





SCFH-Mechanical cleaning filter housing

- ▶ Automatical cleaning, automatical exiting, no bag/cartridge
- ▶ Automatically mechanical operation, reduce or eliminated operator intervention.
- ▶ Pneumatic drive, no need electric power, safe, economic
- ▶ Kinds of flow rate available.
- ▶ Wide applications, mainly for high viscosity, corrosive liquid, viscosity up to 1000000cp.



Spec	SCF-104	SCF-148	SCF-502
Filter rate(micron)	25 - 400	25 - 400	25 - 400
Total volume(litre)	3.5	14.8	41.6
Purge chamber capacity	119ml	0.74litres	6litres
Filter area(cm ²)	722	1703	3935
100um Max.flow rate(m ³ /h)	0.45 - 6.8m ³ /h	2.27 - 13.6m ³ /h	6.8 - 45.4m ³ /h
Max.Temperature(°C)	160	160	160
Max.pressure(bar)	21	10	10
In/outlet(standard)	1 1/2"BSP socket	2"Flange	3"Flange
Material of construction	SS304 / SS316L(include filter element)		



SLF FILTER

SLF-T01/02-Topflow bagfilter housing

- ▶ Top flow design
- ▶ Two types of size: #01,#02
- ▶ Cover completely press filter bag for good sealing
- ▶ In/outlet: 2"DN Flange/2"BSP
- ▶ Evacuation cover closure with Swing eyebolts
- ▶ Adjustable legs for choice
- ▶ Material:SS304,SS316



Model	SLF-T01	SLF-T02
Filter bag size	#01(7"X16")	#02(7"X32")
In/outlet	DN50 Flange	
Filter area(m2)	0.25	0.5
Max.flow rate(m3/h)	20	40
Max.design pressure(bar)	10	
Max.temperature(°C)	120	
Vent port BSP 1/4"	1	
Material of construction	SS 316/SS304	
Suface finished	Glass Bead Blasted or E-polished	



SLF-S01/02-Sideflow bagfilter housing

- ▶ Side flow design
- ▶ Two types of size: #01,#02
- ▶ Basket with Viton profile gasket or SS-ring for seal
- ▶ In/outlet: 2"DN Flange/2"BSP
- ▶ Evacuation cover closure with Swing eyebolts
- ▶ Adjustable legs for choice
- ▶ Material:SS304,SS316



Model	SLF-S01	SLF-S02
Filter bag size	#01(7"X16")	#02(7"X32")
In/outlet	DN50 Flange	
Filter area(m2)	0.25	0.5
Max.flow rate(m3/h)	20	40
Max.design pressure(bar)	10	
Max.temperature(°C)	120	
Vent port BSP 1/4"	1	
Material of construction	SS 316/SS304	
Suface finished	Glass Bead Blasted or E-polished	



SLF FILTER

SLF-C01/02-V-clamp bagfilter housing

- ▶ V-clamp side-flow design
- ▶ Four types of size: #01,#02, #03, #04
- ▶ Basket with Viton profile gasket for seal
- ▶ In/outlet: 2"DN Flange, 2"BSP or 1 1/2"Socket
- ▶ Evacuation cover closure with V-clamp
- ▶ Adjustable legs for choice
- ▶ Material:SS304, SS316



Model	SLF-C01	SLF-C02	SLF-C03	SLF-C04
Filter bag size	#01	#02	#03	#04
In/outlet	2"BSP	2"BSP	1 1/2"BSP	1 1/2"BSP
Filter area(m2)	0.25	0.5	0.09	0.16
Max.flow rate(m3/h)	20	40	6	12
Max.design pressure(bar)	6		9	
Max.temperature(°C)	120			
Vent port BSP 1/4"	1			
Material of construction	SS304 / SS316			
Suface finished	Glass Bead Blasted or E-polished			



SLF-P01/02- PP/UPVC bagfilter housing

- ▶ A model : Internal thread cover closure design
B model: Swing eyebolt cover closure design
- ▶ Two types of size: #01,#02
- ▶ PP or UPVC material construction
- ▶ Superior corrosion resistance
- ▶ The en-bloc seamless molded body for easy cleaning
- ▶ The cover is easy to handle by hand without any other tool



PP material

PP material

PP material

UPVC material

UPVC material

Model	Install size	Bag size	in/outlet	Max pressure
SLF-PP102	Φ 215*H1100	Φ 7"*L32"	2"BSP/ 2"adjustable Flange	7bar
SLF-UPVC101-A	Φ 225*H785	Φ 7"*L16"		A-4bar
SLF-UPVC102-A	Φ 225*H1180	Φ 7"*L32"		B-6bar
SLF-UPVC101-B	Φ 225*H820	Φ 7"*L16"		
SLF-UPVC102-B	Φ 225*H1200	Φ 7"*L32"		

Remarks:

It can install all materials, all precision's filter bag 1pcs .
 The highest of working temperature:95°C (PP mataterial) and 45°C (UPVC mataterial)
 The size of the thread
 hole in the lid of the filter is G1/4".



SLF FILTER

SLF-MBFH-Multi-bagfilter housing

- ▶ V-clamp quick-open design for cover
- ▶ Swing eyebolts design for cover seal
- ▶ Easy handling, high efficient multi-bag filter housing
- ▶ Available for high flow rate and frequent changing filter bag in filter field
- ▶ 3-12bag housing for V-clamp quick-open cover type
3-24bag housing for Swing eyebolt cover type
the flow rate from 60m³/h to 960m³/h
- ▶ Material:SS304, SS316



ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ

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A model

B model

SLF-Cartridge housing

- ▶ A model : V-clamp cover closure design
B model: Swing eyebolt cover closure design
- ▶ 3elements to 40elements to chose
- ▶ Design pressure: A: 6bar; B:10bar
- ▶ In/outlet: Flange or BSP
- ▶ Suit to DOE, 222/226/fin insert elementhe
- ▶ Surface finished: E-polishe



Model	Diameter	In/outlet (Flange/BSP)	Flow rate (t/h)	Materials
3-10"(20",30")	φ160	25	1	SS304/SS316L
5-10"(20",30",40")	φ230	25	3	
7-10"(20",30",40")	φ230	32	6	
9-30"(40")	φ300	65	9	
10-30"(40")	φ300	80	10	
15-30"(40")	φ350	80	15	
20-30"(40")	φ400	80	20	
25-30"(40")	φ450	100	25	
30-30"(40")	φ500	125	30	
40-40"	φ600	125	48	



SLF FILTER



SLF-Filter bag

▶ SS-ring collar PP/PE filter bag

The ring adopted stainless steel corrosion non-pollution, the collar with striking line convenient and durable. Five-line package to eliminate phenomenon of exposed bags According to customer's request for non-standard size and collar welded

▶ Whole hot-melt plastic ring filter bag

PO/PE ring, Type: FSI, EATON 's collar etc. Middle line and bottom of bag with hot-melt and ultrasonic welding, unique sealing design, no sideleak suitable for high-purity line welding type: triangle, round arc-shaped

▶ NMO Filter bag

Absolute precision filter surface
Repeating cleanness, reducing consumption
Stainless steel ring, plastic ring and line
Five-line packed, outer-sewn and anti-sewn

▶ High-temperature filter bag

Especially for extreme condition filter
low-temperature resistant, high-temperature resistant; acid and alkali resistant;
PTFE tread to sew the bags; Non-polluting

▶ LCR Oil adsorbing filter bag

Oil adsorbing fiber layer with proil hydrophobic
Dual effect of oil adsorbing and fine filter
Used to the line of Auto, mine and treatment of oil field; Plating chemical, solvents prodction

Model	Material	Filter precision(micron)	Ring	Bag size
SS-ring bag	PO/PE	0.5,1,5,10,25,50,100,200	SS304	#01,#02,#03,#04,#05
Hot-weld/ultrasonic ba	PO/PE	0.5,1,5,10,25,50,100,200	PO/PE	#01,#02,#03,#04,#05
NMO filter bag	NMO	50,80,100,125,150,200,300...	SS304/Zinc	#01,#02,#03,#04
PTFE filter bag	PTFE	0.5,1,5,10,25,50,100,200	SS304	#01,#02,#03,#04,#05



Pleated Filter cartridge

Pleated polypropylene filter cartridge is used in liquid of prefiltration, clarification filtration and terminal filtration. It has the advantage of larger filtrated proportion and longer lifetime, which is good at deep-filtration. This product is not quaelric polluted and wide chemical consistence which is made by ultra sonic heat-fusing-caking technic with the structure of polypropylene. The accurate range of filtration is from 0.1um to 30um.



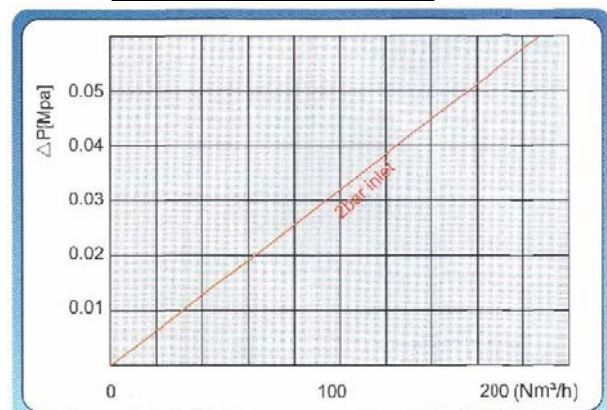
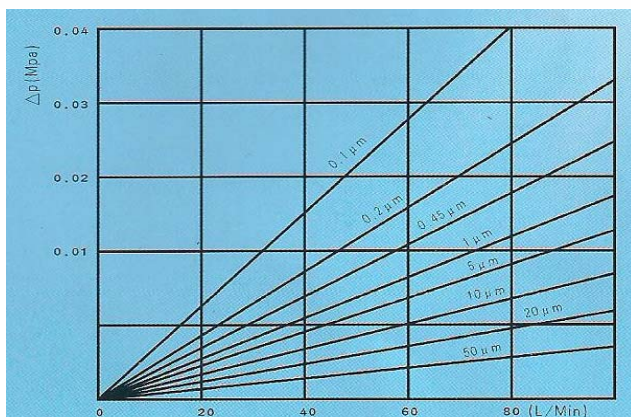
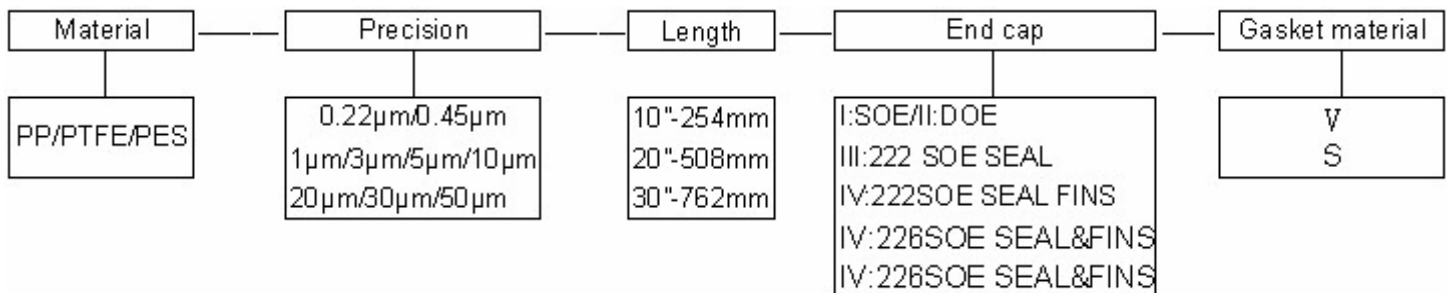
Spec

- ▶ Filter precision: 0.1-30u
- ▶ Spec: \varnothing 66×250(10") \varnothing 66×500(20")
 \varnothing 66×750(30") \varnothing 66×1000(40")
- ▶ Filter area: 0.5m²(10") 1m²(20")
 1.5m²(30") 2m²(40")
- ▶ Max operating pressure: 0.42mpa, at 25 °C
- ▶ Work temperature: < 80 °C
- ▶ Effective filter area: 0.40-0.70m²



Application:

It is widely used to prefiltrate and refine in sanitary field, electronic field, medical field, chemical field and oil field.





SLF FILTER

Sintered Activated Carbon block cartridge

Sintered Carbon block cartridge is produced by high quality coconut shell and high polymer material, CTO is integrated of Absorbtion, filtration, interception, catalyzing. CTO cartridge can effectively remove residual chlorine, organic matter and others radioactive substance. Meanwhile, CTO can also remove peculiar smell. It's better material for air purity and liquid filtration industry.

Spec

- ▶ Specific surface area: $\geq 1000\text{m}^2/\text{g}$
- ▶ Carbon tetrachloride adsorption rate: $\geq 94\%$
- ▶ Ash content: $\leq 4\%$
- ▶ Methylene blue adsorption number: $\geq 120\text{ Mg/g}$
- ▶ Total quantity of water purification: 8-10 ton.
- ▶ The highest withstand pressure: 0.7MPa
- ▶ The maximum pressure drop: 0.2Mpa
- ▶ Operation temperature: $-20^\circ\text{C} \sim 60^\circ\text{C}$
- ▶ Maximum flow rate: 5L/min(Water as the medium; test under 0.02Mpa differential pressure)



Length(inch)	Material	Standard OD	ID(mm)	Length	Filter rate(micron)
10"	Activated carbon	65mm	28mm	10"(250±1mm)	1-5micron
20"				20"(508±1mm)	
30"				30"(762±1mm)	
40"				40"(1016±1mm)	



SLF FILTER

String Wound Filter cartridge

The filter cartridge,are made of textile fiber yarn of PP,absorbent cotton and glass fiber spun onto Polypropylene or Stainless steel core.Which are often used for depth liquid filter,are mainly applicable for water filtration for daily life,food and beverage,industry and electroplating solution,chemical lotion,oil and painting,and soon on

Spec

- ▶ Operating pressure drop:0.1kgf/cm²
- ▶ Max pressure:0.4kg/cm²
- ▶ Max pressure drop:2kg/cm²
- ▶ PP yarns and PP core ≤60°C
PP yarns and SS core≤80°C
Absorbent cotton and SS core≤180°C
Glass fiber and SS core≤200°C



Length(inch)	OD scope	Standard OD	ID(mm)	Filter rate(micron)
5"	55-115mm	60-63mm	28,30mm	0.5,1,5,10,,20,30,50,75,100um
10"				0.5,1,5,10,,20,30,50,75,100um
20"				0.5,1,5,10,,20,30,50,75,100um
30"				0.5,1,5,10,,20,30,50,75,100um
40"				0.5,1,5,10,,20,30,50,75,100um



SLF FILTER

High Flow Pleated Filter cartridge

SLF-High Flow Filter Cartridge is a replacement cartridges for the depth filtration and other 2-1/2" diameter cartridge for the high flow applications. Pre-Filtration for RO systems is an example Up to 1200 LPM flow rate per cartridge reduced the number of filter cartridges and the dimension of the filter housing required. Water treatment volume per High-flow filter cartridge equals to 10x40" length 2-1/2" diameter cartridge. Inner O-ring insures no bypass and handle design makes the installation easier.

Feature

- ▶ High dirt holding capacity, longer service life
- ▶ Less cartridge changes out to save the labor cost
- ▶ O-ring design cause no bypass to ensure the filtration efficiency
- ▶ Easy handling result in less manpower
- ▶ Wide chemical compatability for different applications

Spec

Filter Media : Polypropylene

- ▶ Support/Drainage : Polypropylene
- ▶ End Cap Material : Glass fiber reinforced PP
- ▶ O-Ring Seal Material : EPDM
- ▶ Filter precision : 1um, 5um, 6um, 10um, 20um, 40um, 70um, 100um
- ▶ Operating temperature $\leq 80^{\circ}\text{C}$
- ▶ Differential pressure $\leq 3.4\text{Bar}$ 80°C
- ▶ Flow rate $\leq 1300\text{LPM}$
- ▶ Outside diameter(OD) : 6inch (152mm)
- ▶ Inside diameter(ID) : 3.5inch(89mm)
- ▶ Length : 40inch(1016mm)

Application

- ▶ Prefiltration of RO, Pretreatment of sea water desalination
- ▶ Condensed water treatment for power plant
- ▶ The filtration of bottled water, high fructose, edible oil, soft drinks etc
- ▶ Microelectronics, film, fiber and resin





PP melt blown Filter cartridge

PP Blown Depth Cartridges were designed to have continuously graded pore structure provide both pre-filtration and final-filtration. Our multi-extruded controlling technology can precisely control the micro-fiber's diameter and density varying from inner to outer of the cartridge. Pore size differentiation is achieved using fibers of differing diameters and maintaining uniform density throughout the cartridge.



Spec

- ▶ High Efficiencies/Flow rates
- ▶ The efficiency of maximal granule filtration 99%.
- ▶ The primary efficiency of accurate filtration 95%
- ▶ On the pressure gap: $\Delta p=0.15\text{mpa}$,:



Application:

It is widely used to prefiltrate and refine in sanitary field, electronic field, medical field, chemical field and oil field

10"cartridge and nominal precision, waterflow below

Nominal precision (μm)	First precision (μm)	Max particle (μm)	Water flow(L/min)
0.5	1-5	5	8
1	5-15	10	15
3	15-20	20	20
5	20-30	25	25
10	30-40	35	30
20	35-50	45	40
30	40-60	50	45
50	50-70	65	50



SLF FILTER

Cationic resin softening Filter cartridge

Resin is a kind of multihole、insoluble exchanged material, there are millions upon millions of micro plastic bead to increase the touch area. The Cationic exchanged resin cartridge is available for softening、desalting, and it's also used to separate and refine the antibiotics from purity water, etc.

Spec

- ▶ Specific surface area: 600-800m²/g
- ▶ Hardness after softening ≤ 0.03mmol/L
- ▶ Working pressure drop: 0.1-0.2kgf/cm
- ▶ Max pressure ≤ 7kgf/cm
- ▶ Max working temperature ≤ 60°C
- ▶ Max flow rate ≤ 5L/min



Length(inch)	Material	Standard OD	ID(mm)	Filter rate(micron)
10"	Cationic exchanged resin	74mm	28mm	10"(250±1mm)
20"				20"(508±1mm)
30"				30"(762±1mm)
40"				40"(1016±1mm)