

Filtration Solutions For New Energy Industry





Cobetter China
Hangzhou Headquarters
 R&D, Lab, Manufacturing,
 Marketing, Sales

Beijing Office
 Sales

Japan office
 Sales, Manufacturing

Korea office
 Sales

Shanghai office
 Sales

Taiwan office
 Lab, Sales

Singapore Office
 Sales

Cobetter has the capabilities of filter membrane R&D, filter element manufacturing, filtration equipment manufacturing, filter testing and validation.

We adopt the integrated model of independent R&D, production and sales. We commit to quickly responding to our customers' needs by our high-quality and diversified products and technologies.

C1 Factory
 Membrane Filter Manufacturing
 9,400 SQM

C2 Factory
 Depth Filter Manufacturing
 9,000 SQM

C3 Factory
 Semiconductor Products Manufacturing
 13,600 SQM, 2019

C4 Factory
 Sustainless Filter Manufacturing
 & Fluoroplastics Resurtech Manufacturing
 & Housing Manufacturing
 28,000 SQM

C5 Lab
 AVL Center
 & Single Use Bag Manufacturing
 41,000 SQM

C6 Life Center
 33,000 SQM

C7 Factory
 Bio-materials Research Center
 1,300 SQM





AVL Center

Application and Validation Laboratory Center

Accredited by China National Accreditation Service for Conformity (CNAS)

Established with an initial 10million USD investment



ISO 17025

Our Mission

Through excellent products and continuous innovation solutions
 -- Solve process problems and improve quality for customers

Quality Control



Quality Director

Hara Shinji

He has 20 years in the filtration industry in Japan, leading the technology development and quality of products

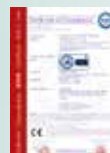
Product Validation



Validation Center Experiment Director

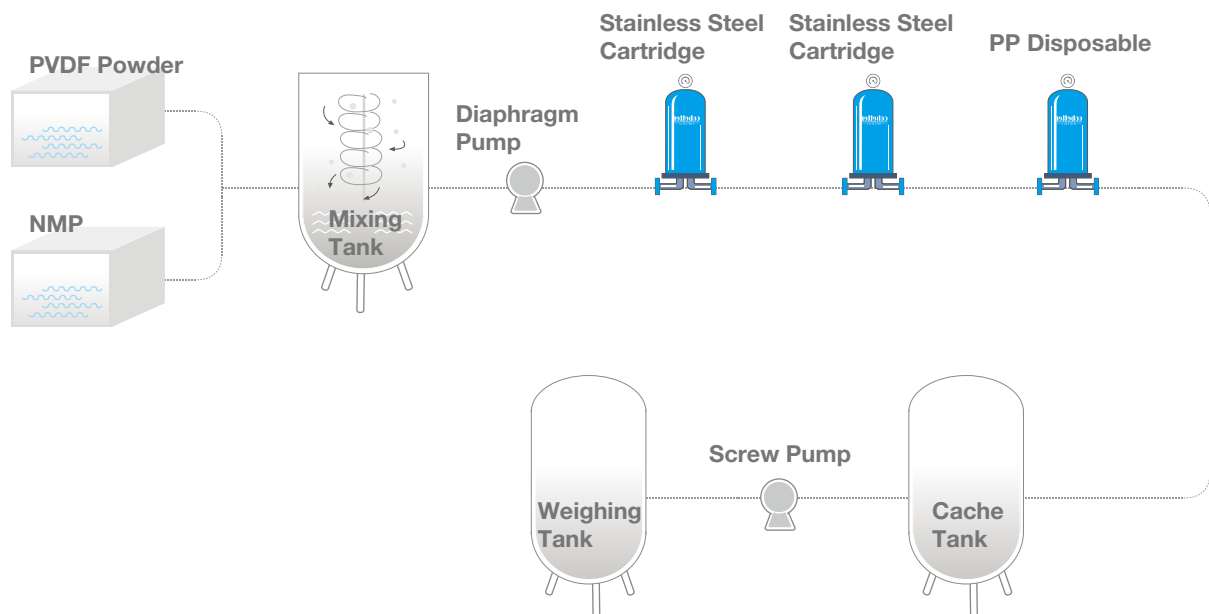
Taketomi Hidetoshi

He served as experiment director over 20 years in Japan.

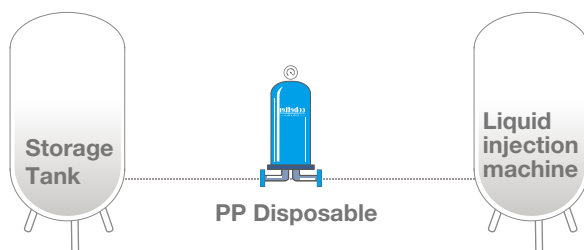


Filtration solutions for LIB manufacturing

Binder Filtration Solutions

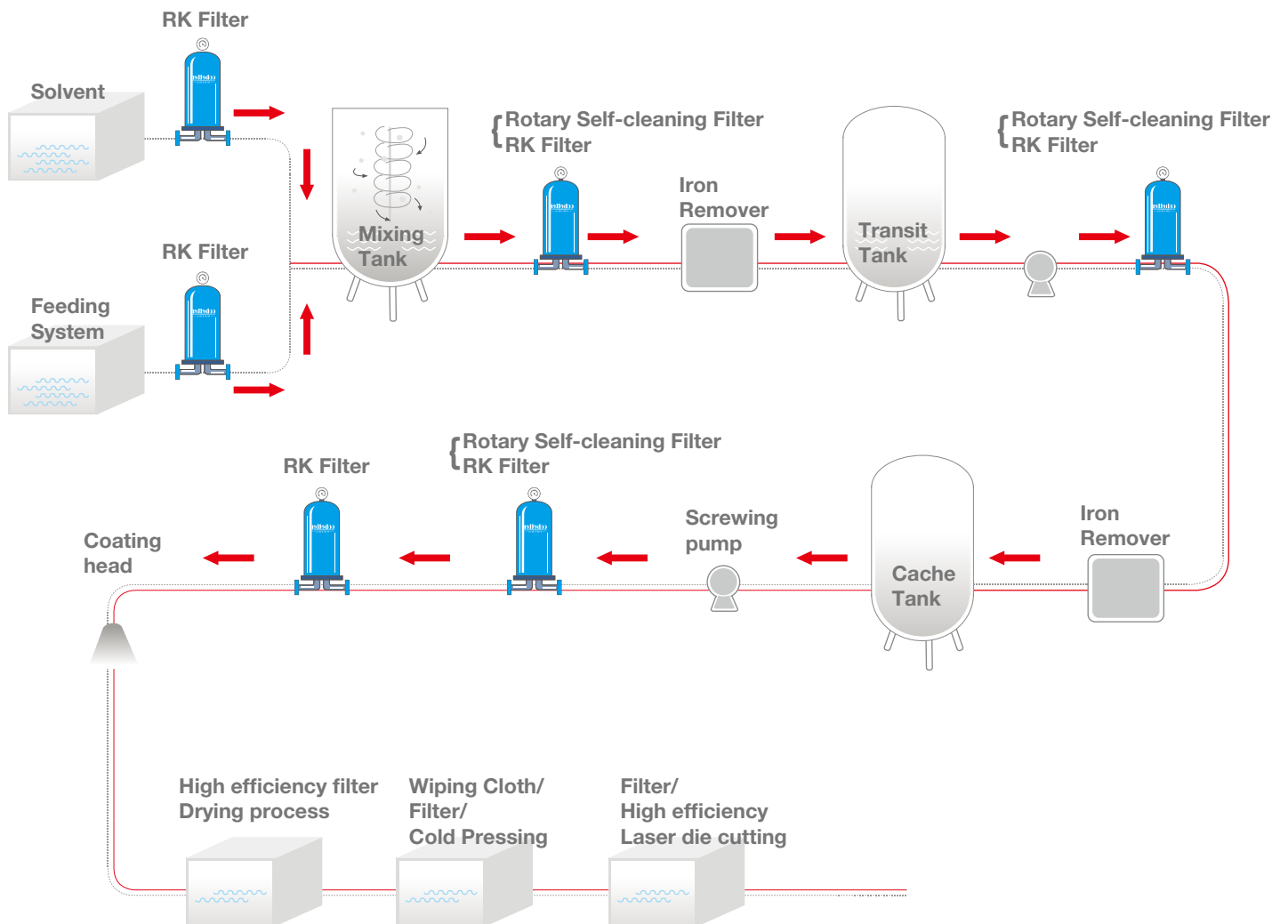


Electrolyte Filtration Solutions





Filtration solutions for the pre-processes of LIB manufacturing

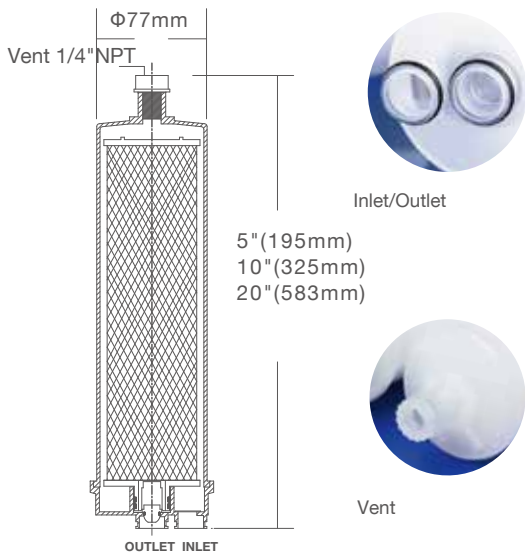




Disposable

RK12 Series KK12 Series

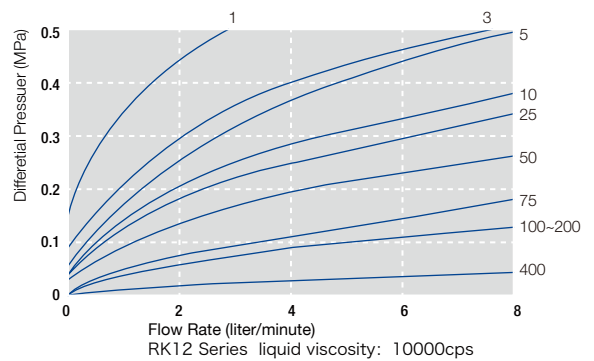
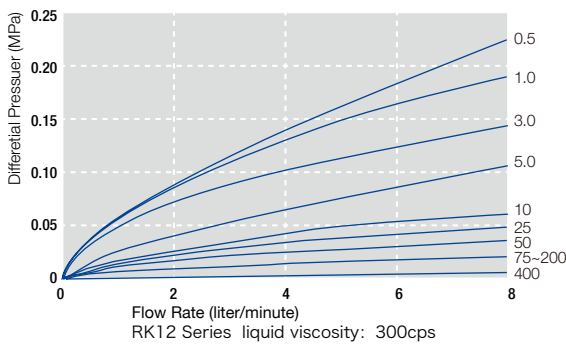
The unique structure design of RK12 series makes it unnecessary to clean the filter after filter replacement, reducing the cost of filter processing and cleaning processing. It is suitable for toxic and harmful slurry filtration by avoiding direct contact with slurry. The capsule structure reduces the gap between the filter shell and the filter roll, reducing liquid residue. The filter roll can be selected on request. Lengths are available in 5"/10"/20". New patented drainable design helps to achieve the recycling of expensive slurry inside the capsule. Suitable for Cobetter RK12 filter housing.



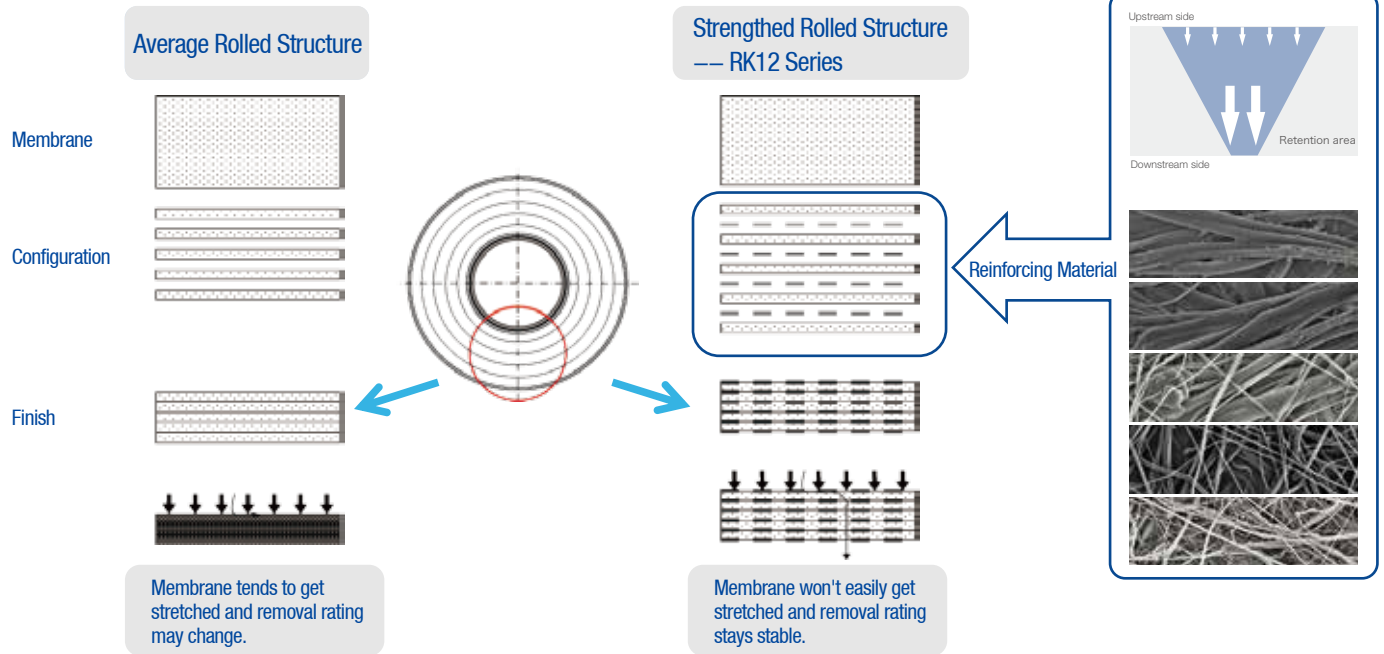
Specification

Outer Diameter(mm)	77
Inner Diameter(mm)	76.4
Total length(mm)	195 / 325 / 583
Membrane	PP
End cap	PP
Core	PP
Cage	PP
The Max Operation Temperature	80°C
The Max Operation Pressure Differential(20°C)	0.3Mpa (3.0bar)
The Max. Operating Pressure	0.7Mpa (7.0bar)

Flow Characteristics



Internal Structure



Installment



Ordering Information RK12 1 2 3 4

Block 1

Code	Vent
-	With Vent

Block 2

Code	Length
05	5 inch
10	10 inch
20	20 inch

Block 3

HC	Code	Micron Rating
	1500	15 μm
	2000	20 μm
	3000	30 μm
	3500	35 μm
	4000	40 μm
	5000	50 μm
	6000	60 μm
	7000	70 μm
	7500	75 μm

Code	Micron Rating
8000	80 μm
9000	90 μm
100H	100 μm
125H	125 μm
150H	150 μm
200H	200 μm
250H	250 μm
300H	300 μm
D	Customized

Block 4

Code	O-ring
E	EPDM



RK12/KK12 Housing

RK12/KK12 filter housing is specifically designed for Cobetter RK12/KK12 filter Series.

The housing design eliminates dead angles and is easy to clean. It allows for a stable flow. The colloidal particles will be removed effectively.

The design of the housing base eliminates the possibility of leakage while the top of the housing can be equipped with a splash-proof top cover to provide additional safety.

Features and Benefits

RK12 filter housing is used for slurry filtration in coating line when it is running below 25 meters/min. It is easy to install and clean which makes it ideally suited to replace traditional stainless steel mesh filters and stainless steel housing.

Materials of Construction

Shell/Body	304 / 316L
Clamp/Leg	304
O-ring/Gasket	EPDM
Length	5"/10"/20"

Operating Conditions

The Max. Operating Pressure	0.6Mpa (6.0bar)
The Max Operation Temperature	135°C
Design Temperature	140°C

Ordering Information H-SCF 1 2 3

Block 1

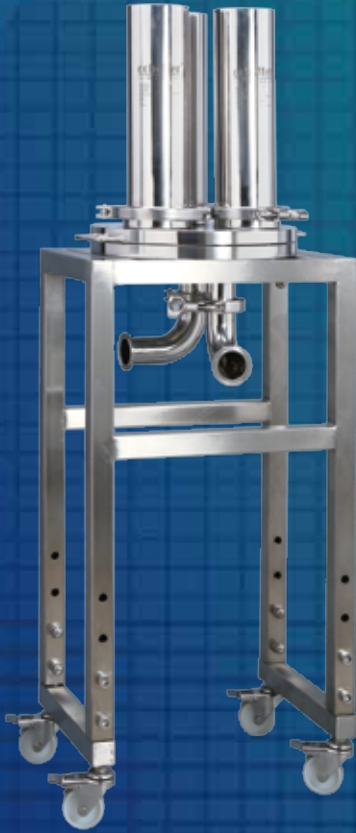
Code	Material
A	SUS304
B	SUS316L

Block 2

Code	Filter Type
01	RK12-05
02	RK12
04	RK12-20

Block 3

Code	O-ring
E	EPDM
P	TEV



RK12-N Housing

RK12-N filter housing is designed for high-speed production lines. They can be fitted with plugs, and the number of filter elements can be selected at will. At the same time, various lengths of filter elements can be selected, including 10 inches, 20 inches, etc. It is suitable for the conditions of most high-speed production lines.

Features and Benefits

The structural design eliminates dead angles and is easy to clean. The disk can be disassembled. It is suitable for the conditions of most high-speed production lines.

Materials of Construction

Shell/Body	304 / 316L
Drain	304 / 316L
Clamp/Leg	304
O-ring/Gasket	EPDM, TEV

Operating Conditions

The Max. Operating Pressure	0.6Mpa (6.0bar)
The Max Operation Temperature	135°C
Design Temperature	140°C

Ordering Information

H-LCF 1 2 3 4

Block 1

Code	Material
A	SUS304
B	SUS316L

Block 2

Code	Filter Type
02	RK12
04	RK12-20

Block 3

Code	Number of Filters
T	3-round
S	6-round

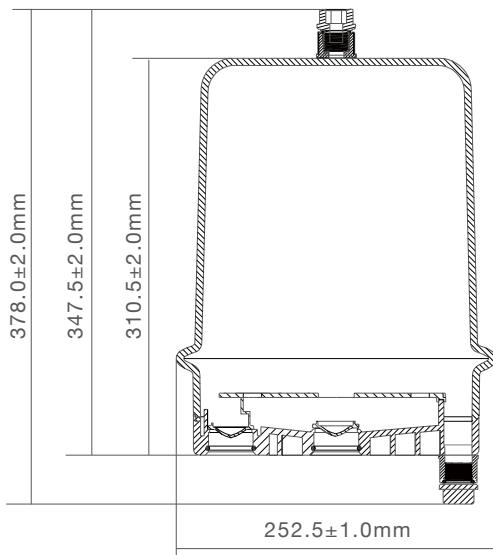
Block 4

Code	O-ring
E	EPDM
P	TEV



High-Flow Disposable RK127-P

RK127-P is a kind of disposable with super high flow rate design, suitable for high speed production line. The large-capacity design greatly extends the service life of a single cartridge and reduces the frequency of replacement. It is designed for high-speed production line and will meet high-speed requirements. Liquid can be discharged at the bottom for recycling purposes.



Specification

Membrane	PP
Support	PP
Core/Cage/End cap	PP
The Max Operation Temperature	80°C
The Max. Operating Pressure	0.9Mpa (9.0bar)
The Max Operation Pressure Differential(20°C)	0.5Mpa (5.0bar)

Ordering Information

RK127-P 1 2 3

Block 1

Code	Membrane
HC	HC

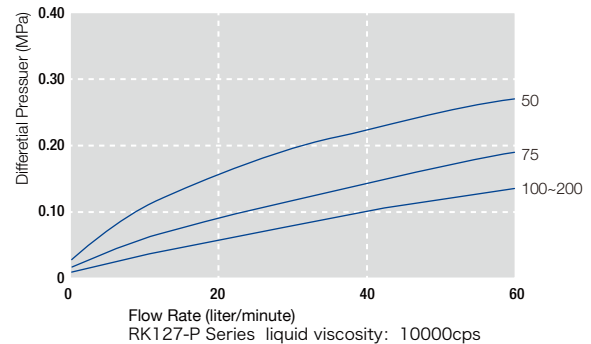
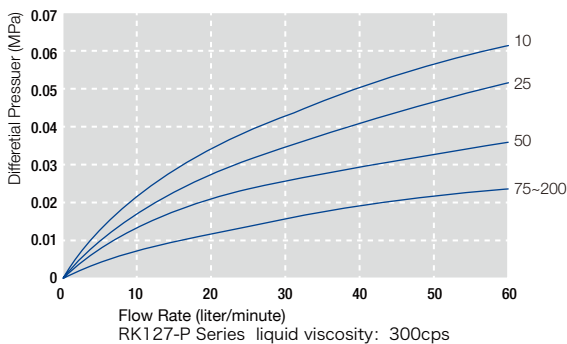
Block 3

Code	O-ring
E	EPDM

Block 2

Code	Micron Rating	Code	Micron Rating
1500	15 μm	8000	80 μm
2000	20 μm	9000	90 μm
3000	30 μm	100H	100 μm
3500	35 μm	125H	125 μm
4000	40 μm	150H	150 μm
5000	50 μm	200H	200 μm
6000	60 μm	250H	250 μm
7000	70 μm	300H	300 μm
7500	75 μm	D	Customized

Flow Characteristics





RK127 Filter Housing

RK127

RK127 filter housing is designed for RK127 filter cartridge, suitable for high speed production lines.

It is easy to change out thus saves the down time and improves efficiency.

Features and Benefits

Super high flow rate design is suitable for high speed production line. Liquid can be discharged at the bottom for recycling purposes.

Materials of Construction

Filter Housing	304 / 316L
Drain	304 / 316L
Clamp/Legs	304

Operating Conditions

The Max. Operating Pressure	0.6Mpa (6.0bar)
The Max Operation Temperature	135°C
Design Temperature	140°C

Ordering Information H-SCF-127 1 2 3

Block 1

Code	Material
A	SUS304
B	SUS316L

Block 2

Code	Connection
T25	Quick-loading DN25
T38	Quick-loading DN38
D	Customized

Block 3

Code	O-ring
E	EPDM
P	TEV

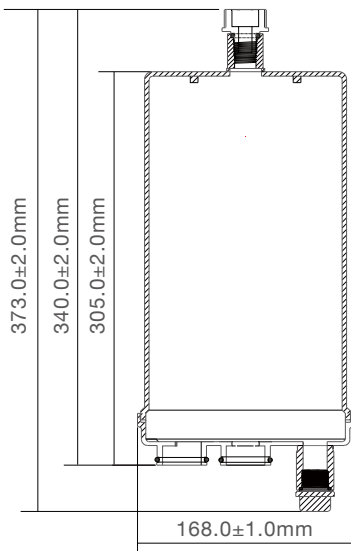


Upgraded Slurry Filtration Solutions

RK130-P

High Flow Disposable

RK130-P has larger filtration areas compared with the RK12 filter cartridge and delivers a longer service life. It is suitable for high flow production lines. Cartridge change-out frequencies can be reduced. Less slurry will come to waste. Slurry can be discharged at the bottom for recycling purposes. Patented rolled and pleated design increases flow rate and service life while guaranteeing efficiency.



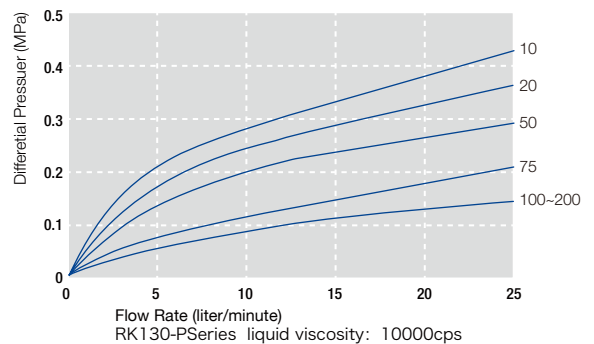
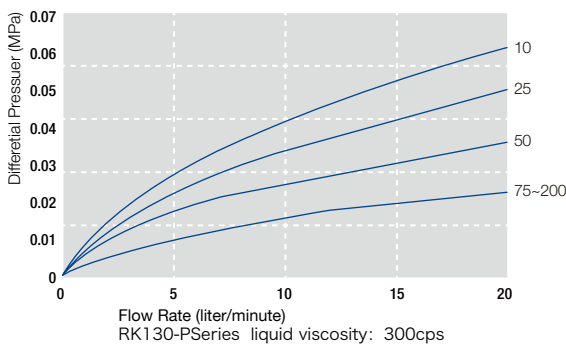
Specification

Membrane	PP
Support	PP
Core/Cage/End cap	PP
The Max Operation Temperature	80°C
The Max. Operating Pressure	0.9Mpa (9.0bar)
The Max Operation Pressure Differential(20°C)	0.5Mpa (5.0bar)

Ordering Information

Block 1		Block 2		Block 3	
Code	Membrane	Code	Micron Rating	Code	Micron Rating
PRF-HC	PRF-HC	3000	30 μm	100H	100 μm
HC	HC	5000	50 μm	125H	125 μm
		7500	75 μm	150H	150 μm
		9000	90 μm	D	Customized
Code	O-ring				
E	EPDM				

Flow Characteristics





RK130

Filter Housing

RK130 filter housing is designed for RK130 filter cartridge. It has the benefits of the RK12 series: easy and safe change-out. It also has longer service life and allows for shorter down time for the production line.

Features and Benefits

Safe and easy change-out. It is suitable for a production line that is running below 50 meter/min. It is the upgraded solution for RK12 filter housing

Materials of Construction

Shell/Body	304 / 316L
Drain	304 / 316L
Clamp/Leg	304

Operating Conditions

The Max. Operating Pressure	0.6Mpa (6.0bar)
The Max Operation Temperature	135°C
Design Temperature	140°C

Ordering Information

H-SCF-130 **1** **2** **3**

Block 1

Code	Material
A	SUS304
B	SUS316L

Block 2

Code	Connection
T25	Quick-loading DN25
T38	Quick-loading DN38
D	Customized

Block 3

Code	O-ring
E	EPDM
P	TEV



Rolled Filter

HC Series

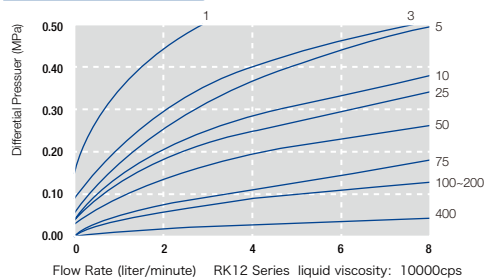
The HC series is applied for slurry filtration. It ensures the filtering effect, while reducing the waste of slurry when the filter element is replaced. A variety of gradient polypropylene materials ensures high efficiency and long service life.

- Nano fiber filter material
- Suitable for high viscosity fluids
- Long service life
- A variety of removal rating can be selected

Specification

Membrane	PP
Support	PP
End cap/ Core/ Cage	PP
The Max Operation Temperature	80°C
The Max Operation Pressure Differential(20°C)	0.3Mpa (3.0bar)

Flow Characteristics



Filtration Efficiency

Cartridge Designatio	Size	Particle Retention Efficiency(%)						
		20µm	30µm	35µm	50µm	75µm	100µm	150µm
HC20		≥98.00	≥99.00	≥99.90	≥99.99	≥99.99	≥99.99	≥99.99
HC30			≥98.00	≥99.00	≥99.90	≥99.99	≥99.99	≥99.99
HC35				≥98.00	≥99.00	≥99.90	≥99.99	≥99.99
HC50					≥98.00	≥99.00	≥99.90	≥99.99
HC75						≥98.00	≥99.00	≥99.90
HC100							≥98.00	≥99.00
HC150								≥98.00

Testing Conditions

Instrument : Liquid Particle Counter

Filtration Method : Positive Pressure

Filtration Flow Rate : 10 L/min

Fluid : RO Water

Standard Particles : ISO 12103-1 Coarse Test Dust

Concentration : 5 mg/L

Ordering Information

HC 1 2 3 4

Block 1

Code	Vent
	- With Vent

Block 2

Code	Length
05	5 inch
10	10 inch
20	20 inch

Block 3

Code	Micron Rating
1500	15 µm
2000	20 µm
3000	30 µm
3500	35 µm
4000	40 µm
5000	50 µm
6000	60 µm
7000	70 µm
7500	75 µm

Code	Micron Rating
8000	80 µm
9000	90 µm
100H	100 µm
125H	125 µm
150H	150 µm
200H	200 µm
250H	250 µm
300H	300 µm
D	Customized

Block 4

Code	O-ring
E	EPDM



Filter for High Viscosity & High Solid Content

SHP Series

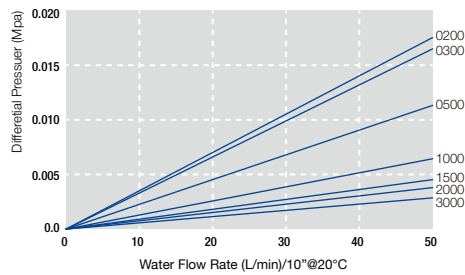
SHP series adopts multilayer Nano PP membrane, which can efficiently remove particles in colloid. It is suitable for high viscosity, high solid content liquid filtration.

- Nano fiber filter material
- Suitable for high viscosity fluids
- An absolute filtration efficiency of more than 99.9% ensures quality
- Rinsing treatment of finished product

Specification

Membrane	PP
Support	PP
End cap/ Core/ Cage	PP
The Max Operation Temperature	80°C
The Max Operation Pressure Differential(20°C)	0.3Mpa (3.0bar)

Flow Characteristics



Filtration Efficiency

Cartridge Designatio Size	Particle Retention Efficiency(%)								
	2.0µm	3.0µm	5.0µm	8.0µm	10.0µm	15.0µm	20.0µm	30.0µm	40.0µm
0200	≥99.00	≥99.50	≥99.80	≥99.90	≥99.95	≥99.99	≥99.99	≥99.99	≥99.99
0300		≥99.00	≥99.50	≥99.80	≥99.90	≥99.95	≥99.99	≥99.99	≥99.99
0500			≥99.00	≥99.50	≥99.80	≥99.90	≥99.95	≥99.99	≥99.99
1000					≥99.00	≥99.50	≥99.80	≥99.90	≥99.95
1500						≥99.00	≥99.50	≥99.80	≥99.90
2000							≥99.00	≥99.50	≥99.80
3000								≥99.00	≥99.50

Testing Conditions

Instrument : Liquid Particle Counter

Filtration Method : Single Pass

Filtration Flow Rate : 10 L/min

Fluid : RO Water

Standard Particles : A4 Coarse Test Dust

Concentration : 5 mg/L

Ordering Information SHP 1 2 3 4

Block 1

Code	Micron Rating	Code	Micron Rating
0100	1.0 µm	5000	50 µm
0300	3.0 µm	100H	100 µm
0500	5.0 µm	200H	200 µm
1000	10 µm	300H	300 µm
2000	20 µm		

Block 2

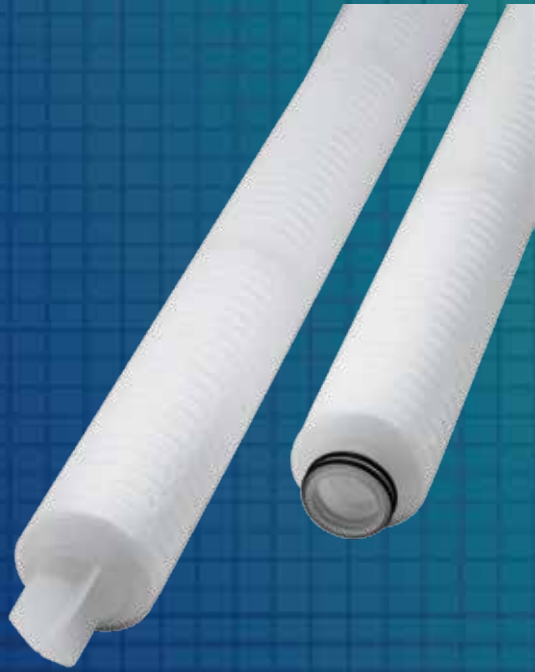
Code	Connection
DOE	Flattening
TC	222/Flat
TF	222/Sharp
SC	226/Flat
SF	226/Sharp

Block 3

Code	Length
05	5 inch
10	10 inch
20	20 inch
D	Customized

Block 4

Code	O-ring
E	EPDM
P	TEV



Electronics Grade Low Extractable Filter

EPP Series

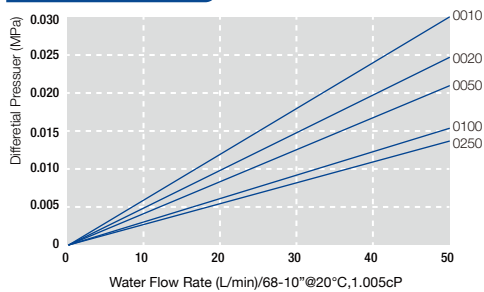
EPP series uses electronics grade materials to effectively control extractable metal ion. The pure polypropylene structure has good chemical compatibility. It is suitable for most acids, alkalis, process water and organic solvents.

- Low extractable
- High chemical compatibility
- High flow rate and long service life
- A variety of removal rating can be selected

Specification

Membrane	PP
Diversion Layer	PP
Core/Cage/End cap	PP
The Max Operation Temperature	80°C
The Max Operation Pressure Differential(20°C)	0.3Mpa (3.0bar)

Flow Characteristics



Filtration Efficiency

Cartridge Designatio	Size	Particle Retention Efficiency(%)					
		1.0µm	2.5µm	5.0µm	10µm	15µm	25µm
0020		≥99.90	≥99.99	≥99.99	≥99.99	≥99.99	≥99.99
0050		≥99.00	≥99.92	≥99.99	≥99.99	≥99.99	≥99.99
0100		≥92.00	≥99.00	≥99.90	≥99.99	≥99.99	≥99.99
0250			≥92.00	≥99.00	≥99.90	≥99.99	≥99.99
0500				≥92.00	≥99.00	≥99.90	≥99.99
1000					≥92.00	≥99.00	≥99.90
1500						≥92.00	≥99.00
2500							≥92.00

Testing Conditions

Instrument : Liquid Particle Counter

Filtration Method : Single Pass

Filtration Flow Rate : 10 L/min

Fluid : RO Water

Standard Particles : ISO 12103-1 A4 Coarse Test Dust

Concentration : 5 mg/L

Ordering Information EPP 1 2 3 4

Block 1

Code	Micron Rating	Code	Micron Rating
0020	0.2 µm	0500	5.0 µm
0045	0.45 µm	1000	10 µm
0100	1.0 µm	2000	20 µm
0300	3.0 µm		

Block 2

Code	Connection
DOE	Flattening
TC	222/Flat
TF	222/Sharp
SC	226/Flat
SF	226/Sharp

Block 3

Code	Length
05	5 inch
10	10 inch
20	20 inch
D	Customized

Block 4

Code	O-ring
E	EPDM
P	TEV

High Efficiency Filter for Chemicals

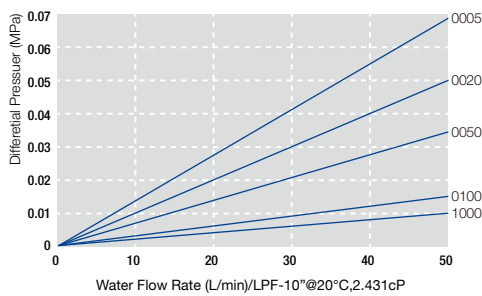
LPF Series



LPF series adopts PTFE membrane, which has excellent chemical compatibility, and is suitable for most chemicals and organic solvents in the electronics industry. The LHPF series adopts hydrophilic PTFE membrane, which can be used in polar liquid without pre-wetting treatment, reducing operation time.

- Low extractable, high efficiency
- Excellent chemical compatibility
- Hydrophilic membrane can be selected
- A variety of removal rating can be selected
- 100% integrity test before leaving factory

Flow Characteristics



Specification

Membrane	Hydrophobic
Diversion Layer	PP
Core/Cage/End cap	PP
The Max Operation Temperature	80°C
The Max Operation Pressure Differential(20°C)	0.3Mpa (3.0bar)

Ordering Information

LPF 1 2 3 4

Block 1

Code	Micron Rating	Code	Micron Rating
0002	0.02 μm	0045	0.45 μm
0003	0.03 μm	0100	1.0 μm
0005	0.05 μm	0300	3.0 μm
0010	0.1 μm	0500	5.0 μm
0020	0.2 μm	1000	10 μm

Block 2

Code	Connection
DOE	Flattening
TC	222/Flat
TF	222/Sharp
SC	226/Flat
SF	226/Sharp

Block 3

Code	Length
05	5 inch
10	10 inch
20	20 inch
D	Customized

Block 4

Code	O-ring
E	EPDM
P	TEV

Photo Display of Different Connections

DOE Flattening



TC 222/Flat



TF 222/Sharp

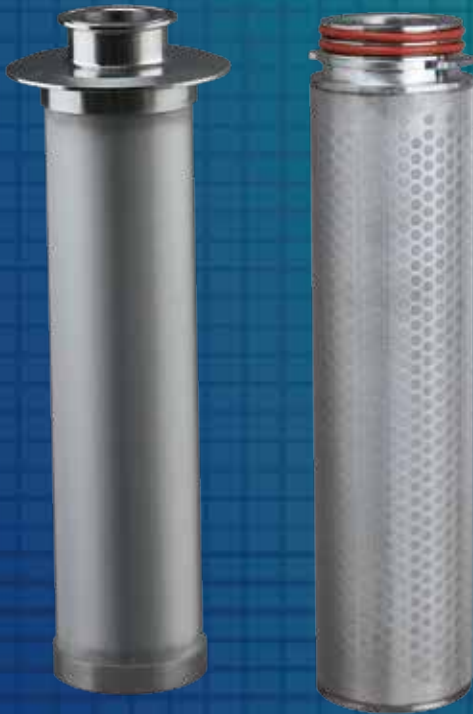


SC 226/Flat



SF 226/Sharp





Slurry Pre-filtration Solutions

SSPC

Stainless Steel Mesh Filter

Suitable for high viscosity slurry pre filtration, easy to clean
Can be customized based on customers' needs

Specification

Membrane	304 / 316L
Core/Cage/End cap	304 / 316L
The Max Operation Temperature	480°C
The Max Operation Pressure	0.5Mpa (5.0bar)

Cleaning Methods

Dirt Type	Cleaning Methods
Metal,rigid particles	Ultrasonic cleaning, high frequency vibration, so that particles fall off High pressure water gun, chemical cleaning
Floccule(hair, lines etc) Colloids, Polymers	High temperature cracking, pyrolysis, hydrolysis Soak in solvent to dissolve colloid (choose solvent according to actual material), High temperature cracking, pyrolysis, hydrolysis

Flow Characteristics SSPC 1 2 3 4

Block 1

Code	Micron Rating
2000	20 μm
3500	35 μm
6000	60 μm
100H	100 μm
150H	150 μm
200H	200 μm
D	Customized

Block 2

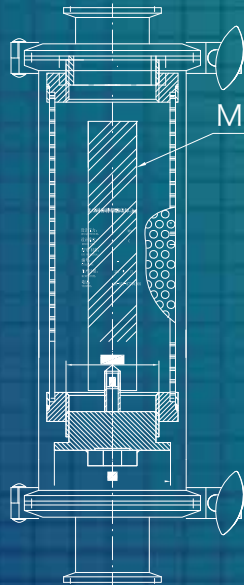
Code	Connection
L	Screw
TC	222/flat
SC	226/flat
F	Flange
D	Customized

Block 3

Code	Length
10	10 inch
20	20 inch
D	Customized

Block 4

Code	O-ring
E	EPDM
P	TEV



H-SPF

Pipeline Filter Housing

H-SPF is an economical filter for online testing in the field of lithium ion batteries or for pipe connections.

Specification

Housing	304 / 316L
Clamp/Leg	304
O-ring	EPDM,TEV

Operating Conditions

The Max Operation Pressure	0.6Mpa (6.0bar)
The Max Operation Temperature	90°C
Design Temperature	140°C

Flow Characteristics H-SPF 1 2 3 4 5 6

Block 1

Code	Cartridge Number
01	1

Block 2

Code	Connection
S	226
T	222
D	Flattening

Block 3

Code	Housing Connection
T	Quick-loading

Block 4

Code	Connection
T25	Quick-loading DN25
T38	Quick-loading DN38
T50	Quick-loading DN50
D	Customized

Block 5

Code	Length
05	5 inch
10	10 inch
20	20 inch

Block 6

Code	O-ring
E	EPDM
P	TEV



ROMF

Rotary Self-cleaning Filter

Wedge-shaped mesh filter structure can efficiently remove rigid particles in high-viscosity slurry.

The internal PTFE scraper is driven by a motor to automatically clean and filter.

The rigid particles attached to the inside of the wedge-shaped mesh after filtration can be automatically cleaned. No frequent disassembly and cleaning are required. Slurry can be discharged through the bottom discharge port.

The design eliminates direct contact between human body and the slurry. It is suitable for high-viscosity toxic and hazardous liquid filtration.

Features and Benefits

- Wedge-shaped mesh filter is not easily damaged. No need for regular change-out.
- Mesh size can be customized.
- Machine seal design ensures tightness.
- The unique design of motor reducer coupling ensures the concentricity of the reducer shaft.
- The special structure of the tetrafluoron scraper hinge can realize positive and negative operation Integrated design of electric cabinet

Operating Conditions

Shell/body	304 / 316L
Drain	304 / 316L
Clamp/Leg	304
O-ring	EPDM,TEV

Specification

The Max Operation Temperature	1.2Mpa (12bar)
The Max Operation Pressure	90°C
Design Temperature	140°C

Flow Characteristics

ROMF 1 2 3 4 5

Block 1

Code	
T	Coating
J	Mixing

Block 2

Code	Drive Mode
D	Electric Motor

Block 3

Code	Micron Rating
100H	100 μm
150H	150 μm
200H	200 μm
D	Customized

Block 4

Code	Connection
T50	Quick-loading DN50
T65	Quick-loading DN65
D	Customized

Block 5

Code	O-ring
P	TEV



SSQC

Wedge Mesh Filter

The wedge structure is suitable for high viscosity slurry rigid particle filtration. The filter is of high strength and can not be easily damaged during regular cleaning. It can be recycled and will effectively reduce the cost of use. It is suitable for high temperature and high pressure environment. Can be customized according to the requirements of working conditions

Features and Benefits

- Filter of high strength
- Can be used multiple times
- Strong durability

Operating Conditions

Membrane	304 / 316L
Connection	304 / 316L

Specification

Membrane	304 / 316L
The Max Operation Pressure	480°C
The Max Operation Temperature	0.5Mpa (5.0bar)

Flow Characteristics

SSQC 1 2 3 4

Block 1

Code	Micron Rating
2000	20 μm
3500	35 μm
6000	60 μm
100H	100 μm
150H	150 μm
200H	200 μm
D	Customized

Block 2

Code	Connection
L	Screw
TC	222/flat
SC	226/flat
F	Flange
D	Customized

Block 3

Code	Length
10	10 inch
20	20 inch
D	Customized

Block 4

Code	O-ring
E	EPDM
P	TEV

H-GCF

Slurry Filter Housing



H-CCF

Cast Filter Housing



H-GCF housing, matched with filter cartridge, is used for particle removal in slurry. It can be applied in the pre-filtration of LIB slurry. When matched with our stainless steel filter cartridge, it can be cleaned and used repeatedly. When matched with our PP filter cartridge, it can deliver a higher standard of slurry purification.

H-CCF housing adopts a one-piece casting structure. Inlet and outlet are both on the top. An adapter can be directly connected to the pipeline, which makes it easy to install. It is designed with a compact structure. The top can easily be fixed on the pipeline. When the filter cartridge needs to be changed, only the cylinder needs to be opened. There will be no slurry seeping during the whole process.

Material

Housing	304 / 316L
Drain	304 / 316L
Clamp/Leg	304
O-ring	TEV, EPDM
The Max. Operating Pressure	1.0Mpa (10bar)
The Max Operation Temperature	90°C
Design Temperature	140°C

Material

Housing	304 / 316L
Drain	304 / 316L
Clamp/Leg	304
O-ring	TEV, EPDM
The Max. Operating Pressure	0.6Mpa (6.0bar)
The Max Operation Temperature	90°C
Design Temperature	140°C

Ordering Information

H-GCF **1** **2** **3** **4** **5** **6**

Block 1

Code	Cartridge Number
01	1

Block 2

Code	Connection
S	226
T	222
L	Screw mouth

Block 3

Code	Housing Connection
T	Quick-loading

Block 4

Code	Inlet/Outlet Connection
T25	Quick-loading DN25
T38	Quick-loading DN38
T50	Quick-loading DN50
D	Customized

Block 5

Code	Length
05	5 inch
10	10 inch
20	20 inch

Block 6

Code	O-ring
E	EPDM
P	FKM

H-CCF **1** **2** **3** **4** **5** **6** **7** **8** **9**

Block 1

Code	Cartridge Number
01	1

Block 2

Code	Length
10	10 inch
20	20 inch

Block 3

Code	Material
F	304
S	316L

Block 4

Code	Connection
S	226
T	222
D	Flattening

Block 5

Code	Housing Connection
T	Quick-loading

Block 6

Code	Inlet/Outlet Connection
G¼	Inner Screw 3/4"
G1	Inner Screw 1"

Block 7

Code	O-ring
E	EPDM
P	FKM

Block 8

Code	Surface Treatment
S	Drawing

Block 9

Code	Design Pressure
X	0.6MPa
Y	1.0MPa



H-SCF

Multi-core Filter Housing

Based on the flow rate, cartridge of different number and sizes can be configured.
Filters of different structures can be selected based on different production conditions.

Material

Housing	304 / 316L
Drain	304 / 316L
Clamp/Leg	304
O-ring	EPDM,TEV

Operation Characteristics

The Max Operation Pressure	1.0Mpa (10bar)
The Max Operation Temperature	90°C
Design Temperature	140°C

Ordering Information

H-SCF 1 2 3 4 5 6 7 8 9

Block 1

Code	Cartridge Number
03	3
05	5
07	7
09	9
D	Customized

Block 2

Code	Length
10	10 inch
20	20 inch
30	30 inch
40	40 inch

Block 3

Code	Material
F	304
S	316L

Block 4

Code	Connection
S	226
T	222
D	Flattening

Block 7

Code	O-ring
E	EPDM
V	FKM
P	FEP

Block 5

Code	Housing Connection
D	Rings
C	Type C-clamp

Block 8

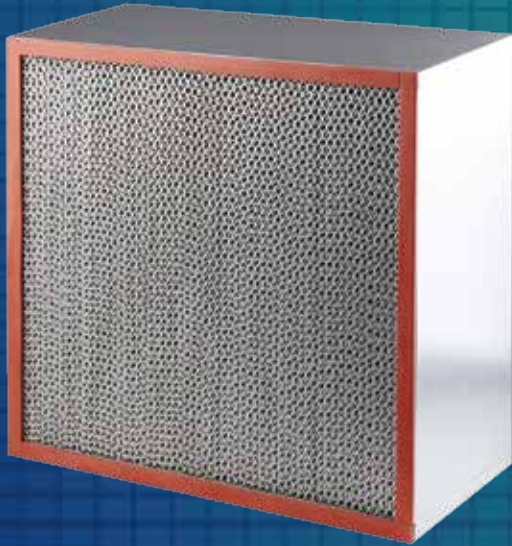
Code	Surface Treatment
A	Mirro Polishing

Block 6

Code	Inlet/Outlet Connection
T38	Quick-loading DN38
T50	Quick-loading DN50
F32	Flange DN32
F40	Flange DN40
D	Customized

Block 9

Code	Design Pressure
X	0.6MPa
Y	1.0MPa



High-temperature & High-efficiency Box Filter

High-temperature & high-efficiency box filter is made of low-resistance ultra-fine glass fiber filter paper, separated by aluminum foil, and the outer frame can be made of aluminum alloy or stainless steel, sealed with high temperature resistant sealant to ensure stable operation in high temperature. It is mainly used in air purification equipment such as ovens in the high-temperature environment of LIB cell production. (Long-term use under high temperature environment of 250°C and 350°C)

Technical Specification

Product size (W*H*D)	Filtration Grade	Rated air volum	Initial resistance	Suggested final resistance
610 x 610 x 150 mm		1000 m³/h		600-1000 m³/h
610 x 457 x 150 mm		750 m³/h		450-750 m³/h
305 x 610 x 150 mm		500 m³/h		300-500 m³/h
915 x 610 x 150 mm		1500 m³/h		900-1500 m³/h
1220 x 610 x 150 mm		2000 m³/h		1200-2000 m³/h
630 x 630 x 220 mm	H11/ H13 / H14	1500 m³/h	≤200 / 235 / 262 Pa	900-1500 m³/h
945 x 630 x 220 mm		2200 m³/h		1300-2200 m³/h
1260 x 630 x 150 mm		2000 m³/h		1200-2000 m³/h
1260 x 630 x 220 mm		3000 m³/h		1800-3000 m³/h
610 x 610 x 292 mm		2000 m³/h		1200-2000 m³/h
305 x 610 x 292 mm		1000 m³/h		600-1000 m³/h

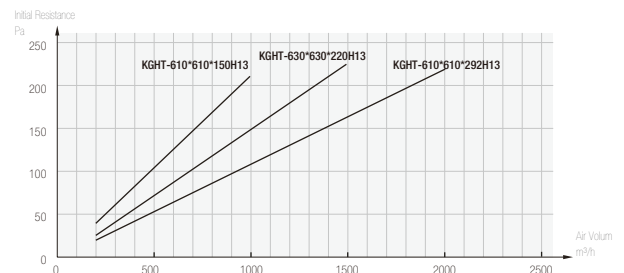
H11 99.5-99.94%@0.3µm

Initial resistance tolerance: ≤ 15%

H13 99.95-99.994%@0.3µm

H14 99.995-99.9994%@0.3µm

Air Volume Correction Graph



Ordering Information

KGHT 1 2 3 4 5

Block 1

Code	Appearance Dimension
	W*H*D

Block 2

Code	Outer Frame Material
G	Galvanized steel
S	Stainless steel
A	Aluminum alloy

Block 3

Code	Filtration Grade
11	H11
13	H13
14	H14

Block 4

Code	Sealing Strip Position
10	On air inlet side
01	On air outlet side
11	Both sides
00	None

Block 5

Code	Sealing Strip Material
C	Ordinary rubber foam seal
E	EPDM
F	Non-stop rubber foam seal



KGFB

Antistatic Nano Material Filter

It adopts polyester fiber filter media. The surface of the filter material is attached with a thin layer of conductive aluminum foil or polyester fiber blended with carbon fiber so that the permeability of the filter material is not damaged, while avoiding dust explosion caused by static spark and dust stick generated by electrostatic attraction.

Features and Benefits

- Easy to connect, long lifetime and high efficiency
- Can be safely incinerated after disposal
- Small resistance, to save compressed air during back-flushing
- Size can be customized

Material

Housing	Galvanized carbon steel Stainless Steel
Material	Glassfiber, Fiber, Customized
O-ring	EPDM

Operation Characteristics

The Max Operation Pressure	0.6MPa (6.0bar)
Design Pressure	1.0MPa (10bar)
The Max Operation Temperature	80°C
Design Temperature	100°C

Ordering Information

KGFB 1 2 3 4

Block 1

Code	Appearance	Dimension
	OD*ID*H	

Block 2

Code	Media	Material
F	Glassfiber	
C	Fiber	
D	Customized	

Block 3

Code	Micron Rating
0020	0.2 μm
0050	0.5 μm
0100	1.0 μm
0200	2.0 μm

Block 4

Code	Material
D	Galvanized Carbon Steel
S	Stainless Steel

Wiping Cloth

Using imported wood pulp as raw material and the world's advanced hydroentanglement equipment, Cobetter adopts the cross-laying process to manufacture high gram wiping cloth. It has the advantages of no flake, high strength and strong water absorption.



Features and Benefits

- High strength, good tensile resistance and wear resistance
- No flake, strong water absorption
- Antistatic, excellent solvent resistance
- Soft and no scratches
- Effectively removes water, oil, particles, etc
- Can offer widths from 100 to 3200mm and gram weights from 30 to 130g/m²

Ordering Information

NWF-P 1 2

Block 1

Code	Appearance	Dimension
		OD*ID*H

Block 2

Code	Core
	PR(Paper Roll)
	PP
	SS(Stainless steel)



CPRF

Pipeline Iron Remover

Pipeline iron remover adopts stainless steel shell, rare earth permanent magnet as magnetic source, and narrow slot design to ensure iron removal performance. When the iron-containing substance passes, the iron-containing substance will be adsorbed by the magnetic rod to ensure effective removal of iron substances in the slurry.

Features and Benefits

Simple structure, convenient installation, efficient iron-containing substance removal in slurry.

Material

Housing	Galvanized carbon steel
	Stainless Steel
Magnetic rod specifications	12000 Gauss
O-ring	EPDM

Operation Characteristics

The Max Operation Pressure	0.6MPa (6.0bar)
Design Pressure	1.0MPa (10bar)
The Max Operation Temperature	80°C
Design Temperature	100°C

Ordering Information

CPRF **1** **2** **3** **4**

Block 1

Code	Appearance	Dimension
D	Customized	

Block 2

Code	Magnetic Rod Type
1	1
3	3
5	5

Block 3

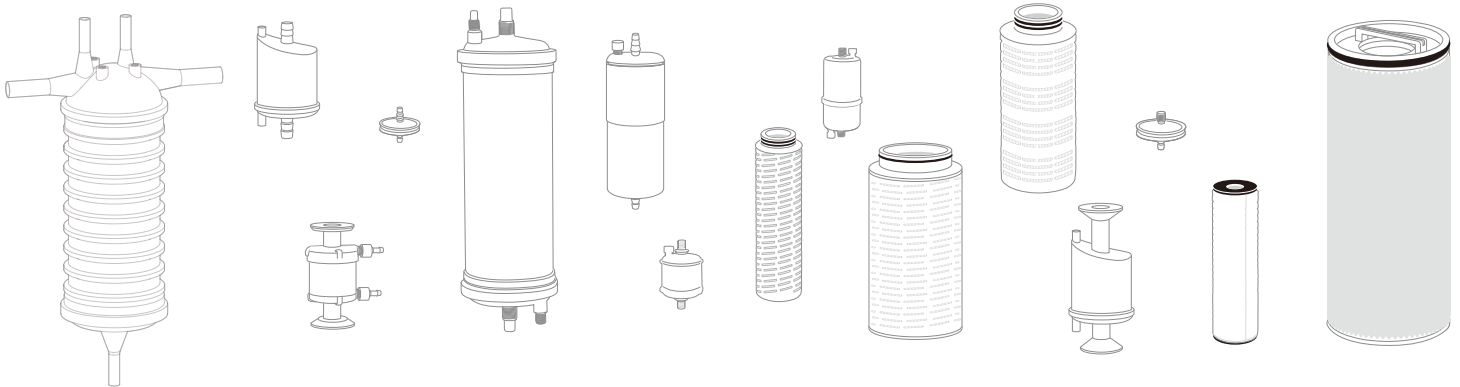
Code	Inlet/Outlet Connection
T50	Quick-loading DN50
T65	Quick-loading DN65
D	Customized

Block 4

Code	O-ring
P	TEV

Our Mission

Solve process problems and improve quality for customers through our excellent products and continuously innovative solutions



Hangzhou Cobetter Filtration Equipment Co.,Ltd.

Sales Add:19/F Building B, Huanyu Business Center, No.626
Kejiguan Road, Binjiang District, Hangzhou 310052, China
Factory Add:No.88 Kebai Road,Heshang Town,
Xiaoshan District Hangzhou 311265,China

Tel 400-070-4266
Fax +86-571-87704256
www.cobetterfiltration.com