

# кстрак ионн е иль SE, ETC, ETG

## Технические характеристики

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Томск (3822)98-41-53  
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## Soxhlet extractor

For the experiments of extracting compounds from solid substances in the laboratory, a Soxhlet extractor (as shown in Fig) is generally used. Soxhlet extractor is composed of three parts: extraction bottle, extraction tube and condenser, with siphon and connection tube on both sides of the extraction tube. Using the principle of solvent reflux and siphon, the solid material is continuously extracted by pure solvent, which saves the solvent and has high extraction efficiency. Suitable for scientific research, colleges and universities, medicine and health care, and industrial and mining enterprises and other units of the laboratory.

Characterization			
volume	condenser	Extraction tube	Extraction flask
60ml	Standard Taper Joint Top: 34/35 mm	Length:230mm	Standard Taper Joint Top: 19/26mm
	Effective length:230mm	Upper Standard Taper Joint Top: 34/35mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 19/26mm	
150ml	Standard Taper Joint Top: 34/35mm	Length:245mm	Standard Taper Joint Top: 19/26mm
	Effective length:230mm	Upper Standard Taper Joint Top: 34/35mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 19/26mm	
250ml	Standard Taper Joint Top: 40/38 mm	Length:280mm	Standard Taper Joint Top: 24/29mm
	Effective length:230mm	Upper Standard Taper Joint Top: 40/38mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 24/29mm	
500ml	Standard Taper Joint Top: 50/42mm	Length:320mm	Standard Taper Joint Top: 24/29mm
	Effective length:260mm	Upper Standard Taper Joint Top: 50/42 mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 24/29mm	
1000ml	Standard Taper Joint Top: 60/45mm	Length:395mm	Standard Taper Joint Top: 29/32mm
	Effective length : 300mm	Upper Standard Taper Joint Top: 60/45mm	

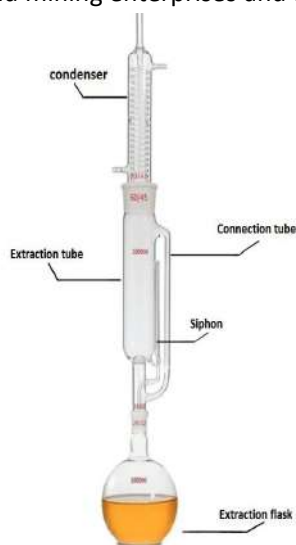
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 29/32mm	
2000ml	Standard Taper Joint Top :70/50mm	Length:445mm	Standard Taper Joint Top: 29/32mm
	Effective length:370mm	Upper Standard Taper Joint Top: 70/50mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 29/32mm	

Art.No.	Description	Online Price
1 set of Equipment		
SE0060B	Soxhlet extractor,Ball-shaped, 60ml,1set/pk	
SE0060S	Soxhlet extractor,Snake-shaped,60ml,1set/pk	
SE0150B	Soxhlet extractor,Ball-shaped,150ml,1 set/pk	
SE0150S	Soxhlet extractor,Snake-shaped,150ml,1set/pk	
SE0250B	Soxhlet extractor,Ball-shaped,250ml,1 set/pk	
SE0250S	Soxhlet extractor,Snake-shaped,250ml,1set/pk	
SE0500B	Soxhlet extractor,Ball-shaped,500ml,1set/pk	
SE0500S	Soxhlet extractor,Snake-shaped,500ml,1set/pk	
SE1000B	Soxhlet extractor,Ball-shaped,1000ml,1set/pk	
SE1000S	Soxhlet extractor,Snake-shaped,1000ml,1set/pk	
SE2000B	Soxhlet extractor,Ball-shaped,2000ml,1set/pk	
SE2000S	Soxhlet extractor,Snake-shaped,2000ml,1set/pk	
Condenser		
SE0060BC	Ball-shaped condenser for use with Soxhlet extractor ,60ml,Effective length of 230mm,34/35 Standard Taper Joint	
SE0060SC	Snake-shaped condenser for use with Soxhlet extractor,60ml, Effective length of 230mm,34/35 Standard Taper Joint	
SE0150BC	Ball-shaped condenser for use with Soxhlet extractor,150ml, Effective length of 230mm,40/38Standard Taper Joint	
SE0150SC	Snake-shaped condenser for use with Soxhlet extractor,150ml, Effective length of 230mm,40/38 Standard Taper Joint	
SE0250BC	Ball-shaped condenser for use with Soxhlet extractor,250ml, Effective length of 230mm,40/38 Standard Taper Joint	
SE0250SC	Snake-shaped condenser for use with Soxhlet extractor,250ml, Effective length of 230mm,40/38 Standard Taper Joint	
SE0500BC	Ball-shaped condenser for use with Soxhlet extractor,500ml, Effective length of 260mm,50/42 Standard Taper Joint	
SE0500SC	Snake-shaped condenser for use with Soxhlet extractor,500ml, Effective length of 260mm,50/42 Standard Taper Joint	
SE1000BC	Ball-shaped condenser for use with Soxhlet extractor,1000ml, Effective length of300mm,60/45 Standard Taper Joint	
SE1000SC	Snake-shaped condenser for use with Soxhlet extractor,1000ml, Effective length of300mm,60/45 Standard Taper Joint	
SE2000BC	Ball-shaped condenser for use with Soxhlet extractor,2000ml, Effective length of370mm,70/50 Standard Taper Joint	
SE2000SC	Snake-shaped condenser for use with Soxhlet extractor,2000ml, Effective length of370mm,70/50 Standard Taper Joint	
Extraction Tube		
SE0060ET	Extraction tube for use with Soxhlet extractor, 60ml,length of230mm,Upper standard Taper Joint34/35, Lower standard Taper Joint19/26,siphon:Φ6mm,length of75mm	
SE0150ET	Extraction tube for use with Soxhlet extractor,150ml,length of230mm,Upper standard Taper Joint34/35,Lower standard Taper Joint19/26,siphon:Φ6mm,length of90mm	
SE0250ET	Extraction tube for use with Soxhlet extractor,250ml,length of280mm,Upper standard Taper Joint40/38,Lower standard Taper Joint24/29,siphon:Φ6mm , length of 100mm	

SE0500ET	Extraction tube for use with Soxhlet extractor,500ml,length of320mm,Upper standard Taper Joint50/42,Lower standard Taper Joint24/29,siphon:Φ6mm,length of130mm	
SE01000ET	Extraction tube for use with Soxhlet extractor,1000ml,length of395mm,Upper standard Taper Joint60/45,Lower standard Taper Joint29/32,siphon:Φ6mm,length of170mm	
SE02000ET	Extraction tube for use with Soxhlet extractor , 2000ml , length of 445mm , Upper standard Taper Joint70/50,Lower standard Taper Joint29/32,siphon:Φ6mm,length of 200mm	
Flask		
SE0060F	Flask for use with Soxhlet extractor,60ml,19/26standard Taper Joint	
SE0150F	Flask for use with Soxhlet extractor,150ml,19/26standard Taper Joint	
SE0250F	Flask for use with Soxhlet extractor,250ml,24/29standard Taper Joint	
SE0500F	Flask for use with Soxhlet extractor,500ml,24/29standard Taper Joint	
SE01000F	Flask for use with Soxhlet extractor,1000m,29/32standard Taper Joint	
SE02000F	Flask for use with Soxhlet extractor,2000ml,29/32standard Taper Joint	

### Soxhlet extractor

For the experiments of extracting compounds from solid substances in the laboratory, a Soxhlet extractor (as shown in Fig) is generally used. Soxhlet extractor is composed of three parts: extraction bottle, extraction tube and condenser, with siphon and connection tube on both sides of the extraction tube. Using the principle of solvent reflux and siphon, the solid material is continuously extracted by pure solvent, which saves the solvent and has high extraction efficiency. Suitable for scientific research, colleges and universities, medicine and health care, and industrial and mining enterprises and other units of the laboratory.



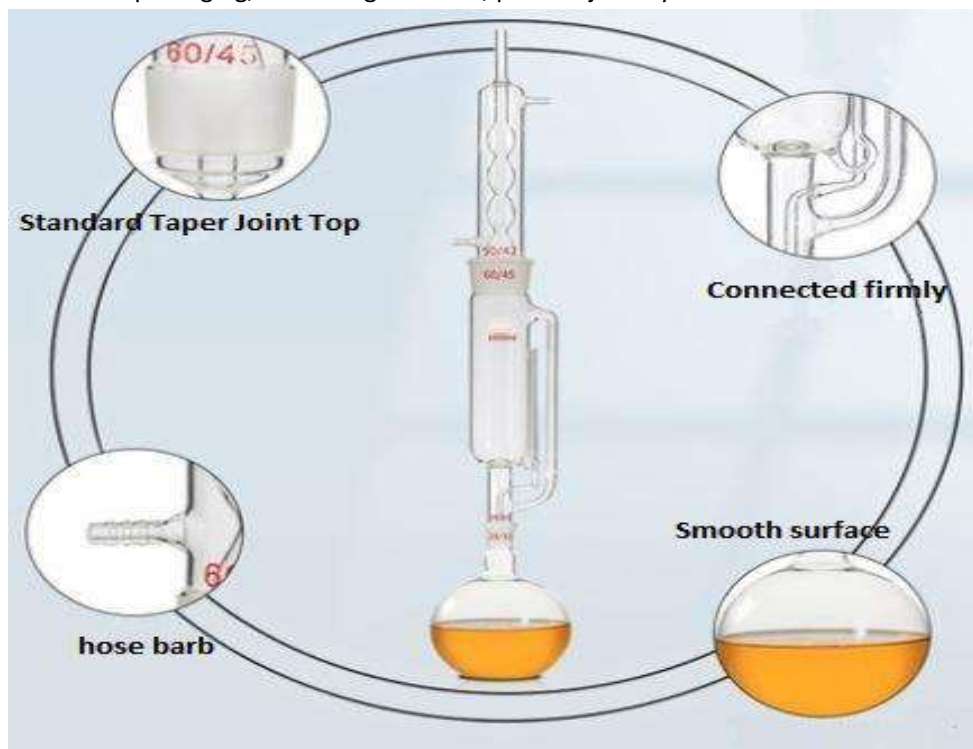
Liquid-solid extraction is to use the solvent for has large solubility of the required components and small solubility of impurities to achieve the purpose of extraction and separation.

We offer the regular size of 60ml-2000ml and accept the customization of 3000ml-5000ml.



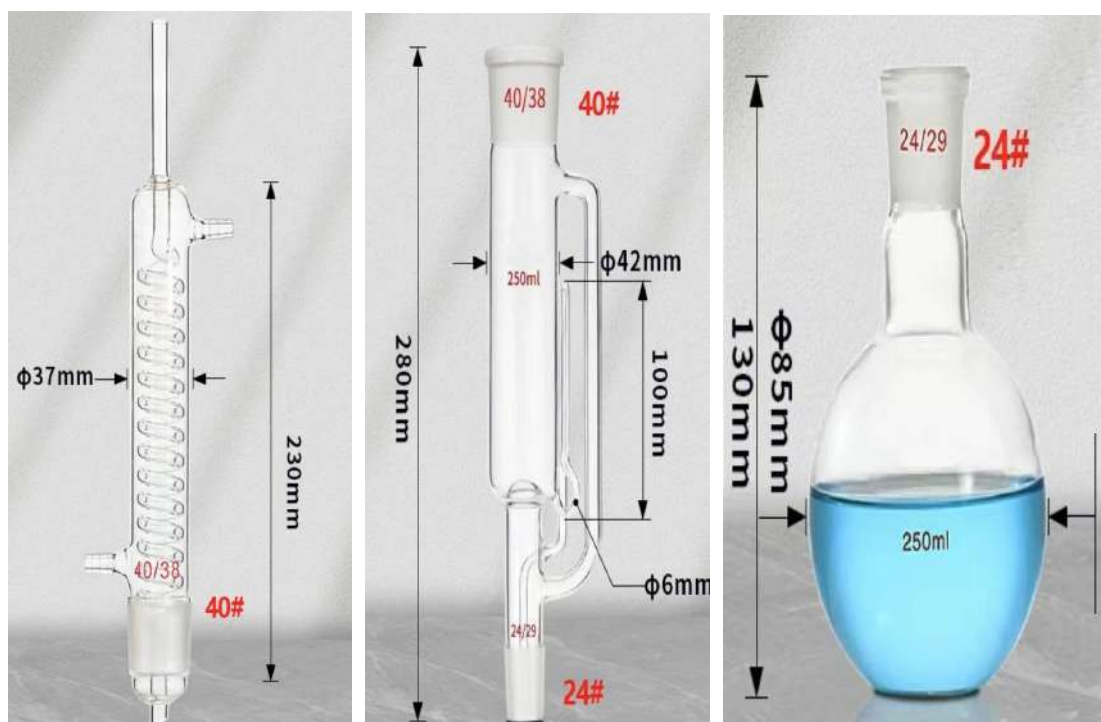
**High-borosilicate glass material** is a special glass material with low expansion rate, high

temperature resistance, high strength, high hardness, high light transmittance and high chemical stability. Because of its excellent performance, it is widely used in solar energy, chemical industry, pharmaceutical packaging, electric light source, process jewelry and other industries.



#### STABLE MATERIAL

High temperature resistance, high strength, high hardness, high light transmittance and high chemical stability, fine workmanship and low error, suitable for fine experimental operations.



Characterization			
volume	condenser	Extraction tube	Extraction flask
60ml	Standard Taper Joint Top: 34/35 mm	Length:230mm	Standard Taper Joint Top: 19/26mm
	Effective length:230mm	Upper Standard Taper Joint Top: 34/35mm	
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150ml	Standard Taper Joint Top: 34/35mm	Length:245mm	Standard Taper Joint Top: 19/26mm
	Effective length:230mm	Upper Standard Taper Joint Top: 34/35mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 19/26mm	
250ml	Standard Taper Joint Top: 40/38 mm	Length:280mm	Standard Taper Joint Top: 24/29mm
	Effective length:230mm	Upper Standard Taper Joint Top: 40/38mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 24/29mm	
500ml	Standard Taper Joint Top: 50/42mm	Length:320mm	Standard Taper Joint Top: 24/29mm
	Effective length:260mm	Upper Standard Taper Joint Top: 50/42 mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 24/29mm	
1000ml	Standard Taper Joint Top: 60/45mm	Length:395mm	Standard Taper Joint Top: 29/32mm
	Effective length: 300mm	Upper Standard Taper Joint Top: 60/45mm	
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 29/32mm	
2000ml	Standard Taper Joint Top :70/50mm	Length:445mm	Standard Taper Joint Top:

	Effective length:370mm	Upper Standard Taper Joint Top: 70/50mm	29/32mm
	Shape: Ball-shaped condenser Snake-shaped condenser	Lower Standard Taper Joint Top: 29/32mm	

Art.No.	Description	Online Price
1set of Equipment		
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SE0150S	Soxhlet extractor,Snake-shaped,150ml,1set/pk	
SE0250B	Soxhlet extractor,Ball-shaped,250ml,1set/pk	
SE0250S	Soxhlet extractor,Snake-shaped,250ml,1set/pk	
SE0500B	Soxhlet extractor,Ball-shaped,500ml,1set/pk	
SE0500S	Soxhlet extractor,Snake-shaped,500ml,1set/pk	
SE1000B	Soxhlet extractor,Ball-shaped,1000ml,1set/pk	
SE1000S	Soxhlet extractor,Snake-shaped,1000ml,1set/pk	
SE2000B	Soxhlet extractor,Ball-shaped,2000ml,1set/pk	
SE2000S	Soxhlet extractor,Snake-shaped,2000ml,1set/pk	
Condenser		
SE0060BC	Ball-shaped condenser for use with Soxhlet extractor ,60ml,Effective length of 230mm,34/35 Standard Taper Joint	
SE0060SC	Snake-shaped condenser for use with Soxhlet extractor,60ml, Effective length of 230mm,34/35 Standard Taper Joint	
SE0150BC	Ball-shaped condenser for use with Soxhlet extractor,150ml, Effective length of 230mm,40/38Standard Taper Joint	
SE0150SC	Snake-shaped condenser for use with Soxhlet extractor,150ml, Effective length of 230mm,40/38 Standard Taper Joint	
SE0250BC	Ball-shaped condenser for use with Soxhlet extractor,250ml, Effective length of 230mm,40/38 Standard Taper Joint	
SE0250SC	Snake-shaped condenser for use with Soxhlet extractor,250ml, Effective length of 230mm,40/38 Standard Taper Joint	
SE0500BC	Ball-shaped condenser for use with Soxhlet extractor,500ml, Effective length of 260mm,50/42 Standard Taper Joint	
SE0500SC	Snake-shaped condenser for use with Soxhlet extractor,500ml, Effective length of 260mm,50/42 Standard Taper Joint	
SE1000BC	Ball-shaped condenser for use with Soxhlet extractor,1000ml, Effective length of 300mm,60/45 Standard Taper Joint	
SE1000SC	Snake-shaped condenser for use with Soxhlet extractor,1000ml, Effective length of 300mm,60/45 Standard Taper Joint	

SE2000BC	Ball-shaped condenser for use with Soxhlet extractor,2000ml, Effective length of370mm,70/50 Standard Taper Joint	
SE2000SC	Snake-shaped condenser for use with Soxhlet extractor,2000ml, Effective length of370mm,70/50 Standard Taper Joint	
Extraction Tube		
SE0060ET	Extraction tube for use with Soxhlet extractor, 60ml,length of230mm,Upper standard Taper Joint34/35, Lower standard Taper Joint19/26,siphon:Φ6mm,length of75mm	
SE0150ET	Extraction tube for use with Soxhlet extractor,150ml,length of230mm,Upper standard Taper Joint34/35,Lower standard Taper Joint19/26,siphon:Φ6mm,length of90mm	
SE0250ET	Extraction tube for use with Soxhlet extractor,250ml,length of280mm,Upper standard Taper Joint40/38,Lower standard Taper Joint24/29,siphon:Φ6mm, length of 100mm	
SE0500ET	Extraction tube for use with Soxhlet extractor,500ml,length of320mm,Upper standard Taper Joint50/42,Lower standard Taper Joint24/29,siphon:Φ6mm,length of130mm	
SE01000ET	Extraction tube for use with Soxhlet extractor,1000ml,length of395mm,Upper standard Taper Joint60/45,Lower standard Taper Joint29/32,siphon:Φ6mm,length of170mm	
SE02000ET	Extraction tube for use with Soxhlet extractor, 2000ml, length of 445mm, Upper standard Taper Joint70/50,Lower standard Taper Joint29/32,siphon:Φ6mm,length of 200mm	
Flask		
SE0060F	Flask for use with Soxhlet extractor,60ml,19/26standard Taper Joint	
SE0150F	Flask for use with Soxhlet extractor,150ml,19/26standard Taper Joint	
SE0250F	Flask for use with Soxhlet extractor,250ml,24/29standard Taper Joint	
SE0500F	Flask for use with Soxhlet extractor,500ml,24/29standard Taper Joint	
SE01000F	Flask for use with Soxhlet extractor,1000m,29/32standard Taper Joint	
SE02000F	Flask for use with Soxhlet extractor,2000ml,29/32standard Taper Joint	

## Extraction Thimbles



Microlab offers a wide selection of high-quality extraction thimbles available in a variety of dimensions to fit most soxhlet extraction units. Our extraction thimbles are manufactured in high purity cellulose fibers or high purity glass binder-free microfiber. They also feature a consistent wall thickness customized manufacturing is available for tubes, sleeves and additional sizes.

### Applications

Soxhlet extraction

Air and waste gas analysis

Collection of solid particles such as dust

Smokestack gas monitoring

Analysis of pesticide residues

Oil/fat content of solid foods

Oil & grease analysis of solid wastes

Elution for biochemical analysis

## Technical Specification

Type of Extraction Thimbles	Max.temperature(C)	Binder	Wall thickness(mm)	Wall thickness(mm) Rate Pore size
Cellulose	120	None	1.3	8um
Glass Microfiber	500	None	2.0	8um

Type of Extraction Thimbles	Max.temperature(°C)	Binder	Wall thickness(mm)	Rate Pore size
Cellulose	120	None	1.3	8um
Glass Microfiber	500	None	2.0	8um

## Order Information

P/N	Material	Size(mm) OD*Height	Wall Thickness(mm)	Package(pcs)
ETC1733	Cellulose	17*33	1.0-1.5	25
ETC1990	Cellulose	19*90	1.5-2.0	25
ETC2260	Cellulose	22*60	1.5-2.0	25
ETC2660	Cellulose	26*60	1.5-2.0	25
ETC2780	Cellulose	27*80	1.5-2.0	25
ETC3060	Cellulose	30*60	1.5-2.0	25
ETC30100	Cellulose	30*100	1.5-2.0	25
ETC3380	Cellulose	33*80	1.5-2.0	25

ETC3480	Cellulose	34*80	1.5-2.0	25
ETC3680	Cellulose	36*80	2.0-2.5	25
ETC36100	Cellulose	36*100	2.0-2.5	25
ETC37130	Cellulose	37*130	2.0-2.5	25
ETC41150	Cellulose	41*150	2.5-3.0	25
ETC58170	Cellulose	58*170	2.5-3.0	25
ETC70240	Cellulose	70*240	2.5-3.0	25
ETG32120	GlassMicrofiber	32*120	2.5-3.0	25
ETG2590	GlassMicrofiber	25*90	2.5-3.0	25
ETG2870	GlassMicrofiber	28*70	2.5-3.0	25

# Thimbles

## Extraction Thimbles

### Introduction

Microlab Scientific offers a wide selection of high quality extraction thimbles available in a variety of dimensions to fit most soxhlet extraction units. Our extraction thimbles are manufactured in high purity cellulose fibers or high purity glass binder free microfiber. They also feature a consistent wall thickness customized manufacturing is available for tubes, sleeves and additional sizes. They also feature a consistent wall thickness customized manufacturing is available for tubes, sleeves and additional sizes.



### Common Thimble Applications

- ▶ Soxhlet extraction.
- ▶ Air and waste gas analysis.
- ▶ Collection of solid particles such as dust.
- ▶ Smoke stack gas monitoring.
- ▶ Analysis of pesticide residues.
- ▶ Oil/fat content of solid foods.
- ▶ Oil & grease analysis of solid wastes.
- ▶ Elution for biochemical analysis.

### Common Thimble Material Application Reference

Cellulose Extraction Thimbles	Glass microfiber Extraction Thimbles
Fat determination of meat and dairy products	Gravimetric methods for hot environments
Determination of PCB in fish products	Gravimetric methods for acidic gasses
Determination of free fats in food products	Extraction methods common to biochemical analysis
Determination of pesticide residues in food products	
Extraction of plasticizers from PVC	
Extraction of dioxins	
Solid particle such as dust collection in air flows	
Evaluation of liquid content in concrete slurry	

### Technical Specifications for Cellulose Extraction Thimbles

Type of Extraction Thimbles	Max temperature (°C)	Binder	Wall thickness (mm)
Cellulose	120	None	1-3
Glass Microfiber	500	None	2.0

## Order Information

### Cellulose

Product Catalog #	Size (mm) OD*Length	Wall Thickness (mm)	Packing (pcs)
ETC1733	17*33	1.0-1.5	25
ETC1990	19*90	1.5-2.0	25
ETC2260	22*60	1.5-2.0	25
ETC2660	26*60	1.5-2.0	25
ETC2780	27*80	1.5-2.0	25
ETC3060	30*60	1.5-2.0	25
ETC30100	30*100	1.5-2.0	25
ETC3380	33*80	1.5-2.0	25
ETC3480	34*80	1.5-2.0	25
ETC3680	36*80	2.0-2.5	25
ETC36100	36*100	2.0-2.5	25
ETC37130	37*130	2.0-2.5	25
ETC41150	41*150	2.5-3.0	25
ETC58170	58*170	2.5-3.0	25
ETC70240	70*240	2.5-3.0	25

### Glass Microfiber

Product Catalog #	Size (mm) OD*Length	Wall Thickness (mm)	Packing (pcs)
ETG32120	32*120	2	20
ETG2590	25*90	2	25
ETG2870	28*70	2	30

## Product packaging



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