG50012A03	SSBG50012A04	500 mL			
SSBG01L12A03	SSBG01L12A04	1 L			
SSBC02L12A03	SSBC02L12A04	2 L	PC	1 pcs/pk	Outer Tubing 1: 40 cm ID¼" Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 2: 10 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID¼" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG03012A03	SSBG03012A04	30 mL	PETG	1 pcs/pk	Outer Tubing 1: 40 cm ID⅛" Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 2: 10 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing: ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing
SSBG06012A03	SSBG06012A04	60 mL			

* Other brands or lengths of silicone tubing can be selected.
** You can choose sterile connectors, easy connectors, tubing plugs, female luer locks, or other connectors.
*** Other brands or lengths of TPE tubing can be selected.

Single-use Bottles + Cap with 3 Ports

Sterile Part No.	Non-Sterile Part No.	Volume	Material	Package	Cap Configuration
SSBC12513B01	SSBC12513B02	125 mL	PC	10 pcs/pk	No tubing
SSBC25013B01	SSBC25013B02	250 mL			
SSBC50013B01	SSBC50013B02	500 mL			
SSBC01L13B01	SSBC01L13B02	1 L			
SSBC02L13B01	SSBC02L13B02	2 L			
SSBG12513B01	SSBG12513B02	125 mL	PETG	10 pcs/pk	
SSBG25013B01	SSBG25013B02	250 mL			
SSBG50013B01	SSBG50013B02	500 mL			
SSBG01L13B01	SSBG01L13B02	1 L			
SSBC02L13A01	SSBC02L13A02	2 L	PC	1 pcs/pk	Outer Tubing 1: 20 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing* + Metallic Sleeve + ECS Female Connector** Outer Tubing 2: 20 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 3: 10 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID¼" Lifemeta™ STT Pt-cured Silicone Tubing
SSBC12513A01	SSBC12513A02	125 mL	PC	1 pcs/pk	Outer Tubing 1: 20 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 2: 20 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 3: 10 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing
SSBC25013A01	SSBC25013A02	250 mL			
SSBC50013A01	SSBC50013A02	500 mL			
SSBC01L13A01	SSBC01L13A02	1 L			
SSBG12513A01	SSBG12513A02	125 mL	PETG	1 pcs/pk	
SSBG25013A01	SSBG25013A02	250 mL			
SSBG50013A01	SSBG50013A02	500 mL			
SSBG01L13A01	SSBG01L13A02	1 L			
SSBC12513A03	SSBC12513A04	125 mL	PC	1 pcs/pk	Outer Tubing 1: 40 cm ID¼" Lifemeta™ STF TPE Tubing*** + Tubing Plug** Outer Tubing 2: 40 cm ID¼" Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 3: 10 cm ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID⅛" Lifemeta™ STT Pt-cured Silicone Tubing
SSBC25013A03	SSBC25013A04	250 mL			
SSBC50013A03	SSBC50013A04	500 mL			
SSBC01L13A03	SSBC01L13A04	1 L			
SSBG12513A03	SSBG12513A04	125 mL	PETG	1 pcs/pk	
SSBG25013A03	SSBG25013A04	250 mL			
SSBG50013A03	SSBG50013A04	500 mL			
SSBG01L13A03	SSBG01L13A04	1 L			
SSBC02L13A03	SSBC02L13A04	2 L	PC	1 pcs/pk	Outer Tubing 1: 40 cm ID¼" Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 2: 40 cm ID¼" Lifemeta™ STF TPE Tubing + Tubing Plug Outer Tubing 3: 10 cm ID¼" Lifemeta™ STT Pt-cured Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID¼" Lifemeta™ STT Pt-cured Silicone Tubing

* Other brands or lengths of silicone tubing can be selected.
** You can choose sterile connectors, easy connectors, tubing plugs, female luer locks, or other connectors.
*** Other brands or lengths of TPE tubing can be selected.

Single-use Bottles + Molded silicone seal cap with 2 ports

Sterile Part No.	Non-Sterile Part No.	Volume	Bottle Material	Cap * Material	Package	Cap Configuration
SSBC12512C01	SSBC12512C02	125 mL	PC	PP	1 pcs/pk	Outer Tubing 1: ID¼" Silicone Tubing + Metallic Sleeve + ECS Female Connectorr Outer Tubing 2: ID⅛" Silicone Tubing + Vent Filter Inner Tubing: ID¼" Silicone Tubing
SSBC25012C01	SSBC25012C02	250 mL				
SSBC50012C01	SSBC50012C02	500 mL				
SSBC01L12C01	SSBC01L12C02	1 L				
SSBG12512C01	SSBG12512C02	125 mL	PETG		1 pcs/pk	
SSBG25012C01	SSBG25012C02	250 mL				
SSBG50012C01	SSBG50012C02	500 mL				
SSBG01L12C01	SSBG01L12C02	1 L				

* PP bottle cap does not contact the liquid.

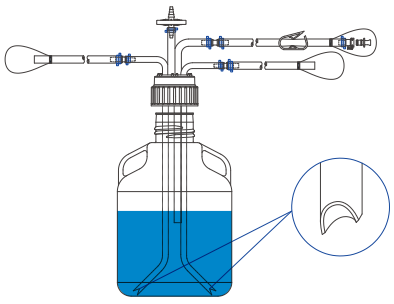
Single-use Bottles + Molded silicone seal cap with 3 ports

Sterile Part No.	Non-Sterile Part No.	Volume	Bottle Material	Cap * Material	Package	Cap Configuration
SSBC12513C01	SSBC12513C02	125 mL	PC	PP	1 pcs/pk	Outer Tubing 1: ID¼" Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 2: ID¼" Silicone Tubing + Metallic Sleeve + ECS Female Connector Outer Tubing 3: ID⅛" Silicone Tubing + Vent Filter Inner Tubing 1, 2: ID¼" Silicone Tubing
SSBC25013C01	SSBC25013C02	250 mL				
SSBC50013C01	SSBC50013C02	500 mL				
SSBC01L13C01	SSBC01L13C02	1 L				
SSBG12513C01	SSBG12513C02	125 mL	PETG		1 pcs/pk	
SSBG25013C01	SSBG25013C02	250 mL				
SSBG50013C01	SSBG50013C02	500 mL				
SSBG01L13C01	SSBG01L13C02	1 L				

* PP bottle cap does not contact the liquid.

Molded silicone seal cap

Sterile Part No.**	Specification	Package	Cap Configuration
CSPLR137	Cap with 2 ports, 38-430 mm	1 pcs/pk	Outer Tubing 1: ID⅛" Silicone Tubing Outer Tubing 2: ID¼" Silicone Tubing
CSPLRR153	Cap with 3 ports, 53B	1 pcs/pk	Outer Tubing 1: ID⅛" Silicone Tubing Outer Tubing 2, 3: ID¼" Silicone Tubing Inner Tubing 1, 2: ID¼" Silicone Tubing
CSPRRYY183	Cap with 3 ports, 83B	1 pcs/pk	Outer Tubing 1, 2: ID¼" Silicone Tubing Outer Tubing 3, 4: ID⅜" Silicone Tubing Inner Tubing 1, 2: ID¼" Silicone Tubing Inner Tubing 3: ID⅜" Silicone Tubing

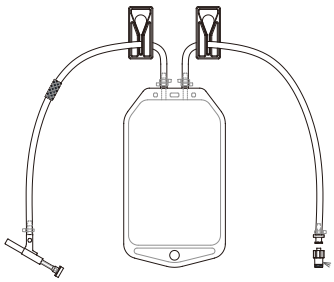


* Mainly suitable for Nalgene single-use bottles with different outer necks.
** This product is sold as non-sterile by defaule.

Lifemeta™ SA Sterile Sampling System

Lifemeta™ sterile sampling system is flexible technology for fluid aseptic transfer processes. Lifecube™sampling units are mainly used for liquid transmission. It is composed of different types of sampling needles and ports. The 1 mm needle is used for general sampling, and 2 mm needle is usually used for cell culture sampling. The bag unit should be used with Lifemeta™ sampling holder and manual crimping tool. For single-use only, the needle may only penetrate the septum once to ensure proper sealing.

Lifecube™ Sampling Unit



Sampling Bag
Available in 50,100,250 and 500 mL sires

Ordering Information

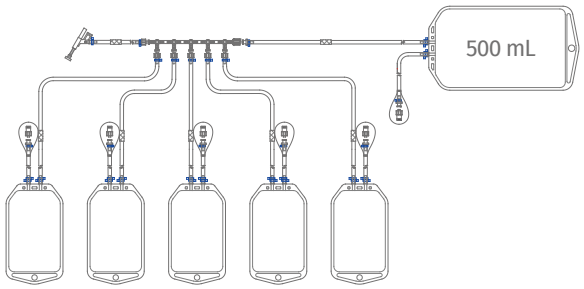
Single Sampling Bag		
Volume	Cat No.	Sampling Lines
2D 50 mL	KAS0051T4VA1	Line 1: 20 cm ID⅛" * OD¼" Lifemeta™ STT Pt-cured Silicone Tubing * + Metallic Sleeve + NF Sampling Needle, 1 mm Line 2: 20 cm ID⅛" * OD¼" Lifemeta™ STT Pt-cured Silicone Tubing + Sampling Plug **
2D 100 mL	KAS0101T4VA1	
2D 250 mL	KAS0251T4VA1	
2D 500 mL	KAS0501T4VA1	
2D 50 mL	KAS0051T4VA2	Line 1: 20 cm ID1/8"* OD1/4" LifemetaTM STT Pt-cured Silicone Tubing + Metallic Sleeve + NF Sampling Needle, 2 mm Line 2: 20 cm ID1/8"* OD1/4" LifemetaTM STT Pt-cured Silicone Tubing + Sampling Plug*
2D 100 mL	KAS0101T4VA2	
2D 250 mL	KAS0251T4VA2	
2D 500 mL	KAS0501T4VA2	
2D 50 mL	KAS0051T4V	Line 1: 20 cm ID1/8"* OD1/4" LifemetaTM STT Pt-cured Silicone Tubing + Metallic Sleeve + NS Sampling Needle, 2 mm Line 2: 20 cm ID1/8"* OD1/4" LifemetaTM STT Pt-cured Silicone Tubing + Sampling Plug*
2D 100 mL	KAS0101T4V	
2D 250 mL	KAS0251T4V	
2D 500 mL	KAS0501T4V	
2D 50 mL	KAS0051T4VA4	Line 1: 20 cm ID 3.0 mm * OD 6.0 mm Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + NF Sampling Needle, 1 mm Line 2: 20 cm ID 3.0 mm * OD 6.0 mm Lifemeta™ STT Pt-cured Silicone Tubing + Sampling Plug
2D 100 mL	KAS0101T4VA4	
2D 250 mL	KAS0251T4VA4	
2D 500 mL	KAS0501T4VA4	
2D 50 mL	KAS0051T4VA5	Line 1: 20 cm ID 3.0 mm * OD 6.0 mm Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + NF Sampling Needle, 2 mm Line 2: 20 cm ID 3.0 mm * OD 6.0 mm Lifemeta™ STT Pt-cured Silicone Tubing + Sampling Plug
2D 100 mL	KAS0101T4VA5	
2D 250 mL	KAS0251T4VA5	
2D 500 mL	KAS0501T4VA5	
2D 50 mL	KAS0051T4VA3	Line 1: 20 cm ID 3.0 mm * OD 6.0 mm Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + NS Sampling Needle, 2 mm Line 2: 20 cm ID 3.0 mm * OD 6.0 mm Lifemeta™ STT Pt-cured Silicone Tubing + Sampling Plug
2D 100 mL	KAS0101T4VA3	
2D 250 mL	KAS0251T4VA3	
2D 500 mL	KAS0501T4VA3	

*TPE and other brand tubing can be selected

** Needlefree swabable valve and lure fittings can be selected for the end sampling connector

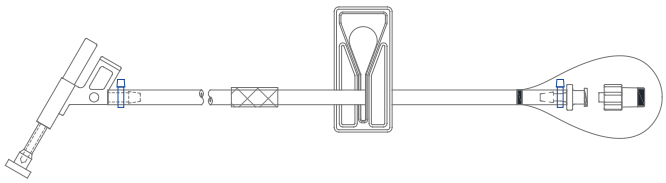
Multiple Sampling Bags

Volume	Cat No.	Configuration
2D 50 mL	KAS0055T4V	NS Sampling Needle, 2 mm + ID ⅛" * OD ¼"Lifemeta™ STT Pt-cured Silicone Tubing + 5 * Sampling Bags + 1*500 mL Waste Bag
2D 100 mL	KAS0105T4V	
2D 250 mL	KAS0255T4V	
2D 500 mL	KAS0505T4V	
2D 50 mL	KAS0055T4VA3	NS Sampling Needle, 2 mm + ID 3.0 mm * OD 6.0 mm Lifemeta™ STT Pt-cured Silicone Tubing + 5 * Sampling Bags + 1*500 mL Waste Bag
2D 100 mL	KAS0105T4VA3	
2D 250 mL	KAS0255T4VA3	
2D 500 mL	KAS0505T4VA3	



Sampling Assemblies

Volume	Configuration
SAL1TL054VS	NS Sampling Needle, 2 mm + 50 cm ID1/8"* OD1/4" Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + Sampling Plug
SAL1CL104VS	NS Sampling Needle, 2 mm + 100 cm ID1/8"* OD1/4" C-Flex 374 TPE Tubing+ Metallic Sleeve + Sampling Plug
SAL1TL054VSA3	NS Sampling Needle, 2 mm + 50 cm ID 3.0 mm * OD 6.0 mm Lifemeta™ STT Pt-cured Silicone Tubing + Metallic Sleeve + Sampling Plug



Lifemeta™ Sampling Holder

Lifemeta™ sampling holder is designed to be used with Lifemeta™ sampling units. There are two types of sampling holders that can be matched 1 or 2 mm sampling needles. The sampling holders and needles are pre-assembled and then docked with the stainless steel container for sterile sampling, and reducing the risk of contamination.

Applications

- Sampling from stainless steel containers
- Configure on site
- In conjunction with single-use sampling bags and needles

Benefits

- Accurate, small volume of samples
- Reduce the risk of contamination
- Sterile transfer

Materials of Construction

TC Holder Material	Stainless steel 316 L
Magazine Material	Aluminium alloy 6061
Locking Nut and Tool Materials	Stainless steel 316 L
Surface Finish	Wetted parts electropolished Ra ≤0.5 µm
Operating Temperature	-80°C to 150°C (-112° to 302°F)
Maximum Operating Pressure	0-6 bar (0-87 psi)

Ordering Information

Cat No.	Description	Qty/pk
NFM5D	NF Sampling Holder, compatible with 1 mm and 2 mm NF sampling needles and port plug, 5 sampling ports, adapter type 1.5" TC (OD 50.5 mm)	1
NSM5D	NS Sampling Holder, compatible with 2 mm NS sampling needles and port plug, 5 sampling ports, adapter type 1.5" TC (OD 50.5 mm)	1
C5NP5N	Port Plug, with washer	50
C5NPC5N	Port Plug, without washer	50
C5NP5N-N	Port Plug, with washer + pin	50

Lifemeta™ Manual Crimping Tool

Lifemeta™ manual crimping tools can realize aseptic disconnection of silicone or TPE tubing, quick disconnection of the tubing with the metallic sleeve into the edge die to prevent external microorganisms from entering the fluid path during disconnection. Lifemeta™ manual crimping tools provide aseptic disconnection in classified or non-classified environments. It protects the liquid inside the tubing from external conditions and seals the tubing without risk of leakage.

Specifications

Body Material	Aluminium alloy
Die Material	Steel with hardened special surface treatment
Bearing Material	304 Stainless Steel
Diameter of Tubing	ID⅛" * OD¼"
Weight	730 g

Ordering Information

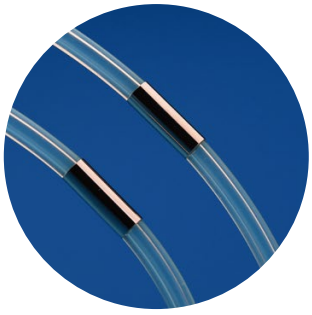
Cat No.	Description	Qty/pk
DCMMCT	Manual Crimping Tool	1 pcs
DCM064M-E	Metallic Sleeve	100 pcs
STTL150N	Pt-cured Silicone Tubing, ID⅛" * OD¼"	15 m

Metallic Sleeve

Cobetter Lifemeta™ DCM metallic sleeve can achieve the sterile disconnection of silicone tubing or TPE tubing. They are mainly used in conjunction with manual or electric sterile crimping tools. By placing the metallic sleeve into the blade of the crimping tool and applying a certain force, the fluid tubing can be quickly disconnected, preventing external microorganisms from entering the fluid channel during disconnection. They are primarily used in sterile sampling systems.

Product Features

- Strong sealing, low risk of cracking
- Mainly used in sterile sampling systems
- Can achieve sterile disconnection in any workshop environment
- Can be disconnected at any position in the tubing

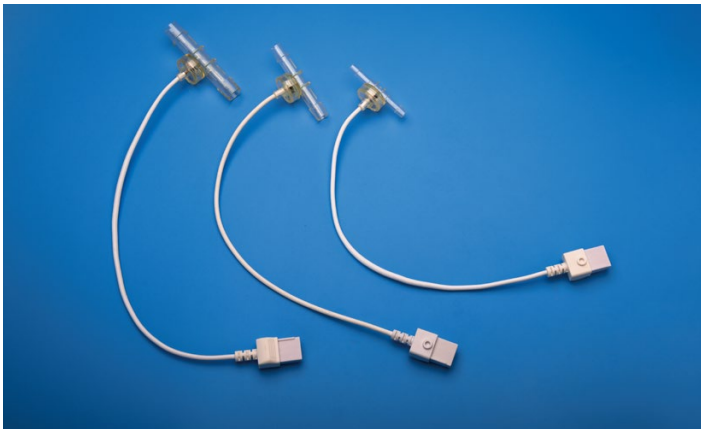


Ordering Information

Cat No.	Description	Qty/pk
DCM060M-E	For ID3.0*OD6.0mm Tubing	100
DCM064M-E	For ID1/8"*OD1/4" Tubing	100
DCM112M-E	For ID1/4"*OD7/16" Tubing	100
DCM128M-E	For ID1/4"*OD1/2" Tubing	100
DCM159M-E	For ID3/8"*OD5/8" Tubing	100
DCM191M-E	For ID1/2"*OD3/4" Tubing	100

Lifemeta™ SPC Single-use Pressure Sensor

Cobetter Lifemeta SPC single-use pressure sensor adopts a smooth flow channel design without dead ends, which can accurately measure the static and dynamic pressure of gases and liquids in the process. The sensors connect to monitors via an integral connector for high-precision reading, compatible with other pre-certified third-party displays.



Quality assurance

- ISO 9001:2015 quality management system
- Manufactured in ISO Class 7 clean area
- 100% accuracy tested & leak tested
- Meet the requirement of USP <87> In Vitro Biological Reactivity Test
- Meet the criteria of the USP <88> Biological Reactivity Test for Class VI plastics
- Aqueous extraction contains < 0.25 EU/mL, USP <85>
- Particulate matter in the product eluent meets the requirements in USP<788> for large volume parenterals
- Double-layer packaging
- Validation documents are available

Sensor	SPC Single-use pressure sensor	
Body Material	Polysulfone (PSF)	
	Polycarbonate (PC)	
Sterilization	Sterilizable by gamma irradiation at 25-45 kGy	
Temperature range	From -25 °C to 65 °C	
Chemical resistance	PSF: Tolerates 0.5 M NaOH, 48 h	
	PC: Intolerance to NaOH	
Sensor Output	0.2584 mV/V/psi	
Zero Pressure Offset	-20 mmHg ~ 20 mmHg	
Accuracy	Range	Specification
	0 to 6 PSI (0 to 41.37 kPa)	±2% of reading
	6 to 30 PSI (41.37 to 206.84 kPa)	±3% of reading
	30 to 45 PSI (206.84 to 310.26 kPa)	±5% of reading

Hose Barbs Sensors Ordering Information

Part No.	Description*	Material	Packgaing*	Qty (pcs/pk)
SPCSRR	1/4"HB × 1/4"HB, without calibration certificate	PSF	Non-sterile	1
SPCSYY	3/8"HB × 3/8"HB, without calibration certificate	PSF	Non-sterile	1
SPCSHH	1/2"HB × 1/2"HB, without calibration certificate	PSF	Non-sterile	1
SPCSRR-C	1/4"HB × 1/4"HB, with calibration certificate	PSF	Non-sterile	1
SPCSYY-C	3/8"HB × 3/8"HB, with calibration certificate	PSF	Non-sterile	1
SPCSHH-C	1/2"HB × 1/2"HB, with calibration certificate	PSF	Non-sterile	1

Luer Sensors Ordering Information

Part No.	Description*	Material	Packgaing*	Qty (pcs/pk)
SPCCCP	Female Luer × Male Luer, without calibration certificate	PC	Non-sterile	1
SPCSCP	Female Luer × Male Luer, without calibration certificate	PSF	Non-sterile	1
SPCCCP-C	Female Luer × Male Luer, with calibration certificate	PC	Non-sterile	1
SPCSCP-C	Female Luer × Male Luer, with calibration certificate	PSF	Non-sterile	1

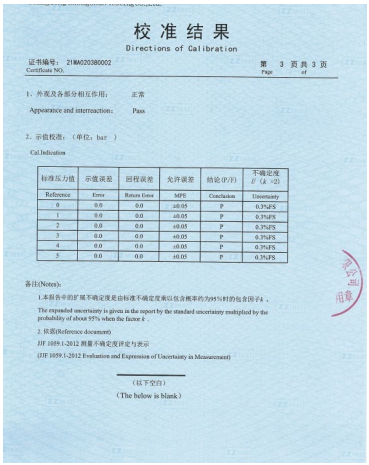
TC Sensors Ordering Information

Part No.	Description*	Material	Packgaing*	Qty (pcs/pk)
SPCSTT	3/4"TC × 3/4"TC, without calibration certificate	PSF	Non-sterile	1
SPCSSS	1-1/2"TC × 1-1/2"TC, without calibration certificate	PSF	Non-sterile	1
SPCSTT-C	3/4"TC × 3/4"TC, with calibration certificate	PSF	Non-sterile	1
SPCSSS-C	1-1/2"TC × 1-1/2"TC, with calibration certificate	PSF	Non-sterile	1

*According to the user's needs, you can choose calibration or non-calibration.

**Pressure sensors can be used with other third-party pressure monitors. Please consult sales or technicians for details.

Appendix



校 准 结 果

Directions of Calibration

证书编号：21MA020380002 Certificate NO.

第 3 页 共 3 页 Page of

1、外观及各部分相互作用： 正常

Appearance and interreaction: Pass

2、示值校准：（单位：bar ）

Cal.Indication

标准压力值 Reference	示值误差 Error	回程误差 Return Error	允许误差 MPE	结论(P/F) Conclusion	不确定度 U (k =2) Uncertainty
0	0.0	0.0	±0.05	P	0.3%FS
1	0.0	0.0	±0.05	P	0.3%FS
2	0.0	0.0	±0.05	P	0.3%FS
3	0.0	0.0	±0.05	P	0.3%FS
4	0.0	0.0	±0.05	P	0.3%FS
5	0.0	0.0	±0.05	P	0.3%FS

备注(Notes):

1.本报告中的扩展不确定度是由标准不确定度乘以包含概率约为95%时的包含因子k。

The expanded uncertainty is given in the report by the standard uncertainty multiplied by the probability of about 95% when the factor k

2. 依据(Reference document)

JJF 1059.1-2012 测量不确定度评定与表示

(JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

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Instruments

Biophsep™ TFF System- MiniLab

Biophsep™ TFF System - MiniLab experimental grade ultrafiltration system consists of peristaltic pump, proportional pinch valve, balance, control cabinet, tablet computer and data processing software. Users can freely select and configure according to their needs, and independently develop data processing software set settings. Plan, collect data by yourself and form reports, one-click operation and other functions are integrated into one. High degree of automation, flexible and convenient to use.

Technical Parameters

Size	About 4200 cm^2
Weight	17 kg
Voltage	100-240 V 50/60 Hz
Max. output current	0.9 A
Power	200 W
Storage temperature	< 50°C
Hollow fiber filter	Mini / Mini Lab /Lab Recommended Process Volume < 2 L
Cassette	Recommended Process Volume < 4 L Peristaltic Pump: 0.01-0.34 m^2 Diaphragm Pump: 0.01-0.6 m^2

Tubing flow range	13#	0.36-36 mL/min
	14#	1.3-130 mL/min
	16#	4.8-480 mL/min
	25#	10-1000 mL/min
	17#	17-1700 mL/min

Ordering Information

Product name	Model	Unit
Biophsep™ TFF System	MiniLab	1/pkg
Conical reservoir assembly	500 mL	1/pkg
Conical reservoir assembly	250 mL	1/pkg
Conical reservoir assembly	50 mL	1/pkg
Reservoir kit	1L	1/pkg
Reservoir stand	250 / 500 mL	1/pkg

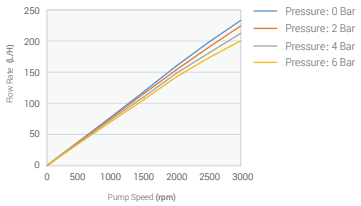
Convemate Quaternary Diaphragm Pump

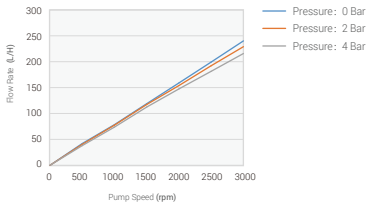
Convemate Quaternary Diaphragm Pump is designed for critical applications in the biopharmaceutical industry, available in single-use and multiple-use pump heads according to your applications. The working principle of diaphragm pump ensures gently, safety and reliability transfer of shear-sensitive aqueous solutions and biologic products, reducing shear effect and particle generation. Additionally, Cobetter Quaternary Diaphragm Pump allows for risk-free dry-running, low pulsation, self-priming.

Ordering Information

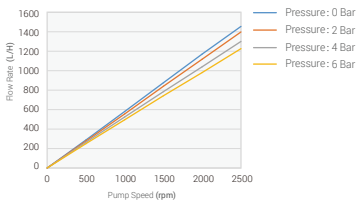
Model	Description	Package (pcs/box)
FDP-MU0150-SPD	Multiple-Use-150-Speed Control Pump	1PC
FDP-MU0150-SMT	Multiple-Use-150-Speed Control Pump	1PC
FDP-MU1200-SPD	Multiple-Use-1200-Speed Control Pump	1PC
FDP-MU1200-SMT	Multiple-Use-1200-Speed Control Pump	1PC
FDP-SU0150-SPD	Single-Use-150-Speed Control Pump	1PC
FDP-SU0150-SMT	Single-Use Pumps-150-Intelligent Pump	1PC
FDP-SU1200-SPD	Single-Use-1200-Speed Control Pump	1PC
FDP-SU1200-SMT	Single-Use Pumps-1200-Intelligent Pump	1PC
FDP-SU0150-PHD	Single-Use Pump head-150	1PC
FDP-SU1200-PHD	Single-Use Pump head-150, Sterile	1PC
FDP-SU0150-PHS	Single-Use Pump head-1200	1PC
FDP-SU1200-PHS	Single-Use Pump head-1200, Sterile	1PC

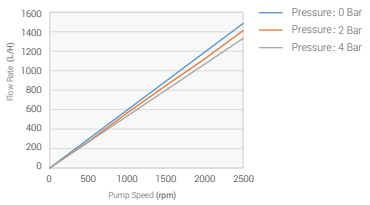
		FDP MU0150	FDP SU0150
Max. Flow Rate	Eccentric Shaft 5°	1-180 lph (0.017-3 lpm)	1-180 lph (0.017-3 lpm)
Pressure	Temp. of Fluid < 40° C	6 bar	4 bar
	Temp. of Fluid > 40° C	4 bar	4 bar
Max. Temperature	Fluid	80°C	60°C
	Moist Heat Sterilization 30min	121°C	121°C
Suction Lift Dry @3000 rpm	Eccentric Shaft 5°	2-3 m	2-3 m
Volume at Free Output	Approximated Volume per Revolution (0 bar)	1.25 mL	1.25 mL
Motor	Rated speed	3000 rpm	3000 rpm
	Voltage	200-240 VAC	200-240 VAC
	Power	100 W	100 W
Connections	Inner Diameter	4.7 mm	4.7 mm
	Chuck Diameter	25 mm	25 mm
Materials	Housing	SS316L	PP
	Diaphragm	TPE	TPE
	Check Valve	EPDM	EPDM
	O-ring	EPDM	EPDM





		FDP MU1200	FDP SU1200
Max. Flow Rate	Eccentric Shaft 5°	6-1200 lph (0.1-20lpm)	6-1200 lph (0.1-20lpm)
Pressure	Temp. of Fluid < 40° C	6 bar	4 bar
	Temp. of Fluid > 40° C	4 bar	4 bar
Max. Temperature	Fluid	80 °C	80°C
	Moist Heat Sterilization 30min	121 °C	121°C
Suction Lift Dry @3000 rpm	Eccentric Shaft 5°	4-4.5 m	4-4.5 m
Volume at Free Output	Approximated Volume per Revolution (0 bar)	9.7 mL (5°)	9.7 mL (5°)
Motor	Rated Speed	2500 rpm	2500 rpm
	Voltage	200-240 VAC	200-240 VAC
	Power	750 W	750 W
Connections	Inner Diameter	16 mm	16 mm
	Chuck Diameter	25 mm	25 mm
Materials	Housing	SS 316 L	PP
	Diaphragm	TPE	TPE
	Check Valve	EPDM	EPDM
	O-ring	EPDM	EPDM





Lifemeta™ C-QPM2 Multi-Channel Pressure On-Line Monitor

Product Parameters

Material	ABS case
IO	Pressure monitor Utah connector * 3 4-20mA Prepared Interface * 2 USB *1 RJ45 * 1
Pressure Sensor Adapter Cables	3.2 m/pc, total 3 pcs.
Interface Type	Utah connectors
Input Signal Sensitivity	3.78 mV/Bar/V
Pressure signal range	0-75 psi
Operating system	Win11
Storage space	512 G
Privilege level	3
Transmission accuracy	±1 % or ±0.01 psi

Typical Application

· Pressure inside the bioreactor bag
· Chromatography process pressure monitoring
· Pressure in lines before and after the chroma tography column
· Pressure before and after sterilization filters
· Circulation pump inlet pressure during filtration
· PUPSIT pressure monitoring
· Pressure monitoring during formulation filling

Ordering Information

Cat No.	Description	Qty/pk
Multi-Channel Pressure On-Line MonitorLMTSA0	C-QPM2	1 pk

Lifemeta™ Tube Sealer

Application

· Aseptically seal TPE tubes of single-use sampling bags
· Aseptically seal TPE tubes of single-use storage bags

Parameters

Model	LMTSA0
Input Voltage /Power	100-240 VAC 50/60 HZ 200 W
Screen	7.0 inch high-definition color touch screen with a resolution of 1024 * 600
Dimension	Length:305mm; Width:220mm Height:Controller 160 mm + Handheld Module 150 mm
Weight	Controller 3.3 kg; Handheld module 2.5 kg
Applicable Environment	Operating temperature 5℃~40℃ Humidity 35%-80%
Log Capacity	100,000
Interface	USB*1

Ordering Information

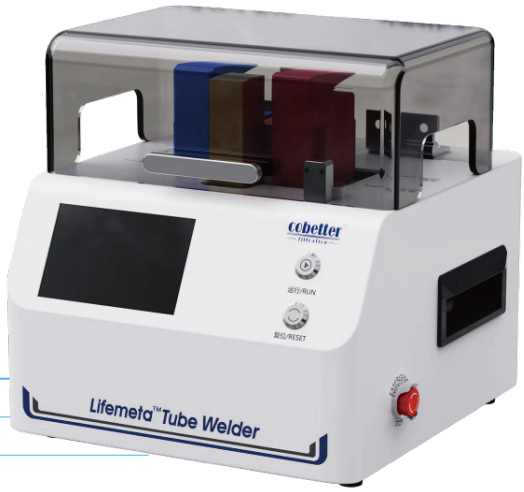
Name	Model	Unit/Box
Lifemeta™ Tube Sealer	LMTSA0	1pcs

Lifemeta™ Tube Welder

Application

· Aseptically weld TPE tubes of single-use sampling bags

· Aseptically weld TPE tubes of single-use storage bags



Parameters

Model	**LMTWA0**
Input Voltage/Power	100-240 VAC 50/60 HZ 288 W
Screen	4.3 inch high-definition color touch screen with a resolution of 480*272
Dimension	L×W×H：270×263×263 mm
Weight	11.1 Kg
Applicable Environment	Operating Temperature 5℃~40℃ Humidity 20%-80%
Log Storage	SD Card
Interface	RJ45*1

Ordering Information

Name	Model	Unit/Box
Lifemeta™ Tube Welder	LMTWA0	1 pcs
Blade	SH20	50/box
1/8"*1/4"Tube Holder	SH1	2 pcs/group
3/16"*5/16"Tube Holder	SH2	2 pcs/group
1/4"*3/8"Tube Holder	1SH3	2 pcs/group
1/4"*7/16"Tube Holder	SH4	2 pcs/group
3/8"*9/16"Tube Holder	SH5	2 pcs/group
5/16"*1/2"Tube Holder	SH6	2 pcs/group
3/8"*5/8"Tube Holder	SH8	2 pcs/group
1/2"*3/4"Tube Holder	SH9	2 pcs/group

Lifemeta™ Tube Welder-Pro

Application

· Aseptically weld TPE tubes of single-use sampling bags

· Aseptically weld TPE tubes of single-use storage bags

Parameters

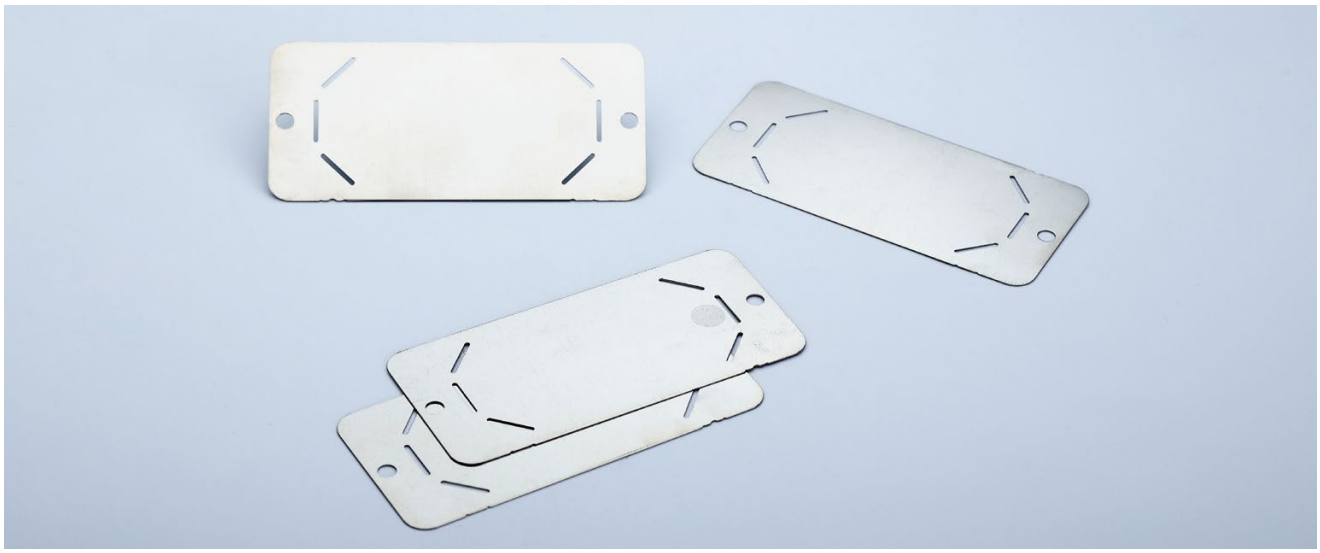
Model	**LMTWPA0**
Input Voltage/Power	100-240 VAC 50/60 HZ 200 W
Screen	7 inch high-definition color touch screen
Dimension	L×W×H：605mm×256mm×297 mm
Weight	18.5Kg
Applicable Environment	Operating Temperature 5℃~40℃ Humidity 20%-80%
Log Storage	USB export

Ordering Information

Name	Model	Unit/Box
Lifemeta™ Tube Welder	LMTWPA0	1 pcs
Blade	W-J-BJ-JGJ-006	50/box
1/8"*1/4"Tube Holder	W-J-JJ-JGJ-050	2 pcs/group
3/16"*5/16"Tube Holder	W-J-JJ-JGJ-058	2 pcs/group
1/4"*3/8"Tube Holder	W-J-JJ-JGJ-051	2 pcs/group
1/4"*7/16"Tube Holder	W-J-JJ-JGJ-052	2 pcs/group
ID3/8"*OD5/8"Tube Holder	W-J-JJ-JGJ-053	2 pcs/group
ID1/2"*OD3/4"Tube Holder	W-J-JJ-JGJ-054	2 pcs/group
ID5/8"*OD7/8"Tube Holder	W-J-JJ-JGJ-055	2 pcs/group
ID3/4"*OD1"Tube Holder	W-J-JJ-JGJ-056	2 pcs/group

Lifemeta™ CLSB-II Blade for Sterile Welder

Lifemeta CLSB-II blade is a special blade for Sartorius BioWelder® Total Containment. It is suitable for sterile connection of thermoplastic tubes for single-use products such as liquid storage bags and sampling bags, and supports the connection of dry or liquid-filled tubing.
In non-sterile environment, Lifemeta CLSB-II sterile welder blade achieve sterile and reliable connection of thermoplastic tubes on Sartorius Biowelder® TC Sterile Tube Welder, and this blade can be reused if cleaned and used properly.



Parameters

Product Name	Lifemeta CLSB- II Blade
Application	Biowelder® Total Containment
Material	Ni80Cr20
Coating	Non

Length	82.5 mm
Width	38.0 mm
Thickness	0.4 mm
Temperature Sensing Point	Yes
Number of Temperature Sensing Points	1
Temperature Sensing Point Size	r=7.4 mm

Product Information

Product Name	Part	Product Description	Packaging
Blade	**CLSB-II**	Compatible with Sartorius BioWelder® Total Containment	50 pcs/PK

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filtration

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