

Snowate

STAINLESS STEEL FILTER FOR FOOD AND MEDICINE

Snowate

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资质证书 Qualification Certificate



生产车间 Production Workshop



科学技术是第一生产力，科学技术也是企业的核心竞争力。不断加强核心技术的研发和创新，不断追求卓越，精益求精，以先进的生产设备，严格的质量管理，精密的生产检测流程，保证每一款产品的优良性能。

生产工具是生产力发展水平的标志，先进的生产设备代表了先进的生产力。公司积极引进先进的技术和生产设备，使产品内在品质与外在个性化紧密结合，完全满足并引领工业现代化的需求。

Science and technology are the primary productive forces, and science and technology are also the core competitiveness of enterprises. Continuously strengthen the research and development of core technologies, innovate continuously, strive for excellence, keep improving, use advanced production equipment, strict quality control, and precise production testing procedures to ensure the excellent performance of each product.

Production tools are a sign of the level of productivity development. Advanced production equipment represents advanced productivity. The company actively introduces advanced technology and production equipment to closely integrate the intrinsic quality of the product with the external personalization, fully satisfying and leading the needs of industrial modernization.

高品质产品要求
精心设计、精心制造、精益求精

High quality products require elaborate design, well-crafted manufacturing and continuous improvement.

产品目录
Product Catalog



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SWCD 侧入式袋式过滤器 Side Entry Bag Filter

经济型单袋式过滤器
Single bag filter

- SWCD 侧入式袋式过滤器，一款配合滤袋使用的袋式过滤器，用于一些粗过滤及预过滤环节。
- 侧进下出或侧进侧出的结构，有效地节省了过滤器的空间，整个结构经济合理。
- 用压环、弹簧压紧滤袋环口，保证了过滤器与滤袋之间良好的密封。
- 可调支脚，安装尺寸可根据现场要求快速调整。
- SWCD Side-entry bag filter with single filter bag is for some coarse filtration and pre-filtration process.
- Side entry structure is a economical and reasonable design which can effectively save space of the filter.
- Pressure ring and the spring ensure good seal between the filter and the filter bag.
- With adjustable legs, the installation size can be adjusted according to the requirements of the particular spot.



操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
吊环螺栓 Eyebolt	304
可调支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone



连接 Connection

壳体连接 Connection of shell	法兰 Flange
进出口N1、N2 In-outlet	法兰、快装、螺纹 Flange, Tri-clamp, Thread
压力表N3(选配) N3 Pressure gauge (option)	1.5"快装Tri-clamp (1号袋#Bag/2号袋#Bag) M14 x 1.5内螺纹Female thread (3号袋#Bag/4号袋#Bag)
排气阀N4(选配) N4Vent valve (option)	1/4"外螺纹 Male thread

表面处理 Surface Finish

处理类型Finish type	机械抛光、电解抛光、喷砂 Mechanical / Electrolytical polishing Sand blasting
抛光精度 Polishing precision	内壁 0.6 μm Inner surface Ra≤0.6 μm 外壁 0.8 μm Outside surface Ra≤0.8 μm 支撑滤篮 0.6 μm Basket 0.6 μm

尺寸参数表 Dimension Parameters

	模压盖 / 平盖 Compression Molded Cover / Flat Cover		平盖Cover	
	1号袋 1#bag	2号袋 2#bag	3号袋 3#bag	4号袋 4#bag
A: 总高(不含压力表) Total height	990	1365	525	635
B: 进口中心距 The distance from inlet to center	147		92	
C: 直径 Shell diameter	Φ 204	Φ 204	Φ 114	Φ 114
D1: 进口离地高度 The height from inlet to ground	835	1205	445	555
D2: 出口离地高度 The height from outlet to ground	250		300	
进出口 In-outlet N1、N2尺寸 Size	1.5"或2"		1"或1.5"	
E: 可调支脚高度 Stabilizer blade	500	800	300	400
最大流量 Max flow m³/h	20	40	6	12

上表数据为标准型，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

侧入式袋式过滤器 Side entry bag filter

SWCD 选型表 Selection Table

[滤袋数量 Qty. of Bag Filter]	[滤袋型号 Model of Bag Filter]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈O-ring]
1P	2S	4	F	E
1P=1袋 Pc	1S=1号袋1#Bag: Φ 180 x 430 2S=2号袋1#Bag: Φ 180x 810 3S=3号袋1#Bag: Φ 105 x 230 4S=4号袋1#Bag: Φ 105x 380	4= 304 6= 316L D=双相钢Duplex SS T=钛材Titanium H=哈氏合金Hastelloy	F=法兰 Flange K=快装 Tri-clamp L=螺纹 Thread	E=三元乙丙橡胶 EPDM P=聚四氟乙烯 PTFE V=氟橡胶 Viton S=硅橡胶 Silicone

SWDD 顶入式袋式过滤器 Top Entry Bag Filter

结构最合理的单袋式过滤器
Single bag filter with the most
reasonable structure

- SWDD 顶入式袋式过滤器，一款配合滤袋使用的袋式过滤器，用于一些粗过滤及预过滤环节。
 - 侧面入口进入，再从顶部进入滤袋内的设计，能自动分压，不会产生紊流，减少压力损失，有效保护滤袋。
 - 顶盖全面压紧密封，密封效果更好，杜绝侧漏。
 - 可调支脚，安装尺寸可根据现场要求快速调整。
- SWDD Top Entry Bag Filter Housing for some coarse filtration and pre-filtration process.
 - The design of side entry first and then top entry into the filter bag does not cause turbulence and not reduce pressure because of the stabled pressure. Also this structure effectively protects the filter bag.
 - The top cover is fully pressed and sealed, and the sealing effect is better.
 - With adjustable legs, the installation size can be adjusted according to the requirements of the particular spot.

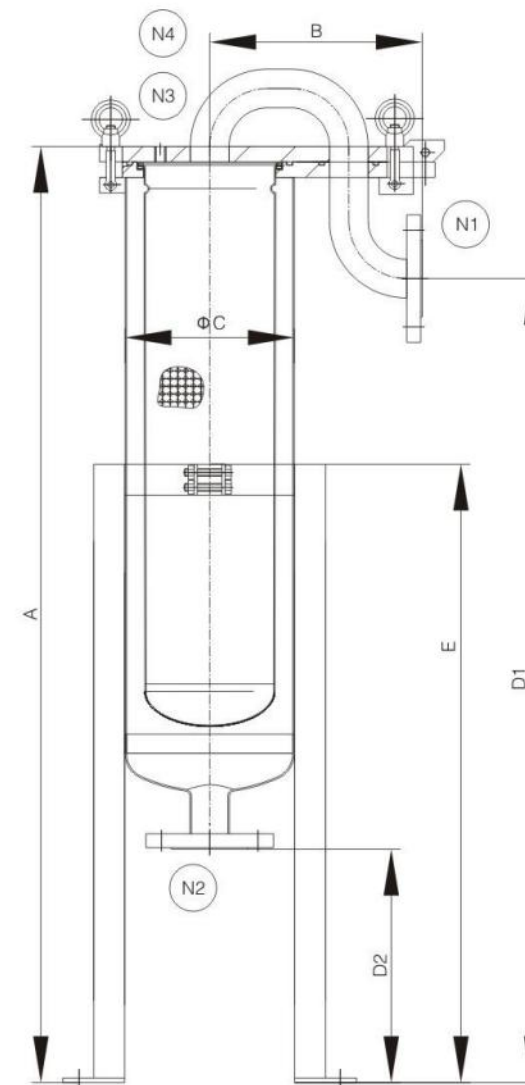


操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
吊环螺栓 Eyebolt	304
可调支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone



顶入式袋式过滤器 Top entry bag filter

Connection

壳体连接 Connection of shell	法兰 Flange
进出口N1、N2 In-outlet	法兰、快装、螺纹 Flange, Tri-clamp, Thread
压力表N3(选配) N3 Pressure gauge (option)	M14 × 1.5内螺纹 M14 × 1.5 Female thread (3#Bag /4#Bag)
排气阀N4(选配) N4Vent valve (option)	1/4"外螺纹 Male thread

表面处理 Surface Finish

处理类型Finish type	机械抛光、电解抛光、喷砂 Mechanical / Electrolytical polishing Sand blasting
抛光精度 Polishing precision	内壁 0.6 μm Inner surface Ra≤0.6 μm 外壁 0.8 μm Outside surface Ra≤0.8 μm 支撑滤篮 0.6 μm Basket 0.6 μm

尺寸参数表 Dimension Parameters

	平盖Cover	
	1号袋 1#bag	2号袋 2#bag
A: 总高(不含压力表) Total height	790	1110
B: 进口中心距 The distance from inlet to center	275	
C: 直径 Shell diameter	Φ 204	Φ 204
D1: 进口离地高度 The height from inlet to ground	620	940
D2: 出口离地高度 The height from outlet to ground	200	
进出口 In-outlet N1、N2尺寸 Size	1.5"或2"	
E: 可调支脚高度 Stabilizer blade	550	700
最大流量 Max flow m³/h	20	40

上表数据为标准型，仅供参考，可根据客户要求定制；未注长度单位为mm。
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SWDD 选型表 Selection Table

[滤袋数量 Qty. of Bag Filter]	[滤袋型号 Model of Bag Filter]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈O-ring]
1P	2S	4	F	E
1P=1袋 Pc	1S=1号袋1#Bag: Φ 180 x 430 2S=2号袋1#Bag: Φ 180 x 810 3S=3号袋1#Bag: Φ 105 x 230 4S=4号袋1#Bag: Φ 105 x 380	4= 304 6= 316L D=双相钢Duplex SS T=钛材Titanium H=哈氏合金Hastelloy	F=法兰 Flange K=快装 Tri-clamp L=螺纹 Thread	E=三元乙丙橡胶 EPDM P=聚四氟乙烯 PTFE V=氟橡胶 Viton S=硅橡胶 Silicone

SWDS 多袋式过滤器 Multi Bags Filter

大流量袋式过滤器
High flow bag filter

典型的应用

食品及饮料；生物工程及医药；石化及化工；汽车制造；石油及天然气；电子及电镀；涂料、油漆、油墨；核电与火电及废液过滤；摄影胶片生产工艺液体过滤；日用化工的液体和气体净化；机械加工及制冷行业各种冷却液过滤；纺织、印染、造纸行业的各种液体净化。

Application

Food and beverage; bio engineering and pharmaceutical; petrochemical and chemical; automobile manufacturing; petroleum and natural gas; electronic and natural gas; coating, paint, printing ink; nuclear power and thermal power and waste water filtration; liquid and gas purification of liquid and gas.



产品特点

- 处理流量大,使用寿命长。
- 滤器设计紧凑,减少占地空间,同时减少液体的损失。
- 侧进底出的设计确保液体介质可被完全排放,同时采用了正切位出口供选择,使得排污彻底,工人操作方便。
- 内部独特的三点压紧装置确保良好的滤袋密封性,避免液体旁漏。
- 多袋过滤器壳体可采用转臂+吊环螺栓设计或快开设计,操作方便,经济实用。

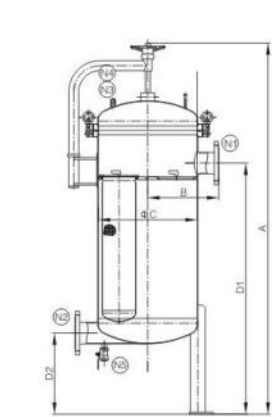
- SWDS多袋式过滤器,一款配合滤袋使用的袋式过滤器,用于粗过滤及预过滤环节。
- SWDS多袋式过滤器标配01号滤袋或02号滤袋,标准模式为2袋~12袋,定制最大生产到24袋,基本能满足各类流量的要求。
- SWDS Multi bags filter, for some coarse filtration and pre-filtration process.
- SWDS Standard No. 01 bag or 02 bag, the standard model for 2 ~ 12 bags, and the maximum production customized to 24 bags can basically meet the requirements of various types of flow.

Feature

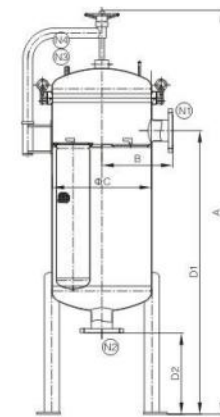
- Large flow, Long service life.
- Compact design can reduce occupied space and the loss of liquid.
- Side entry and bottom out ensure that liquid medium can be completely discharged, the tangential position outlet, discharging pollution thoroughly, is convenient to be operating.
- The unique three-point clamp device ensures good sealing and avoid liquid side leakage.
- The filter housing can add swing arm and the eyebolt or quick-open design, operating conveniently and economically.



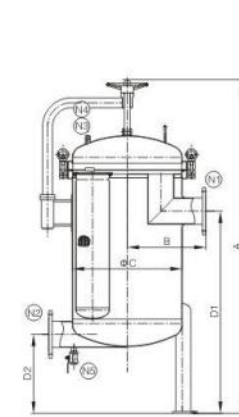
摇臂式 Swing-arm Type



花板上侧进侧出型多袋式过滤器
Above plate side-in and side-out multi bags filter

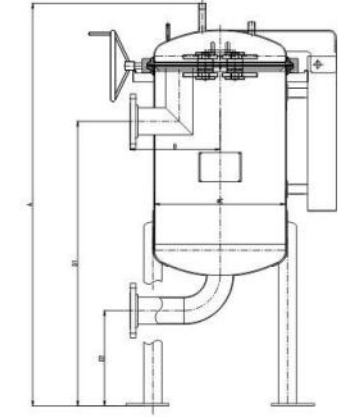


花板上侧进底出型多袋式过滤器
Side-in and bottom-out multi bags filter



花板下侧进侧出型多袋式过滤器
Below plate side-in and side-out multi bags filter

快开式 Quick-open Type



花板下侧进侧出型多袋式过滤器
Below plate side-in and side-out multi bags filter

操作条件 Operating Conditions

最大操作压力 Max operating pressure	1.0MPa
最大操作温度 Max operating temperture	150℃

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical / Electrolytical polishing Sand blasting
抛光精度 Polishing precision	内壁 0.6 μm Inner surface Ra≤0.6 μm 外壁 0.8 μm Outside surface Ra≤0.8 μm 支撑滤篮 0.6 μm Basket 0.6 μm

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
吊环螺栓 Eyebolt	304
可调支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	法兰 Flange
进出口N1、N2 In-outlet	法兰、快装、螺纹 Flange, Tri-clamp, Thread
压力表N3(选配) N3 Pressure gauge (option)	1/2"内螺纹 Female thread
排气阀N4(选配) N4Vent valve (option)	1/2"外螺纹 Male thread
排液阀N5(选配) N5 Drain valve (option)	1/2"外螺纹 Male thread

尺寸参数表 Dimension Parameters

	2袋2号袋 2P2S		4袋2号袋 4P4S		6袋2号袋 6P2S		8袋2号袋 8P2S	
	花板上侧进底出 Above plate side-in and bottom-out	花板下侧进侧出 Below plate side-in and side-out	花板上侧进底出 Above plate side-in and bottom-out	花板下侧进侧出 Below plate side-in and side-out	花板上侧进底出 Above plate side-in and bottom-out	花板下侧进侧出 Below plate side-in and side-out	花板上侧进底出 Above plate side-in and bottom-out	花板下侧进侧出 Below plate side-in and side-out
A: 总高(不含压力表) Total height	1880	1530	2030	1600	2130	1700	2520	2060
B: 进口中心距 The distance from inlet to center	300		360	400	440	450	500	500
C: 直径 Shell diameter	Φ 400		Φ 500	Φ 550	Φ 650		Φ 750/800	
D1: 进口N1离地高度 The height from inlet to ground	1330	950	1425	975	1480	1000	1650	1150
D2: 出口N2离地高度 The height from outlet to ground	300		400	350	400		400	
N1、N2: 进出口尺寸 In-outlet N1、N2 size	4"		4"		5"		5"	

上表数据为标准型, 仅供参考, 可根据客户要求定制; 未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWDS 选型表 Selection Table

[滤袋数量 Qty. of Bag Filter]	[滤袋型号 Model of Bag Filter]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
3P	2S	4	F	E
2P=2袋 Pc	7P=7袋 Pc	1S=1号袋1#Bag: Φ 180 x 430	F=法兰 Flange	E=三元乙丙橡胶 EPDM
3P=3袋 Pc	9P=9袋 Pc	2S=2号袋1#Bag: Φ 180x 810	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
4P=4袋 Pc	12P=12袋 Pc		L=螺纹 Thread	V=氟橡胶 Viton
6P=6袋 Pc				S=硅橡胶 Silicone
		T=钛材Titanium		
		H=哈氏合金Hastelloy		

SWDX

单芯卫生级液体过滤器

Single Cartridge Sanitary Filter

无任何清洗死角过滤器
No dead corner filter

- SWDX单芯卫生级液体过滤器是一款小流量的高端卫生级过滤器。
- SWDX单芯卫生级液体过滤器具有良好的表面和最大的耐腐蚀能力，以达到防止细菌污染的质量标准，卫生级过滤器套筒独特的结构，使每一个套筒的内外表面均没有死角、符合“GMP”规范要求，可完全拆洗，操作方便。
- SWDX Single Fluid Sanitary Filter is high quality sanitary grade filter which service for small flow rate.
- SWDX Single Fluid Sanitary Filter have excellent surface treatment and the maximal corrosion-resistant in order to prevent the bacterial contamination. The unique structure of the sanitary filter housing ensures inside and outside surface have no dead corner and conforms to the requirements of GMP, The filter housing can be completely disassembled and washed, easy to operate.

典型的应用

- 医药行业：各种抗菌素等药液的前置过滤。
- 食品饮料业：酒类、矿泉水、饮用水的过滤。
- 石油工业：油田注水过滤。
- 电子工业：高纯水前置过滤。
- 化学工业：各种有机溶剂、酸、碱液的过滤。

Application

- Low the pharmaceutical industry: all kinds of antibiotics such as liquid prefiltering.
- Low food and beverage, wine, mineral water, drinking water filtration.
- Low oil industry, oil field water injection filter.
- Low electronic industry: high pure water prefiltering.
- Low chemical industry: all kinds of organic solvents, acid, alkali liquor filtration.

产品特色

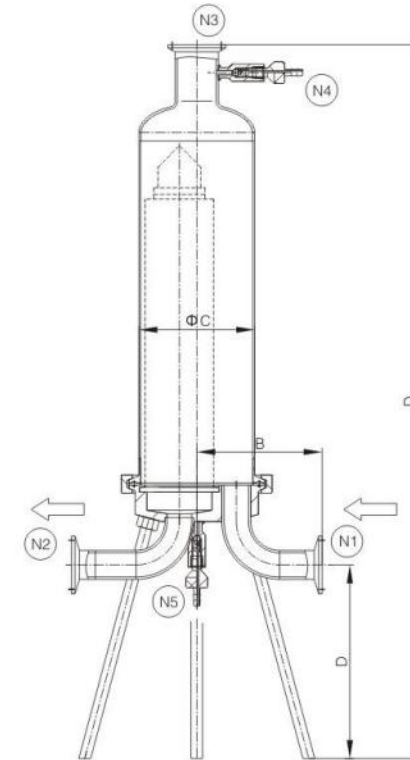
- 超高的抛光等级，内壁采用达到 $0.3\mu\text{m}$ ，外壁达到 $0.4\mu\text{m}$ ，绝对卫生级抛光。
- 采用强力快装，最高压力可达 0.6MPa 、 1.0MPa 。
- 排气阀和排液阀：螺纹套和宝塔接头脱离，在放气和排液时，所接软管不会再随着转动。
- 过滤器的支脚采用加强螺纹，不易滑牙，更为耐用；在支脚底部可安装调节螺母，可进行过滤器的高度调节，方便使用。

Feature

- Ultra high level of polishing, use $0.3\mu\text{m}$, the outer wall is $0.4\mu\text{m}$, absolute health level and polishing.
- Using strong fast loading, the highest pressure of 0.6MPa , 1.0MPa .
- Low exhaust valve and drain valve: threaded joint sets and pagoda from, when deflated and drainage, with the connect hose won't turn.
- Low filter supporting feet by strengthening thread, not easy sliding teeth, more durable; Can be installed adjusting nut at the bottom of the feet, can adjust the height of the filter, easy to use.



常规结构 Structure



单芯卫生级液体过滤器(222型、226型)
Single fluid sanitary filter housing(222type、226type)

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150℃
灭菌 Disinfect	在线或蒸汽灭菌：121℃/30min Online or steam sterilization: 121℃/30min

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304
快装、支脚 Quick-open, Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	快装 Tri-clamp
进出口N1、N2 In-outlet	快装 Tri-clamp
压力表N3(选配) N3 Pressure gauge (option)	1.5"卡接 Tri-clamp
排气阀N4(选配) N4Vent valve (option)	M6 Thread
排液阀N5(选配) N5 Drain valve (option)	M6 Thread
滤芯接头形式 Cartridges connection	222type, 226type

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical / Electrolytical polishing Sand blasting
抛光精度 Polishing precision	内壁 $0.3\mu\text{m}$ Inner surface $Ra\leq 0.3\mu\text{m}$ 外壁 $0.4\mu\text{m}$ Outside surface $Ra\leq 0.4\mu\text{m}$

尺寸参数表 Dimension Parameters

	1芯 Pc		
	10"	20"	30"
A: 总高(不含压力表) Total height	615	865	1115
B: 进口中心距 The distance from inlet to center	110		
C: 直径 Shell diameter	$\Phi 101.6$		
D: 进口N1、N2离地高度 D: N1, N2 The height from in-outlet to ground	170		
进出口 In-outlet N1、N2尺寸 Size	1"		

上表数据为标准型，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWDX 选型表 Selection Table

[滤芯数量 Qty. of cartridge]	[滤芯型号 Model of cartridge]	[滤芯接头 Cartridges connection]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
1R	20	S	4	K	E
1R=1芯 Pc	10=10" 滤芯 Cartridge	S=226型 Type	4= 304	K=快装 Tri-clamp	E=三元乙丙橡胶 EPDM
	20=20" 滤芯 Cartridge	T=222型 Type	6= 316L		P=聚四氟乙烯 PTFE
	30=30" 滤芯 Cartridge		D=双相钢Duplex SS		V=氟橡胶 Viton
	40=40" 滤芯 Cartridge		T=钛材Titanium		S=硅橡胶 Silicone
			H=哈氏合金Hastelloy		

SWLD

多芯液体过滤器

Multi Cartridge Sanitary Filter

中小流量的卫生级过滤器
Medium & small flow rate
sanitary filter

- SWLD多芯液体过滤器，可满足中小流量要求。
- 整体结构(222型、226型)按照卫生级要求设计制造；结构无卫生死角，符合“GMP”规范要求，易清洗；排液彻底，无残余顾虑。
- 对于部分清洗非常苛刻的应用，可将过滤器的花盘做成拆卸式，实现全角度清洗。
- SWLD Multi Fluid Sanitary Filter can meet requirement of medium & small flow rate.
- The structure design and manufacture in accordance with the sanitary grade. It's no dead corner, meet "GMP" standard, easy to clean, drain thoroughly, no residual liquid.
- For the application of some very harsh cleaning, the filter faceplate made of detachable, full angle cleaning.

典型的应用

- 医药行业：各种抗菌素等药液的过滤。
- 食品饮料业：酒类、矿泉水、饮用水的过滤。
- 石油工业：油田注水过滤。
- 电子工业：高纯水过滤。
- 化学工业：各种有机溶剂、酸、碱液的过滤。

Application

- Pharmaceutical industry: all kinds of antibiotics and other liquid filtration.
- Food and beverage industry: wine, mineral water, drinking water filtration.
- Oil industry: oil field water injection filtration.
- Electronics industry: high purity water filtration.
- Chemical industry: all kinds of organic solvent, acid, lye filtration.

产品特色

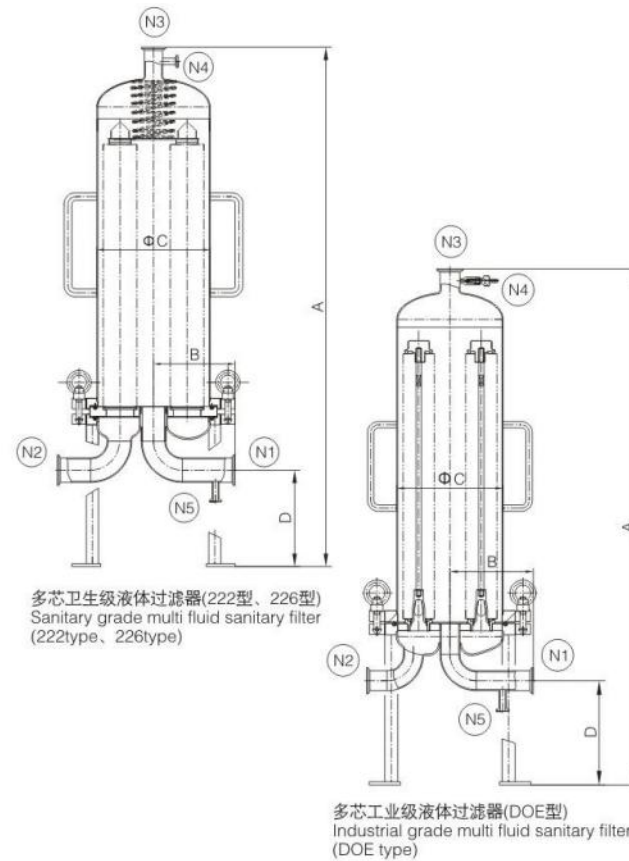
- 超高的抛光等级，内壁采用达到 $0.3\mu\text{m}$ ，外壁达到 $0.4\mu\text{m}$ ，绝对卫生级抛光。
- 排气阀可选快装形式，可完全拆卸，无卫生死角。
- 小规格过滤器在支脚底部安装调节螺母，可进行过滤器的高度调节，方便使用。

Feature

- The ultra high level of polishing, the inner surface polished to $0.3\mu\text{m}$ Ra, the outer surface to reach $0.4\mu\text{m}$, the absolute hygienic level polishing.
- The vent valve can choose quick-open, can completely disassembled and no dead corner of cleaning.
- Small specification filter installation adjusting nut at the bottom of the Stabilizer blade, can adjust the height of the filter, easy to use.



常规结构 Structure



尺寸参数表 Dimension Parameters

	3芯(4芯) 3R(4R)				5芯(6芯) 5R(6R)				7芯(8芯) 7R(8R)			
	10"	20"	30"	40"	10"	20"	30"	40"	10"	20"	30"	40"
A: 总高(不含压力表) Total height	760	1010	1260	1510	780	1030	1280	1530	805	1055	1305	1555
B: 进口中心距 The distance from inlet to center	160				160				200			
C: 直径 Shell diameter	Φ204				Φ235				Φ273			
D: 进出口N1/N2离地高度 The height from in-outlet N1, N2 to the ground	200				200				200			
N1、N2进出口尺寸 In-outlet N1、N2 size	1.5"				2"				2.5"			

上表数据为标准型多芯卫生级液体过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWLD 选型表 Selection Table

[滤芯数量 Qty. of cartridge]	[滤芯型号 Model of cartridge]	[滤芯接头 Cartridges connection]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
5R	20	S	4	K	E
3R=3芯 Pcs	10=10" 滤芯 Cartridge	S=226型(卫生级) (sanitary grade)	4= 304	K=快装 Tri-clamp	E=三元乙丙橡胶 EPDM
5R=5芯 Pcs	20=20" 滤芯 Cartridge	T=222型(卫生级) (sanitary grade)	6= 316L		P=聚四氟乙烯 PTFE
7R=7芯 Pcs	30=30" 滤芯 Cartridge	D=DOE(卫生级) (industrial grade)	D=双相钢Duplex SS		V=氟橡胶 Viton
9R=9芯 Pcs	40=40" 滤芯 Cartridge		T=钛材Titanium		S=硅橡胶 Silicone
12R=12芯 Pcs			H=哈氏合金Hastelloy		



操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150℃
灭菌(卫生级) Disinfect(sanitation)	在线或蒸汽灭菌：121℃/30min Online or steam sterilization: 121℃/30min

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304
吊环螺栓 Eyebolt	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	法兰(吊环螺栓)，卡接 Tri-clamp, Flange
进出口N1、N2 In-outlet	快装 Tri-clamp
压力表N3(选配) N3 Pressure gauge (option)	1.5"快接 Tri-clamp
排气阀N4(选配) N4Vent valve (option)	1/2"快装/M6螺纹 1/2"Tri-clamp/M6 Thread
排液阀N5(选配) N5 Drain valve (option)	1/2"快接 Tri-clamp
滤芯接头形式 Cartridges connection	222型、226型(卫生级)DOE(工业级) 222type、226 type (sanitation) DOE type (industrial-grade)

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical / Electrolytical polishing Sand blasting
抛光精度 Polishing precision	内壁 $0.3\mu\text{m}$ Inner surface Ra $\leq 0.3\mu\text{m}$ 外壁 $0.4\mu\text{m}$ Outside surface Ra $\leq 0.4\mu\text{m}$

SWJM 精密液体过滤器 Precision Liquid Filter

大流量的卫生级过滤器
High flow sanitary filter

- SWJM精密液体过滤器是大流量多芯卫生级液体过滤器，可满足不同大小的流量要求。
- 整体结构按照卫生级要求设计制造；结构无卫生死角、符合“GMP”规范要求，易清洗；排液彻底，无残液顾虑。
- 对于部分清洗非常苛刻的应用，可将过滤器的花盘做成拆卸式，实现全角度清洗。
- SWJM Precision liquid filter is a large flow and multi cartridges sanitary liquid filter, can meet the requirements of different sizes of flow rate.
- The structure design and manufacture is in accordance with the sanitary grade. There is no dead corner, meeting "GMP" standard. This product is easy to clean, draining thoroughly, no residual liquid.
- For strict cleaning application, the filter face plate can be designed to be disassembled to achieve full angle cleaning.



产品特点

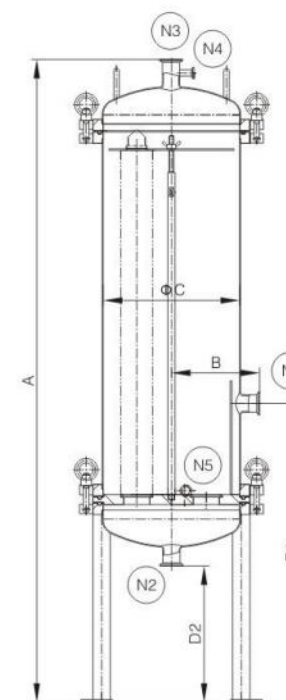
- 超高的抛光等级，内壁采用达到 $0.3\mu\text{m}$ ，外壁达到 $0.4\mu\text{m}$ ，绝对卫生级抛光。
- 处理流量大，紧凑设计节约空间。
- 侧进底出的设计确保液体介质可被完全排放，同时采用了正切位出口供选择，使得排污彻底，工人操作方便。
- 15芯以上过滤器壳体可采用转臂+吊环螺栓设计或快开设计，操作方便，经济实用。

Feature

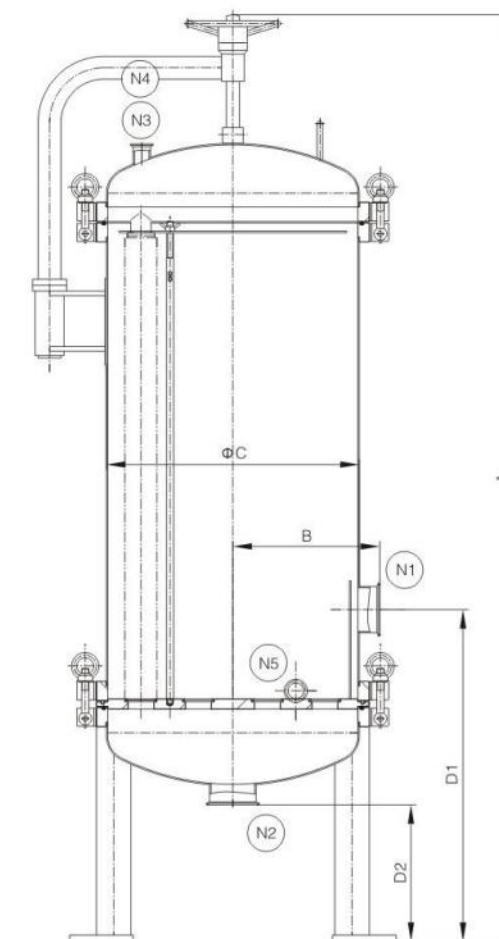
- The ultra high level of polishing, the inner surface polished to $0.3\mu\text{m Ra}$, the outer surface to reach $0.4\mu\text{m}$, the absolute hygienic level polishing.
- Dealing with large flow, compact design saves space
- The design of side in bottom out ensures that the particles can be completely removed. At the same time, tangent outlet makes sewage discharged thoroughly, and workers operate easily.
- For more than 15 cartridges filter housing, the swing arm and eyebolt or quick open are optional design to operate easily. Also it is a economical and practical design.



常规结构 Structure



精密液体过滤器(滤芯数量 ≤ 12 芯)
滤芯型号为30°滤芯(左图示)
Precision Liquid Filter(cartridge quantity ≤ 12 pcs)
Cartridge model 30° (left picture)



带转臂精密液体过滤器(滤芯数量 ≥ 15 芯)
滤芯型号为40°滤芯(右图示)
With rotary precision liquid filter(cartridge quantity ≥ 15 pcs)
Cartridge model 40° (right picture)

典型的应用

- 医药行业：各种抗菌素等药液的过滤。
- 食品饮料业：酒类、矿泉水、饮用水的过滤。
- 石油工业：油田注水过滤。
- 电子工业：高纯水过滤。
- 化学工业：各种有机溶剂、酸、碱液的过滤。

Application

- Pharmaceutical industry: all kinds of antibiotics and other liquid filtration.
- Food and beverage industry: wine, mineral water, drinking water filtration.
- Oil industry: oil field water injection filtration.
- Electronics industry: high purity water filtration.
- Chemical industry: all kinds of organic solvent, acid, lye filtration.

SWJM

精密液体过滤器

Precision Liquid Filter

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150℃
灭菌 Disinfect	在线或蒸汽灭菌：121℃/30min Online or steam sterilization： 121℃/30min

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304、316L
吊环螺栓 Eyebolt	304
支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

表面处理 Surface Finish

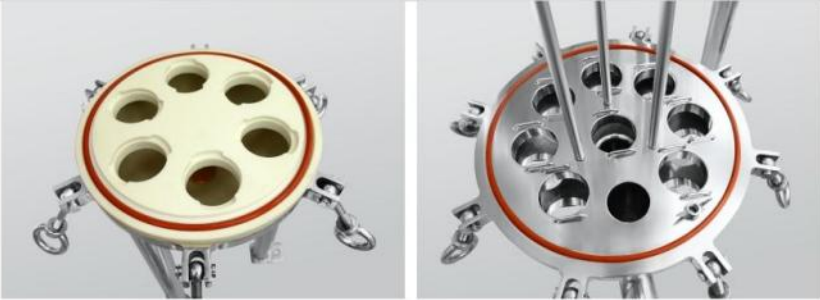
处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical / Electrolytical polishing Sand blasting
抛光精度 Polishing precision	内壁 0.3 μm Inner surface Ra≤0.3 μm 外壁 0.4 μm Outside surface Ra≤0.4 μm

连接 Connection

壳体连接 Connection of shell	法兰(吊环螺栓) Flange (Eyebolt)
进出口N1、N2 In-outlet	快装 Tri-clamp
压力表N3(选配) N3 Pressure gauge (option)	1.5"快接 Tri-clamp
排气阀N4(选配) N4Vent valve (option)	1/2"快装(12芯以下) 1/2"Tri-clamp (less than 12pcs) 1.5"快装(15芯以上) 1.5"Tri-clamp (more than 15pcs)
排液阀N5(选配) N5 Drain valve (option)	1/2"快装(3芯)1/2" Tri-clamp(3R) 3/4"快装(5芯到12芯) 3/4" Tri-clamp(5pcs to12pcs) 1"快装(15芯以上) 1" Tri-clamp(more than 15pcs)
滤芯接头形式 Cartridges connection	222型、226型 222type, 226type

SWJM 选型表 Selection Table

[滤芯数量 Qty. of cartridge]		[滤芯型号 Model of cartridge]	[滤芯接头 Cartridges connection]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
12R		20	S	4	K	E
3R=3芯 Pcs	21R=21芯 Pcs	20=20" 滤芯 Cartridge	S=226型 Type	4= 304	K=快装 Tri-clamp	E=三元乙丙橡胶 EPDM
5R=5芯 Pcs	24R=24芯 Pcs	30=30" 滤芯 Cartridge	T=222型 Type	6= 316L		P=聚四氟乙烯 PTFE
7R=7芯 Pcs	36R=36芯 Pcs	40=40" 滤芯 Cartridge		D=双相钢Duplex SS		V=氟橡胶 Viton
8R=8芯 Pcs	42R=42芯 Pcs			T=钛材Titanium		S=硅橡胶 Silicone
9R=9芯 Pcs	48R=48芯 Pcs			H=哈氏合金Hastelloy		
12R=12芯 Pcs	56R=56芯 Pcs					
15R=15芯 Pcs						



尺寸参数表 Dimension Parameters

	3芯(4芯) 3R(4R)			5芯(6芯) 5R(6R)		
	20"	30"	40"	20"	30"	40"
A: 总高(不含压力表) Total height	1123	1373	1623	1145	1395	1645
B: 进口中心距 The distance from inlet to center	142			165		
C: 直径 Shell diameter	Φ204			Φ250		
D1: 进口N1离地高度 D1: The height from inlet to ground	540			660		
D2: 出口N2离地高度 D2: The height from outlet to ground	300			300		
N1、N2: 进出口尺寸 In-outlet N1、N2 size	1.5"/2"			1.5"/2"/2.5"		
	7芯(7R)			8芯(8R)		
	20"	30"	40"	20"	30"	40"
	1145	1395	1645	1170	1420	1670
	176.5			190		
	Φ273			Φ300		
	660			660		
	300			300		
	1.5"/2"/2.5"			1.5"/2"/2.5"/3"		
	9芯(10芯) 9R(10R)			12芯(11芯) 12R(11R)		
	20"	30"	40"	20"	30"	40"
	1170	1420	1670	1170	1420	1670
	202.5			215		
	Φ325			Φ350		
	660			660		
	300			300		
	1.5"/2"/2.5"/3"			1.5"/2"/2.5"/3"		
	15芯(18芯) 15R(18R)	21芯 (21R)	24芯(27(30芯) 24R(27(30R)	36芯 (36R)	42芯 (42R)	48芯(54芯) 48R(54R)
	40"	40"	40"	40"	40"	40"
	1947	1959	2026	2036	2044	2067
	240	265	290	315	340	365
	Φ400	Φ450	Φ500	Φ550	Φ600	Φ650
	682	694	714	729	734	744
	300			300		
	3"/3.5"/4"			3"/3.5"/4"		

上表数据为标准型，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWDG 单芯工业级液体过滤器 Casting Single Cartridge Filter

铸造式，易更换，单芯过滤器
Casting type, easy to replace,
single round filter

- SWDG单芯工业级液体过滤器，顶部采用一体式铸造式结构，采用上进上出设计，配以转接头，可以直接连接到管路上，安装极其方便。
- 滤筒采用卫生级滤筒，抛光精度 $Ra < 0.6\mu m$ ，适用于各类过滤要求。
- SWDG单芯工业级液体过滤器采用极其紧凑的结构设计，顶部可以固定在管路上；换芯时，只需将滤筒打开即可，整个过程无料液渗出。
- 底部配以排液阀，方便料液的排放。
- SWDG Single Fluid Industrial Filter adopts the integrated casting top structure. Based on top in top out design, with the adaptor, it can be directly connected to the pipeline, the installation is extremely easy.
- The filter housing is sanitary grade, polishing precision $Ra < 0.6\mu m$ suitable for many kinds of filter requirements
- SWDG Single Fluid Industrial Filter adopts very compact structure design, and the top can be fixed in the pipeline. When you exchange the cartridges, just open the filter housing. There is no liquid leakage in whole process.
- Drain valve at the bottom is convenient for operator to discharge liquid.



产品特色

- 上进上出，可直接连接到管路上。
- 更换滤芯简便，无料液渗出。
- 底部装有排液阀，方便排液。
- 安全的密封性设计。

典型的应用

- 水处理：各种水质的过滤。
- 食品饮料业：酒类、矿泉水、饮用水的过滤。
- 化学工业：各种有机溶剂、酸、碱液的过滤。

Feature

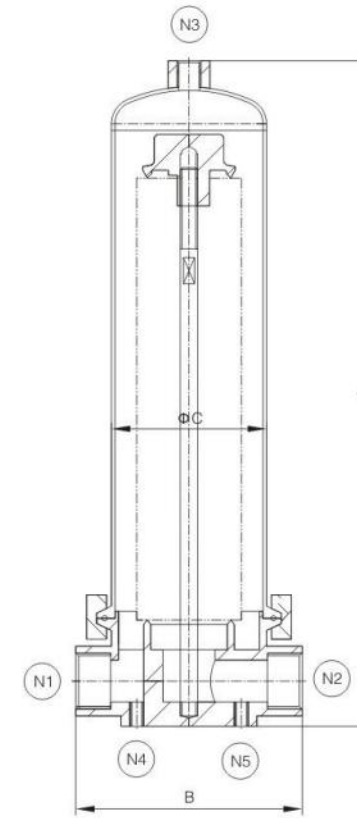
- The filter is top entry & top out structure , Can be directly connected to the pipeline.
- It's easy to change cartridge, and no liquid leakage.
- Drain valve at the bottom. It's convenient for operator to discharge liquid.
- Safety seal design.

Application

- Water Finish: all kinds of water filtration.
- Food & beverage: wine, mineral water, drinking water filtration.
- Chemical industry: all kinds of organic solvents, acid, alkali, filtration.



常规结构 Structure



单芯工业级液体过滤器(DOE型)
Single fluid industrial filter(DOE type)

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperature	150°C

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304、316L、Duplex SS, Titanium, Hastelloy
排液阀 Drain valve	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	快装、螺纹 Quick-open, screw thread
进出口N1、N2 In-outlet	1"螺纹 1" thread
压力表N3(选配) N3 Pressure gauge (option)	1/4"螺纹 1/4"thread
排气阀N4(选配) N4Vent valve (option)	1/4"螺纹 1/4"thread
滤芯接头形式 Cartridges connection	DOE型 DOE Type

表面处理 Surface Finish

处理类型 Finish type	基座：铸造 筒体：机械抛光、电解抛光、喷砂 Base: Cast Shell: Mechanical/electrolytic polishing, sand blasting
抛光精度 Polishing precision	内壁 $0.6\mu m$ Inner surface $Ra \leq 0.3\mu m$ 外壁 $0.8\mu m$ Outside surface $Ra \leq 0.4\mu m$

尺寸参数表 Dimension Parameters

	1芯 (1R)		
	10"	20"	30"
A: 总高(不含压力表) Total height	382	632	982
B: 进口中心距 The distance from inlet to center		110	
C: 直径 Shell diameter		$\Phi 101.6$	
进出口 In-outlet N1、N2尺寸 Size	1" 螺纹 Thread		

上表数据为标准型，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWDG 选型表 Selection Table

[滤芯数量 Qty. of cartridge]	[滤芯型号 Model of cartridge]	[滤芯接头 Cartridges connection]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
1R	20	D	4	K	E
1R=1芯 Pcs	10=10" 滤芯 Cartridge	D=DOE型 Type	4= 304	L=螺纹 Thread	E=三元乙丙橡胶 EPDM
	20=20" 滤芯 Cartridge		6= 316L		P=聚四氟乙烯 PTFE
	30=30" 滤芯 Cartridge		D=双相钢 Duplex SS		V=氟橡胶 Viton
	40=40" 滤芯 Cartridge		T=钛材 Titanium		S=硅橡胶 Silicone
			H=哈氏合金 Hastelloy		

SWSF 工业级精密过滤器 Industrial Grade Precision Liquid Filter

大流量的工业级过滤器
High flow industrial-grade filter



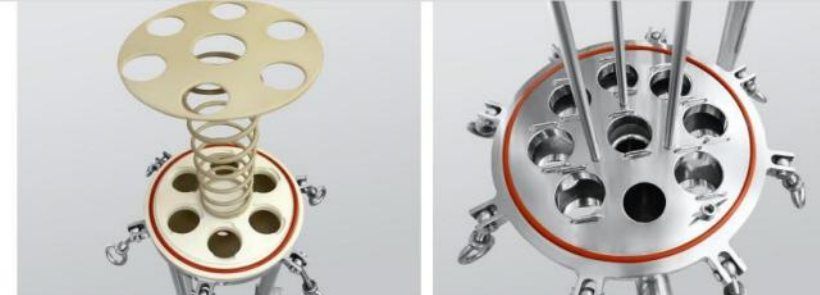
- SWSF工业级精密过滤器是专门为工业过滤领域所设计的精密过滤器，可广泛应用于各类化工料液中，满足不同大小的流量要求。
- 采用侧进下出的流体方式，确保在更换滤芯过程中，料液不会溢出，造成污染；过滤器可做三段式结构，筒体上下开口，花盘可拆卸，实现过滤器全可拆卸，特别适用于个别对清洗要求严格的操作环节。
- SWSF工业级精密过滤器采用多道抛光处理，保证料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求，全镜面抛光，完全可以应用在高精度料液过滤。
- SWSF Industrial Grade Precision Liquid Filter is precision filter which is specially designed for industrial field. It can be applied for various chemical materials and meet the requirements of different flow.
- The filter housing using side entry & bottom out flow method, it ensure that the material liquid does not overflow when replace cartridge in process. The filter housing can be design to three-stage structure, shell can be opened from top and bottom, the filter can be absolutely disassemble. For the application of some very harsh cleaning, the filter can full angle cleaning.
- SWSF Industrial Grade Precision Liquid Filter use many times polishing process, ensure that the material liquid contact surface Ra reached $0.6\mu\text{m}$ close to the sanitary requirement, the filter polished is mirror polished. It can be applied in high precision liquid filtration.

典型的应用

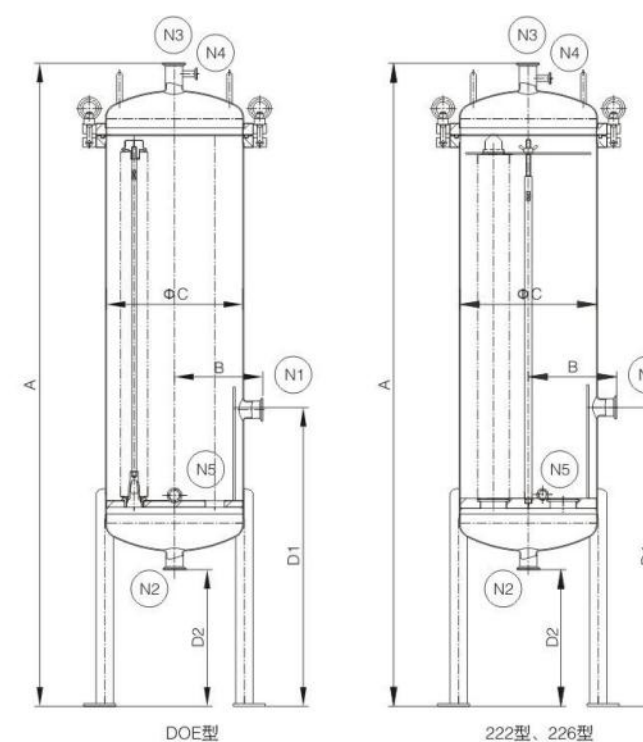
- 水处理：各种水质的过滤。
- 食品饮料业：酒类、矿泉水、饮用水的过滤。
- 化学工业：各种有机溶剂、酸、碱液的过滤。

Application

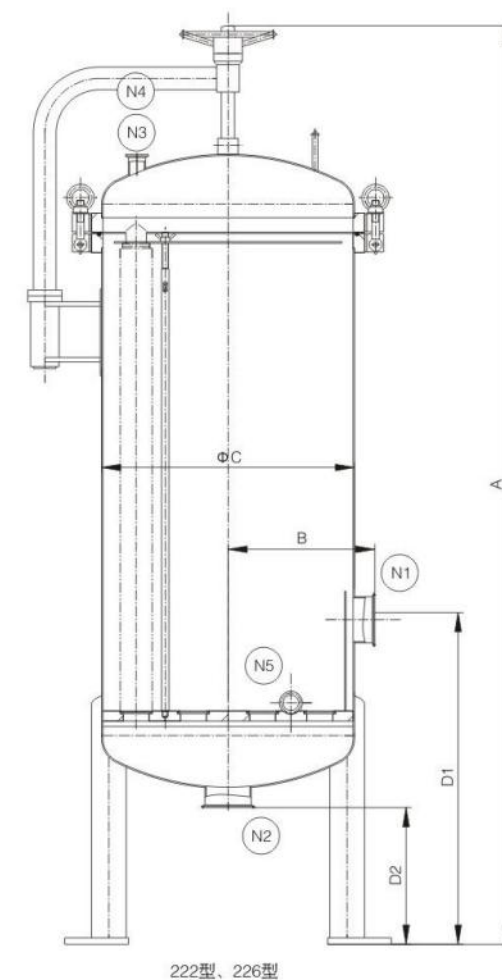
- Water Finish: all kinds of water filtration.
- Food & beverage: wine, mineral water, drinking water filtration.
- Chemical industry: all kinds of organic solvents, acid, alkali, filtration.



常规结构 Structure



工业级精密过滤器(滤芯数量 ≤ 12 芯)
滤芯型号为30°滤芯(左/中图示)
Industrial Grade Precision Liquid Filter (cartridge quantity ≤ 12 pcs)
Cartridge model 30° (middle picture)



工业级精密过滤器(滤芯数量 ≥ 15 芯)
滤芯型号为40°滤芯(右图示)
Industrial Grade Precision Liquid Filter (cartridge quantity ≥ 15 pcs)
Cartridge model 40° (right picture)

产品特点

- 筒体可做成上下开口的形式，即方便更换滤芯，又能实现侧底清洗。
- 过滤器花盘可做成拆卸式，实现侧底清洗。
- 配有双排液口形式，分别在筒体的花盘上部和过滤器的底部，排液方便、侧底。
- 侧进底出的设计确保液体介质可被完全排放，同时采用了正切位出口供选择，使得排污彻底，工人操作方便。
- 15芯以上过滤器壳体可采用转臂+吊环螺栓设计或快开设计，操作方便，经济实用。

Feature

- Filter can be made into the form of top and bottom openings, which is convenient to replace the filter and to clean thoroughly.
- The filter faceplate can be made into a detachable type, to achieve thorough cleaning
- Two drain vents, respectively in the top of the disk and the bottom of the filter, let discharging easy and complete.
- Side in and bottom out, this design ensures that the liquid can be completely discharged. At the same time, tangent outlet makes sewage discharged thoroughly, and workers operate easily.
- For more than 15 cartridges filter housing, the swing arm and eyebolt or quick open are optional design to operate easily. Also it is a economical and practical design.

SWSF

工业级精密过滤器

Industrial Grade Precision Liquid Filter

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304、316L、Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304、316L
吊环螺栓 Eyebolt	304
支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

SWSF 选型表 Selection Table

[滤芯数量 Qty. of cartridge]		[滤芯型号 Model of cartridge]	[滤芯接头 Cartridges connection]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
12R		20	S	4	K	E
3R=3芯 Pcs	21R=21芯 Pcs	20=20" 滤芯 Cartridge	S=226型 Type	4= 304	K=快装 Tri-clamp	E=三元乙丙橡胶 EPDM
5R=5芯 Pcs	24R=24芯 Pcs	30=30" 滤芯 Cartridge	T=222型 Type	6= 316L	E=法兰 Flange	P=聚四氟乙烯 PTFE
7R=7芯 Pcs	36R=36芯 Pcs	40=40" 滤芯 Cartridge	D=DOE型 Type	D=双相钢Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
8R=8芯 Pcs	42R=42芯 Pcs			T=钛材Titanium		S=硅橡胶 Silicone
9R=9芯 Pcs	48R=48芯 Pcs			H=哈氏合金Hastelloy		
12R=12芯 Pcs	56R=56芯 Pcs					
15R=15芯 Pcs						

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光 Mechanical / Electrolytical polishing
抛光精度 Polishing precision	内壁 0.6 μm Inner surface Ra≤0.6 μm 外壁 0.8 μm Outside surface Ra≤0.8 μm

连接 Connection

壳体连接 Connection of shell	法兰(吊环螺栓) Flange (Eyebolt)
进出口N1、N2 In-outlet	快装 Tri-clamp
压力表N3(选配) N3 Pressure gauge (option)	1.5"快接 Tri-clamp
排气阀N4(选配) N4Vent valve (option)	1/2"快装(12芯以下) 1/2"Tri-clamp (less than 12pcs) 1.5"快装(15芯以上) 1.5"Tri-clamp (more than 15pcs)
排液阀N5(选配) N5 Drain valve (option)	1/2"快装(3芯)1/2" Tri-clamp(3R) 3/4"快装(5芯到12芯) 3/4" Tri-clamp(5pcs to12pcs) 1"快装(15芯以上) 1" Tri-clamp(more than 15pcs)
滤芯接头形式 Cartridges connection	222/226型/DOE 222type, 226type, DOE



尺寸参数表 Dimension Parameters

	3芯(4芯) 3R(4R)			5芯(6芯) 5R(6R)		
	20"	30"	40"	20"	30"	40"
A: 总高(不含压力表) Total height	1123	1373	1623	1145	1395	1645
B: 进口中心距 The distance from inlet to center	142			165		
C: 直径 Shell diameter	Φ204			Φ250		
D1: 进口N1离地高度 D1: The height from inlet to ground	540			660		
D2: 出口N2离地高度 D2: The height from outlet to ground	300			300		
N1、N2: 进出口尺寸 In-outlet N1、N2 size	1.5"/2"			1.5"/2"/2.5"		
	7芯(7R)			8芯(8R)		
	20"	30"	40"	20"	30"	40"
	1145	1395	1645	1170	1420	1670
	176.5			190		
	Φ273			Φ300		
	660			660		
	300			300		
	1.5"/2"/2.5"			1.5"/2"/2.5"/3"		
	9芯(10芯) 9R(10R)			12芯(11芯) 12R(11R)		
	20"	30"	40"	20"	30"	40"
	1170	1420	1670	1170	1420	1670
	202.5			215		
	Φ325			Φ350		
	660			660		
	300			300		
	1.5"/2"/2.5"/3"			1.5"/2"/2.5"/3"		
	15芯(18芯) 15R(18R)	21芯 (21R)	24芯(27/30芯) 24R(27/30R)	36芯 (36R)	42芯 (42R)	48芯(54芯) 48R(54R)
	40"	40"	40"	40"	40"	40"
	1947	1959	2026	2036	2044	2067
	240	265	290	315	340	365
	Φ400	Φ450	Φ500	Φ550	Φ600	Φ650
	682	694	714	729	734	744
	300			300		
	3"/3.5"/4"			3"/3.5"/4"		

上表数据为标准型222型、226型工业级精密过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWHF 大流量液体过滤器 Large Flow Liquid Filter

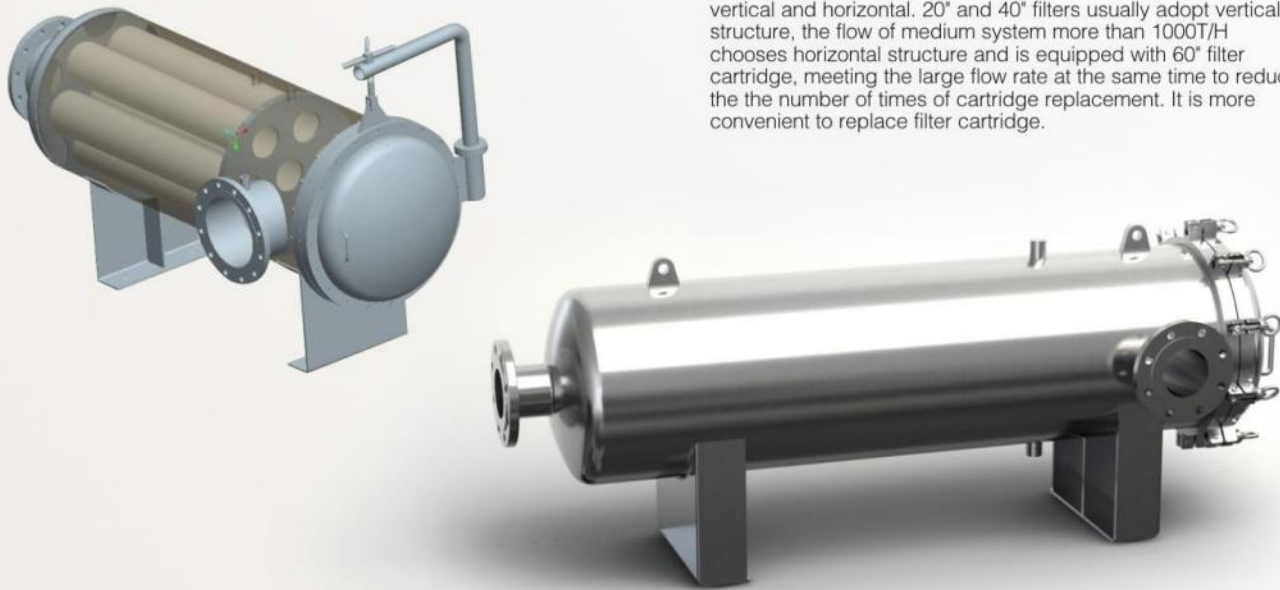
超大流量工业级过滤器 Super large industrial-Grade Filter

典型的应用

- 流量较大的场合，特别是水处理领域。

Application

- Mainly used in some large flow situation, especially water treatment field



产品特点

- 流量大、占地面积小、效率高。
- 304和316L两种不锈钢可供选择，良好的耐腐蚀性能，能满足各领域要求。
- 立式和卧式两种结构可供选择。

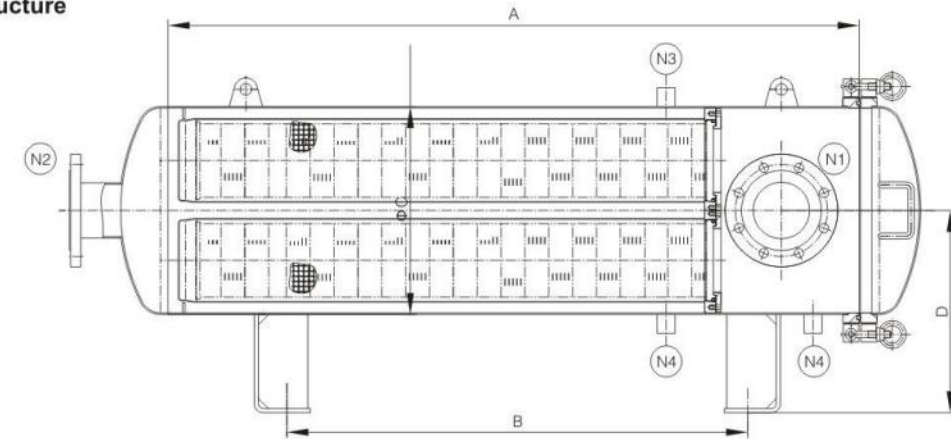
- SWHF大流量液体过滤器，又名JTGHF大胖过滤器是针对大口径和高流速的管道而开发，适用于高通量的工况，其芯件采用折叠式大流量滤芯，相当于传统普通冲孔滤芯和棒式折叠式滤芯多倍面积；其大于50%的开孔率与直通式结构，组合出最大的流量和最小的压差，大大降低了总体的尺寸和重量，从而减少了投资成本及运行成本，也降低滤芯更换的频率，节约了劳动力资源。
- SWHF大流量液体过滤器分立式和卧式两种，常规20°、40°滤芯的过滤器通常采用立式结构；超过1000吨/小时流量的中大系统，选择卧式结构，并配备60°的滤芯使用，满足大流量的同时，降低滤芯更换次数，更换滤芯更方便。
- SWHF industrial-grade liquid filter is mainly used in some larger flow situation, especially water treatment field. JTGHF big flow liquid filter characterizes of big connect size, high flux and small occupation area. It can effectively solve the traditional filter problem high costs input, the long replacement time, trouble operation and so on.
- SWHF big flow liquid filter have two installation types like vertical and horizontal. 20° and 40° filters usually adopt vertical structure, the flow of medium system more than 1000T/H chooses horizontal structure and is equipped with 60° filter cartridge, meeting the large flow rate at the same time to reduce the the number of times of cartridge replacement. It is more convenient to replace filter cartridge.

Feature

- Super large flow, small occupation area, high efficiency.
- 304 and 316 L stainless steel are available, good corrosion resistance, meeting the requirements of various fields.
- Vertical and horizontal structures can be chose.



常规结构 Structure



大流量液体过滤器(大胖过滤器) Large flow liquid filter

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150°C

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304、316L
吊环螺栓 Eyebolt	304
支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光 Mechanical / Electrolytical polishing
抛光精度 Polishing precision	内壁 0.3 μm Inner surface Ra≤0.6 μm 外壁 0.4 μm Outside surface Ra≤0.8 μm

连接 Connection

壳体连接 Connection of shell	法兰 Flange
进出口N1、N2 In-outlet	快装、法兰 Flange, Tri-clamp
压力表N3(选配) N3 Pressure gauge (option)	G3/4"螺纹 Thread
排气阀N4(选配) N4Vent valve (option)	G 1/2"螺纹 Thread

尺寸参数表 Dimension Parameters

	1芯 (1R)			2芯 (2R)		
	20°	40°	60°	20°	30°	40°
A: 壳体长度(不含封头) Shell length (exclude head)	700	1200	1700	800	1300	1800
B: 支座固定螺栓孔中心距 Support center distance	300	600	900	400	700	1000
C: 直径 Shell diameter	Φ 230			Φ 400		
D: 进出口N1、N2离地高度 The height form In-outlet N1, N2	355			395		
进出口N1、N2尺寸 In-outlet N1、N2 size	2"/2.5"/3"			3"/4"/5"		

上表数据为标准型大流量液体过滤器(卧式)，可根据客户要求定制，未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWHF 选型表 Selection Table

[结构形式 Type of construction]	[滤芯数量 Qty. of cartridge]	[滤芯型号 Model of Bag Filter]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
L	2R	20	4	K	E
L=立式 Vertical	1R=1芯 Pcs	20=20° 滤芯 Cartridge	4= 304	K=快装 Tri-clamp	E=三元乙丙橡胶 EPDM
W=卧式 Horizontal	2R=2芯 Pcs	40=40° 滤芯 Cartridge	6= 316L	E=法兰 Flange	P=聚四氟乙烯 PTFE
	3R=3芯 Pcs	60=60° 滤芯 Cartridge	D=双相钢 Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
	4R=4芯 Pcs		T=钛材 Titanium		S=硅橡胶 Silicone
	5R=5芯 Pcs		H=哈氏合金 Hastelloy		

SWRP
保安过滤器
Security Filter水处理过滤器
Water treatment precision filter

- SWRP保安过滤器是专门为水处理领域所设计的保安过滤器。
- SWRP保安过滤器采用多道抛光处理, 保证料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求, 全镜面抛光, 完全可以应用在高精度料液过滤。
- SWRP Security Filter is mainly designed for water treatment field.
- SWRP Security Filter Housing using multiple polishing process, ensures that the surface Ra reaching $0.6\mu\text{m}$ up to the sanitary grade requirement, the filter surface is mirror polished. It can be applied in high precised liquid filtration.

典型的应用

- 水处理: 用于民生生活饮用水过滤R.O逆渗透过滤。
- 食品饮料业: 酒类、矿泉水、饮用水的过滤。

Application

- Water Finish: R.O reverse osmosis filtration for drinking water.
- Food and beverage industry: wine, mineral water, drinking water filtration.

产品特点

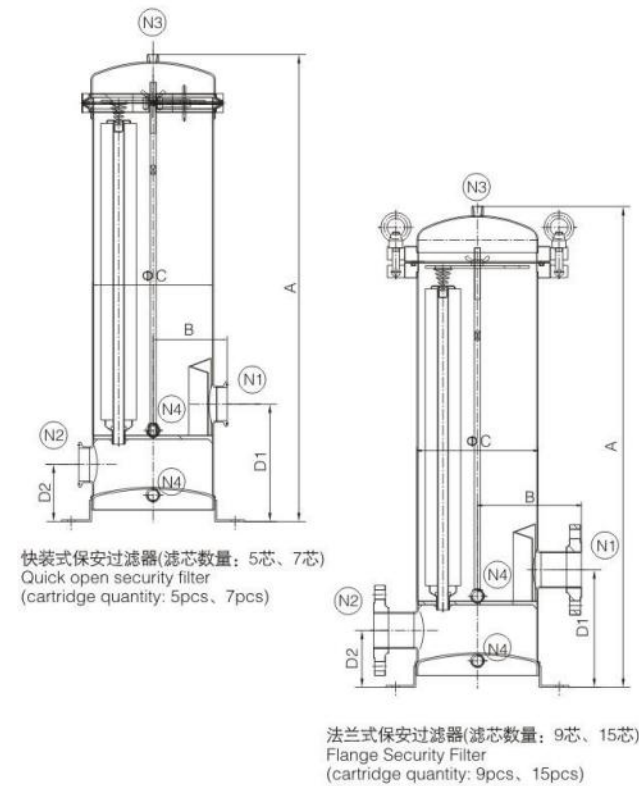
- 筒体内外表面采用镜面抛光, 料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求。
- 采用花盘上下排水阀形式, 排水方便快捷。
- 滤芯密封面采用弹簧式密封, 操作方便。

Feature

- The material liquid contact surface Ra reaching $0.6\mu\text{m}$ closes to the sanitary grade requirement.
- The filter housing has top and bottom drain valve which drain liquid conveniently and quickly.
- Cartridge sealing surface uses spring type sealing. It's easy to Operate.



常规结构 Structure



操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa
最大操作温度 Max operating temperature	140℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304、316L、Duplex SS, Titanium, Hastelloy
排液阀 Vent/ Drain valve	304、316L
吊环螺栓 Eyebolt	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	快装、法兰(吊环螺栓) Tri-clamp, Flange(Eyebolt)
进出口N1、N2 In-outlet	法兰/快装螺纹 Flange, Tri-clamp, Thread
压力表N3(选配) N3 Pressure gauge (option)	1.5"快装 Tri-clamp
排气阀N4(选配) N4Vent valve (option)	1" 快装、螺纹 Tri-clamp, Thread
滤芯接头形式 Cartridges connection	DOE型、222型 DOE Type, 222 Type

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical/electrolytical polishing, sand blasting
抛光精度 Polishing precision	内壁 $0.6\mu\text{m}$ Inner surface $Ra \leq 0.6\mu\text{m}$ 外壁 $0.8\mu\text{m}$ Outside surface $Ra \leq 0.8\mu\text{m}$

尺寸参数表 Dimension Parameters

	5芯(4芯) 5R(4R)				7芯 7R		
	10"	20"	30"	40"	20"	30"	40"
A: 总高(不含压力表) Total height	570	820	1070	1320	820	1070	1320
B: 进口中心距 The distance from inlet to center	175(法兰) Flange, 125(快装) Tri-clamp, 130(螺纹) Thread				190(法兰) Flange, 140(快装) Tri-clamp, 145(螺纹) Thread		
C: 直径 Shell diameter	$\Phi 204$				$\Phi 235$		
D1: 进口N1离地高度 The height from inlet to ground	178				178		
D2: 出口N2离地高度 The height from outlet to ground	76				76		
N1、N2: 进出口尺寸 In-outlet N1、N2 size	2"				2"		

上表数据为标准型快装式保安过滤器, 仅供参考, 可根据客户要求定制; 未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWRP 选型表 Selection Table

[滤芯数量 Qty. of cartridge]	[滤芯型号 Model of cartridge]	[滤芯接头 Cartridges connection]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
7R	20	T	4	L	E
5R=5芯(4芯) Pcs	10=10" 滤芯 Cartridge	T=222型 Type	4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
7R=7芯 Pcs	20=20" 滤芯 Cartridge	D=DOE型 Type	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
9R=9芯 Pcs	30=30" 滤芯 Cartridge		D=双相钢Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
15R=15芯 Pcs	40=40" 滤芯 Cartridge		T=钛材Titanium		S=硅橡胶 Silicone
			H=哈氏合金Hastelloy		

SWYB 翻转钛棒过滤器 Swing Titanium Rod Fluid Filter

固液分离过滤器
Solid-liquid separation filter

- SWYB翻转钛棒过滤器，特别为固体杂质含量较高的料液场合设计。配合金属钛滤芯或不锈钢滤芯，可实现良好的固液分离效果；筒身可180° 翻转，可将滤芯外部的固体杂质颗粒侧底排尽。
- 筒体全部采用优质304或316L不锈钢材料制造，筒体采用法兰连接方式；一般用于粗滤或中间过滤。
- 翻转钛棒过滤器能除去清水中的异色，异味和汞、铅、镉、锌、铁、锰、铬等重金属物质，还可去除清水中的砷、氢化物、硫化物、余氯等高分子化合物及锶、镭等放射性物质，除去和杀死水中的细菌和大肠杆菌以及其它致癌物质；广泛食品饮料、制药、化工等行业的固液分离，在制药行业尤其适用于输液针剂生产线中的脱炭过滤。
- SWYB Swing Fluid Filter Housing is specially designed for the material liquid with high solid content of impurities. With metal titanium cartridge or stainless steel cartridge, it can achieve a excellent effect of solid liquid separation. The filter shell can turn 180 ° , the solid impurity on the outside surface of cartridge can be drained completely.
- The filter are all made of high quality 304 or 316L stainless steel materials. The whole shell is connected by flange. Swing type filter mainly used in industrial field decarburization filtration and the high oxidizing solution filtration .
- For water treatment The titanium filter can remove heavy metals like heterochromatic impurity, odor, mercury, lead, cadmium, zinc, iron, manganese and chrome and remove polymers like arsenic, hydride, sulfide, chlorine and other radioactive substances like strontium, radium. What's more, it can remove and kill bacteria and Escherichia coli, and other cancer-causing substances in the water.



产品特色

- 筒身可180° 翻转，可将滤芯外部的固体杂质颗粒侧底排尽。
- 花盘可拆卸，实现侧底清洗。
- 过滤器壳底部可设置轮子，方便移动。
- 钛棒滤芯，具有耐高温、高压、强酸、强碱、耐腐蚀，通过冲洗或酸碱浸泡后可反复再生使用。

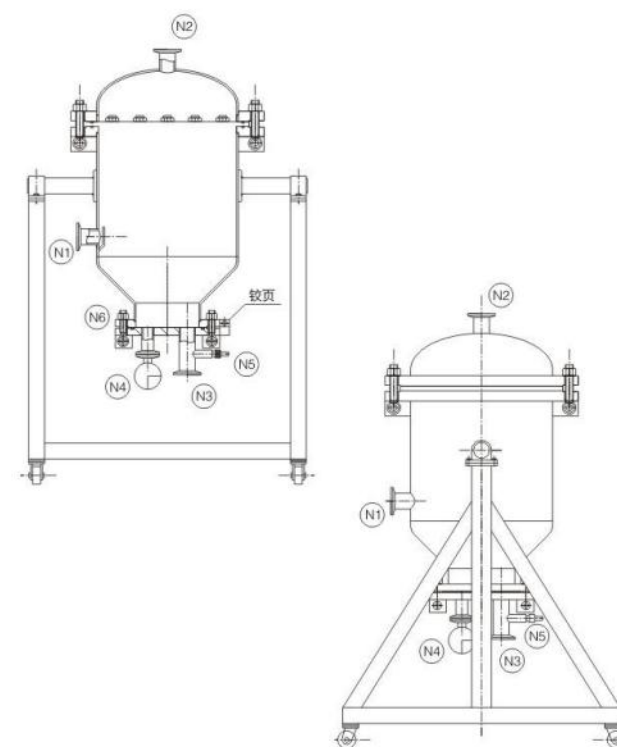
Feature

- The filter shell can turn 180 ° , the solid impurity particles of the cartridge external can be drained completely.
- The filter faceplate can be made into a detachable type, to achieve thorough cleaning.
- We can add wheels at the bottom of the filter shell, convenient to move.
- Titanium rod cartridge has high temperature, high pressure resistance, strong acid, strong alkali, corrosion resistance, it can be used repeatedly after washing or soaking by acid and alkali.

典型的应用

- 电子工业：电子、微电子、半导体工业用水等过滤。
- 医药工业：原料药、溶剂性药液、物料的脱碳过滤等过滤。
- 化学工业：有机溶剂、化学试剂、液体原料、催化剂等过滤。
- 食品工业：啤酒、饮料、矿泉水、植物油、酱油、醋等过滤。
- 炼油工业：油田回流水过滤、海水淡化领域反渗透前的保安过滤。

常规结构 Structure



翻转钛棒过滤器
Swing titanium rod fluid filter

SWYB 选型表 Selection Table

[钛棒滤芯数量 Qty. Of Titanium cartridge]	[滤芯型号 Model of cartridge]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
5T	20	4	K	E
3T=3芯Pcs	10=10" 滤芯 Cartridge	4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
5T=5芯 Pcs	20=20" 滤芯 Cartridge	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
9T=9芯 Pcs	30=30" 滤芯 Cartridge	D=双相钢Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
	40=40" 滤芯 Cartridge	T=钛材Titanium		S=硅橡胶 Silicone
		H=哈氏合金Hastelloy		

Application

- Electronics industry: electronic, microelectronics, semiconductor industry water filtration.
- Pharmaceutical industry: pharmaceutical raw materials, solvent liquid medicine, decarbonize material filtration.
- Chemical industry: organic solvents, chemical reagents, liquid raw materials, catalysts, etc. filtration.
- Food industry: beer, beverage, mineral water, vegetable oil, soy sauce, vinegar, etc.filtration.
- Oil refining industry: oilfield reflux water filtration, industry filtration before reverse osmosis desalination field.

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa
最大操作温度 Max operating temperature	200℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304、316L
吊环螺栓 Eyebolt	304
支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	法兰(吊环螺栓) Flange(Eyebolt)
进出口N1、N2 In-outlet	快装/法兰/螺纹 Tri-clamp, Flange, Thread
排污阀N3 N3 Drain valve(option)	快装 Tri-clamp
压力表N4(选配) N4 Pressure gauge (option)	快装 Tri-clamp
排气阀N5(选配) N5Vent valve (option)	螺纹 Thread
排渣阀N6 N6 Discharge valve	快开法兰带铰链 Quick opening flange with hinges

表面处理 Surface Finish

处理类型 Finish type	机械抛光 Mechanical polishing
抛光精度 Polishing precision	内壁 0.4 μm Inner surface Ra≤0.4 μm 外壁 0.4 μm Outside surface Ra≤0.6 μm

SWTB 金属精密过滤器 Metal Precision Cartridge Filter

金属粉末反冲洗过滤器 Metal powder back flush filter housing

- SWTB金属精密过滤器，适合过滤高温高压、高固含量的物料。过滤器采用反吹清洗方式，可连续自动化操作，避免了频繁的人工清洗和不必要的停车；且最大化减少了滤芯及残渣对环境造成的污染。
- 金属精密过滤器能除去清水中的异色，异味和汞、铅、镉、锌、铁、锰、铬等重金属物质，还可去除清水中的砷、氢化物、硫化物、余氯等高分子化合物及镭、镭等放射性物质，除去和杀死水中的细菌和大肠杆菌以及其它致癌物质；广泛食品饮料、制药、化工等行业的固液分离，在制药行业尤其适用于输液针剂生产线中的脱炭过滤。
- SWTB Metal precision filter, suitable for filtering the high temperature and high pressure, high solid content of the material. Filter using reverse cleaning method, can be continuous automation, to avoid the frequent manual cleaning and unnecessary parking; And maximal decrease the pollution of filter material and the residual liquid to the environment.
- Metal precision filter can remove water in different color, odor and mercury, lead, cadmium, zinc, iron, manganese, chromium, and other heavy metal material, also can remove the arsenic in the water, and hydride, sulphide, residual chlorine and other high molecular compound and strontium, radium and other radioactive substances, remove and kill the bacteria and e. coli and other carcinogens in the water. Food and beverage, pharmaceutical, chemical and other industries of solid-liquid separation, especially in the pharmaceutical industry is suitable for the decarburization filtration of transfusion injection production line.

产品特色

- 金属滤芯，主要钛棒滤芯，具有耐高温、高压、强酸、强碱、耐腐蚀，通过冲洗或酸碱浸泡后可反复再生使用。

典型的应用

- 电子工业：电子、微电子、半导体工业用水等过滤。
- 医药工业：原料药、溶剂性药液、物料的脱碳过滤等过滤。
- 化学工业：有机溶剂、化学试剂、液体原料、催化剂等过滤。
- 食品工业：啤酒、饮料、矿泉水、植物油、酱油、醋等过滤。
- 炼油工业：油田回流水过滤、海水淡化领域反渗透前的保安过滤。



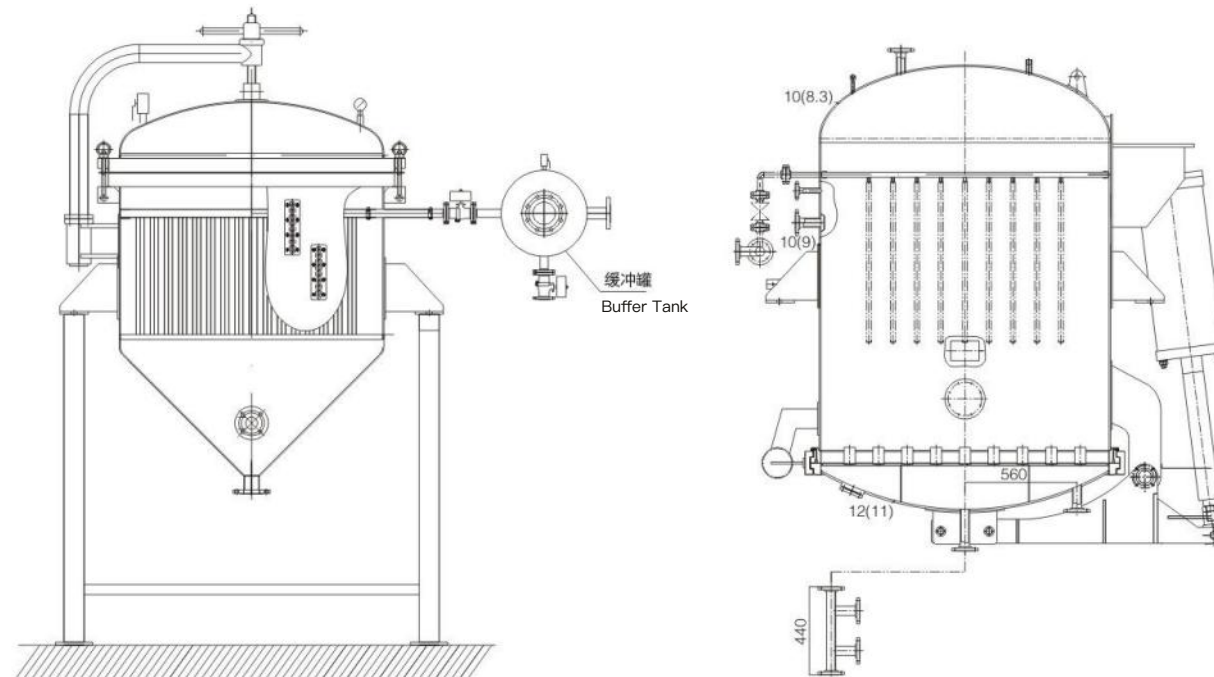
Feature

- Metal filter cartridge, mainly Titanium rod cartridge has high temperature, high pressure resistance, strong acid, strong alkali, corrosion resistance, it can be used repeatedly after washing or soaking by acid and alkali

Application

- Electronics industry: electronic, microelectronics, semiconductor industry water filtration.
- Pharmaceutical industry: pharmaceutical raw materials, solvent liquid medicine, decarbonize material filtration.
- Chemical industry: organic solvents, chemical reagents, liquid raw materials, catalysts, etc. filtration.
- Food industry: beer, beverage, mineral water, vegetable oil, soy sauce, vinegar, etc. filtration.
- Oil refining industry: oilfield reflux water filtration, industry filtration before reverse osmosis desalination field.

常规结构 Structure



金属精密过滤器 Metal precision filter housing

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa
最大操作温度 Max operating temperature	200℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304、316L
吊环螺栓 Eyebolt	304
支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

表面处理 Surface Finish

处理类型 Finish type	机械抛光 Mechanical polishing
抛光精度 Polishing precision	内壁 0.4 μm Inner surface Ra ≤ 0.4 μm 外壁 0.4 μm Outside surface Ra ≤ 0.6 μm

连接 Connection

壳体连接 Connection of shell	法兰(吊环螺栓) Flange(Eyebolt)
进出口 In-outlet	快装/法兰/螺纹 Tri-clamp, Flange, Thread
排污阀 Drain valve	快装 Tri-clamp
压力表(选配) Pressure gauge (option)	螺纹、快装 Thread, Tri-clamp
排气阀 Vent valve	螺纹 Thread
排渣 Slagging	气动控制自锁型排渣门、快装 Pneumatic control self-locking type discharge door, quick loading

SWTB 选型表 Selection Table

[壳体直径 Diameter of shell]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
1000T	4	K	S
1000T = 直径 φ1000 钛棒过滤 (下同) 1000T = Diameter φ1000 Titanium Rod Filter (same below)	4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
1300T	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
1800T	D=双相钢 Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
2500T	T=钛材 Titanium		S=硅橡胶 Silicone
	H=哈氏合金 Hastelloy		

SWLL 篮式过滤器 Basket Strainer

滤网式管道过滤器
Mesh type pipe filter



- SWLL 篮式过滤器，是一种较大型的管道过滤器，滤网的过滤面积是通径管道面积的2~3倍，适用于杂质含量最高，流量大的物料中。
- SWLL 篮式过滤器采用多道抛光处理，保证料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求，全镜面抛光。
- SWLL Basket Filter is a larger pipe filter. The area of mesh filtration is 2 ~ 3 times than the area of pipe diameter. It is suitable for the material with the highest content of impurities and the large amount of circulation.
- SWLL Basket Filter using multiple polishing process ensures that the surface Ra reaching $0.6\mu\text{m}$ up to the sanitary grade requirement, the filter surface is mirror polished.

产品特色

- 筒体内外表面采用镜面抛光，料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求。
- 过滤器壳体可采用吊环螺栓连接或快装连接，操作方便，经济实用。

典型的应用

- 各种液体的颗粒过滤。
- 化工厂过滤。

Feature

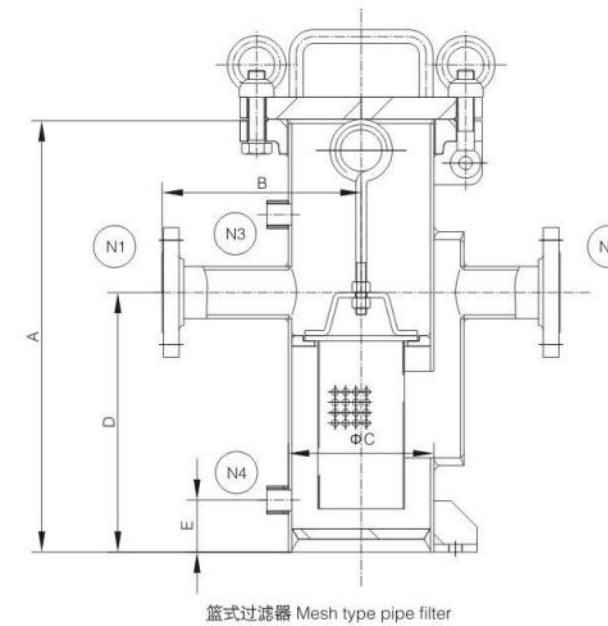
- Inner and outside surface is all mirror polished ensuring that the material liquid contact surface Ra reaches $0.6\mu\text{m}$ up to the sanitary grade requirement.
- Filter housing can use Eyebolt connection or quick-open connection, which is convenient for operation. Also it is a economical and practical design wich is convenient for operation and economical and practical.

Application

- All kinds of particle filtration of liquid.
- Chemical filtration.



常规结构 Structure



操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperature	140℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304、316L
吊环螺栓 Eyebolt	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	快装、法兰(吊环螺栓) Tri-clamp, Flange(Eyebolt)
进出口N1、N2 In-outlet	法兰/快装/螺纹 Flange, Tri-clamp, Thread
排气阀N3(选配) N3 Vent valve (option)	3/4"外螺纹 Male thread
排液阀N4(选配) N4 Drain valve(option)	1"外螺纹 Male thread

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical/electrolytical polishing, sand blasting
抛光精度 Polishing precision	内壁 $0.6\mu\text{m}$ Inner surface $Ra \leq 0.6\mu\text{m}$ 外壁 $0.8\mu\text{m}$ Outside surface $Ra \leq 0.8\mu\text{m}$

尺寸参数表 Dimension Parameters

	1 篮 L 1 Basket			
	进出口2" In-outlet 2"	进出口3" In-outlet 3"	进出口4" In-outlet 4"	进出口5" In-outlet 5"
A: 总高(不含滤盖) Total height	500	580	670	830
B: 进口中心距 The distance from inlet to center	230		260	300
C: 直径 Shell diameter	$\Phi 6"$		$\Phi 10"$	$\Phi 14"$
D: 进出口N1、N2离地高度 N1, N2 The height from in-outlet to ground	300	360	430	560
E: 排液口N4离地高度 N4 The height from drain valve to ground	60			

上表数据为标准型篮式过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWLL 选型表 Selection Table

[滤篮数量 Qty. of basket]	[滤篮型号 Model of basket]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
1L	30	4	F	E
1L=1篮 Basket	20=进出口2"对应滤篮(In-outlet 2" filter basket size): $\Phi 100 \times 200$	4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
	30=进出口3"对应滤篮(In-outlet 3" filter basket size): $\Phi 110 \times 250$	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
	40=进出口4"对应滤篮(In-outlet 4" filter basket size): $\Phi 140 \times 300$	D=双相钢Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
	50=进出口5"对应滤篮(In-outlet 5" filter basket size): $\Phi 180 \times 400$	T=钛材Titanium		S=硅橡胶 Silicone
		H=哈氏合金Hastelloy		

SWLF 直立式过滤器 Basket Type Filter

新型篮式过滤器
New basket type filter

- SWLF直立式过滤器是一款除去液体中少量固体颗粒，可保护压缩机，泵，仪表和其它设备正常工作的小型改良篮式过滤器。
- SWLF直立式过滤器采用多道抛光处理，保证料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求，全镜面抛光。
- SWLF Basket Type Filter is a improved small basket strainer which can remove a small amount of solid particles in the liquid, also can protect compressor, pump, instruments and other equipment to work normally.
- SWLF Basket Type Filter adopts multiple polishing processing steps to ensure that the interface Ra reaches to $0.6\mu\text{m}$ up to sanitary grade. All of the surface is mirror polished.

典型的应用

- 各种液体的颗粒过滤。
- 食用油、饮料、酒类的过滤。
- 化工厂过滤。
- 压缩机、泵、仪表和其它设备初过滤和保护作用。

Application

- All kinds of liquid particle filtering.
- Edible oil, beverage, wine filtration.
- Chemical filter.
- Compressors, pumps, instrumentation and other equipment pre-filtering and protection.

产品特点

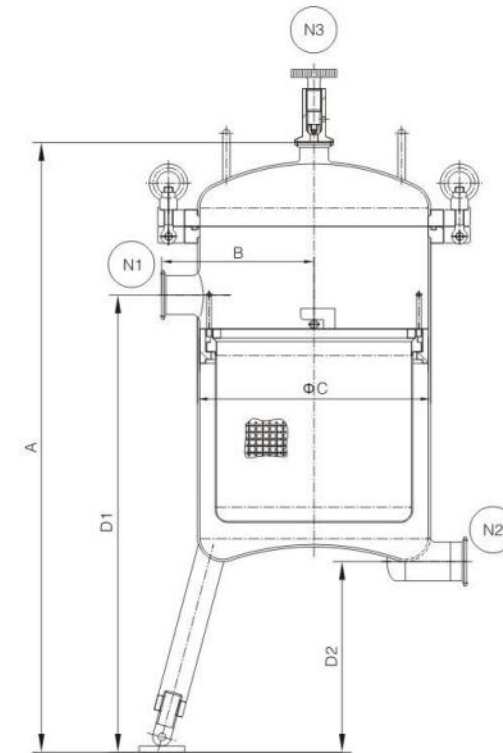
- 筒体内外表面采用镜面抛光，料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求。
- 过滤器壳体可采用吊环螺栓连接或快装连接，操作方便，经济实用。
- 小规格过滤器在支脚底部安装调节螺母，可进行过滤器的高度调节，方便使用。

Feature

- The filter inner and outside surface using mirror polish, interface Ra reaching to $0.6\mu\text{m}$ close to sanitary level.
- Filter shell can use Eyebolt connection or quick-open connection, easy to Operating. Also it is a economical and practical design.
- Small size filters install adjusting screw nut at the bottom of the leg.



常规结构 Structure



直立式过滤器 Basket Type Filter

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperature	150℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排液阀 Vent valve	304、316L
吊环螺栓 Eyebolt	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	法兰(吊环螺栓) Flange(Eyebolt)
进出口N1、N2 In-outlet	快装 Tri-clamp
排气阀N3(选配) N3 Vent valve (option)	1.5"快装 Tri-clamp

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical/electrolytical polishing, sand blasting
抛光精度 Polishing precision	内壁 $0.6\mu\text{m}$ Inner surface $Ra \leq 0.6\mu\text{m}$ 外壁 $0.8\mu\text{m}$ Outside surface $Ra \leq 0.8\mu\text{m}$

尺寸参数表 Dimension Parameters

	1 篮 L 1 Basket		
	16型滤篮 16 Filter basket	25型滤篮 25 Filter basket	40型滤篮 40 Filter basket
A: 总高(不含压力表) Total height	800	1040	1170
B: 进口中心距 The distance from inlet to center	200	235	250
C: 直径 Shell diameter	$\Phi 300$	$\Phi 350$	$\Phi 400$
D1: 进口N1离地高度 The height from inlet to ground	600	800	900
D2: 出口N2离地高度 The height from outlet to ground	250	300	300
进出口N1、N2尺寸 In-outlet N1、N2 size	1.5"/2"/2.5"		

上表数据为标准型直立式过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWLF 选型表 Selection Table

[滤篮型号 Model of basket]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
25	4	K	E
16=过滤面积 0.16m^2 的滤篮(filter area of filter basket is 0.16m^2): $\Phi 256 \times 254$	4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
25=过滤面积 0.25m^2 的滤篮(filter area of filter basket is 0.25m^2): $\Phi 312 \times 375$	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
40=过滤面积 0.40m^2 的滤篮(filter area of filter basket is 0.16m^2): $\Phi 362 \times 444$	D=双相钢 Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
	T=钛材 Titanium		S=硅橡胶 Silicone
	H=哈氏合金 Hastelloy		

SWTF
管式过滤器
Tube Filter高效管道式过滤器
Simple and efficient tube filter

- SWTF管式过滤器是一款除去管道液体中少量固体颗粒，可保护压缩机，泵，仪表和其它设备的正常工作的小型改良高效管道式过滤器。
- SWTF管式过滤器采用多道抛光处理，保证料液接触面Ra达到 $0.4\mu\text{m}$ 接近卫生级要求，全镜面抛光。
- SWTF Tube Filter is a improved small tube strainer which can remove a small amount of solid particles in the liquid, also can protect compressor, pump, instruments and other equipment to work normally.
- SWTF Tube Filter adopts multiple polishing processing steps to ensure that the interface Ra reach to $0.4\mu\text{m}$ close to sanitary level. All of the surface is mirror polished.

产品特色

- 筒体内外表面采用镜面抛光，料液接触面Ra达到 $0.4\mu\text{m}$ 接近卫生级要求。
- 过滤器壳体采用快装连接，操作方便，经济实用。

典型的应用

- 各种液体的颗粒过滤；
- 食用油、饮料、酒类的过滤；
- 化工厂过滤
- 压缩机、泵、仪表和其它设备初过滤和保护作用。

Feature

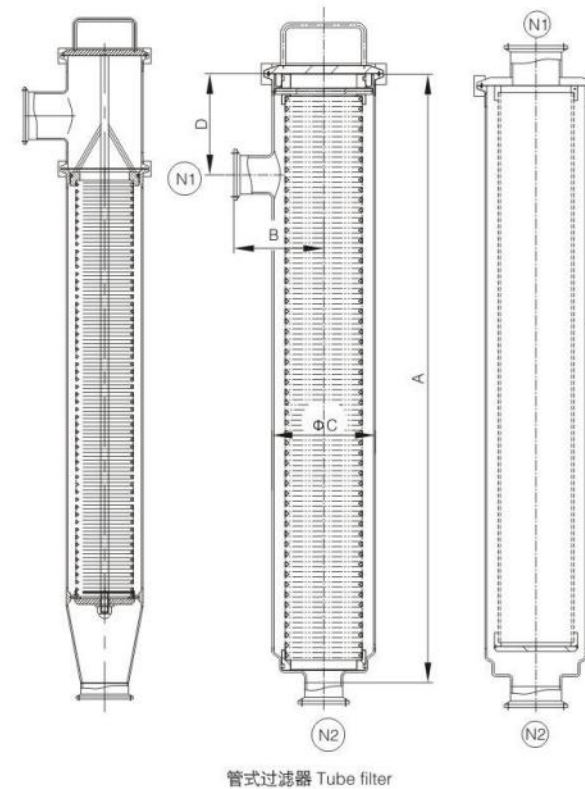
- The filter inner and outside surface using mirror polish, interface Ra reaching to $0.4\mu\text{m}$ up to sanitary level.
- Filter housing adopts quick connection, easy to handle, economical and practical.

Application

- All kinds of liquid particle filtering.
- Edible oil, beverage, wine filtration.
- Chemical filter.
- Compressors, pumps, instrumentation and other equipment pre-filtering and protection.



常规结构 Structure



管式过滤器 Tube filter

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperature	150°C

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金
筛管滤芯 Tube cartridge	304、316
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	快装 Tri-clamp
进出口N1、N2 In-outlet	2"/2.5"/3"快装 Tri-clamp

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical/electrolytical polishing, sand blasting
抛光精度 Polishing precision	内壁 $0.4\mu\text{m}$ Inner surface $Ra \leq 0.4\mu\text{m}$ 外壁 $0.6\mu\text{m}$ Outside surface $Ra \leq 0.6\mu\text{m}$

尺寸参数表 Dimension Parameters

	进出口2"				进出口2.5"				进出口3"	
	46滤芯 (Cartridge)	48滤芯 (Cartridge)	56滤芯 (Cartridge)	58滤芯 (Cartridge)	46滤芯 (Cartridge)	48滤芯 (Cartridge)	56滤芯 (Cartridge)	58滤芯 (Cartridge)	56滤芯 (Cartridge)	58滤芯 (Cartridge)
A: 总高(不含滤盖、压力表) Total height	621	833	621	833	621	833	621	833	621	833
B: 进口中心距 The distance from inlet to center	89				108				127	
C: 直径 Shell diameter	Φ 101.6		Φ 129		Φ 101.6		Φ 129		Φ 129	
D: 进口N1离滤盖端面高度 InletN1 to filter cover height	100				100				100	
E: 筛管滤芯直径 The diameter of the filter screen	Φ 76		Φ 100		Φ 76		Φ 100		Φ 100	
F: 筛管滤芯长度 The length of the filter screen	554	766	554	766	554	766	554	766	554	766

上表数据为标准型管式过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWTF 选型表 Selection Table

[系列编号 Series number]	[滤芯数量 Qty. of cartridge]	[滤芯型号 Model of cartridge]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[进出口尺寸 Dimension]	[密封圈 O-ring]
A	1R	46	4	K	20	E
A=A系列 Series	1R=1芯1 Pcs	46	4= 304	F=法兰 Flange	20=2"	E=三元乙丙橡胶 EPDM
B=B系列 Series	3R=3芯3 Pcs	48	6= 316L	K=快装 Tri-clamp	25=2.5"	P=聚四氟乙烯 PTFE
C=C系列 Series	5R=5芯5 Pcs	56	D=双相钢 Duplex SS	L=螺纹 Screw thread	30=3"	V=氟橡胶 Viton
D=D系列 Series		58	T=钛材 Titanium			S=硅橡胶 Silicone
			H=哈氏合金 Hastelloy			

SWYG Y型过滤器 Y-Type Filter

便捷更换管道式过滤器
Conveniently Replaceable
Tube Filter



- SWYG Y型过滤器是一款除去管道液体中少量固体颗粒，通常安装在减压阀、泄压阀或其他设备的进口端，用来消除介质中的杂质，保护阀门及设备的正常使用。
- SWYG Y型过滤器结构设计合理，无卫生死角，阻力小，排污方便等特点。采用多道抛光处理，保证料液接触面Ra达到 $0.4\mu\text{m}$ 接近卫生级要求，全镜面抛光。
- SWYG Y-Type Filter is a improved small tube strainer which can remove a small amount of solid particles in the liquid, also can protect compressor, pump, instruments and other equipment to work successfully.
- With reasonable design, SWYG Y-Type Filter achieves advantages of no dead corner, low resistance and easy drainage. Filter adopts multiple polishing processing steps to ensure that the interface Ra reach to $0.4\mu\text{m}$ close to sanitary level. All of the surface is mirror polished.

产品特点

- 筒体内外表面采用镜面抛光，料液接触面Ra达到 $0.4\mu\text{m}$ 接近卫生级要求。
- 过滤器壳体采用快装连接，操作方便，经济实用。

典型的应用

- 各种液体的颗粒过滤；
- 食用油、饮料、酒类的过滤；
- 化工厂过滤；
- 压缩机、泵、仪表和其它设备初过滤和保护作用。

Feature

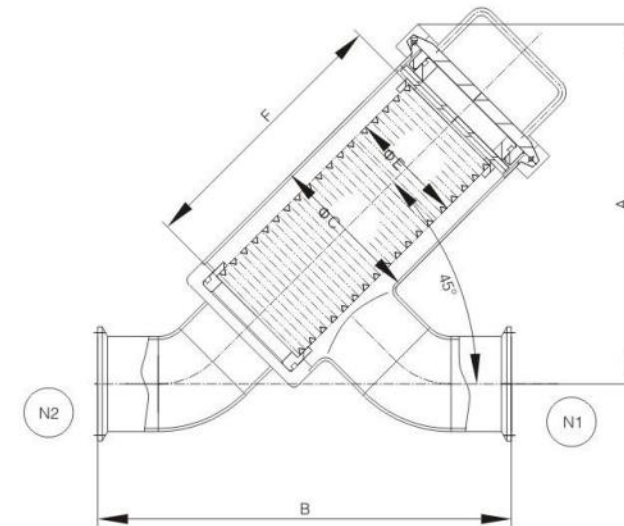
- The filter inner and outside surface using mirror polish, interface Ra reaching to $0.4\mu\text{m}$ up to sanitary level.
- Filter housing adopts quick connection, easy to handle, economical and practical.

Application

- All kinds of liquid particle filtering.
- Edible oil, beverage, wine filtration.
- Chemical filter.
- Compressors, pumps, instrumentation and other equipment pre-filtering and protection.



常规结构 Structure



Y式过滤器 Y-Type Filter

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperature	150°C

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
筛管滤芯 Tube cartridge	304、316
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	快装 Tri-clamp
进出口N1、N2 In-outlet	2"/2.5"/3"快装 Tri-clamp

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical/electrolytical polishing, sand blasting
抛光精度 Polishing precision	内壁 $0.4\mu\text{m}$ Inner surface Ra $\leq 0.4\mu\text{m}$ 外壁 $0.6\mu\text{m}$ Outside surface Ra $\leq 0.6\mu\text{m}$

尺寸参数表 Dimension Parameters

	进出口 In-outlet				
	1"	1.5"	2"	2.5"	3"
A: 总高(不含滤盖、压力表) Total height	185		240		300
B: 进口中心距 The distance from inlet to center	220		275		325
C: 直径 Shell diameter	$\Phi 76$		$\Phi 101.6$		$\Phi 129$
E: 筛管滤芯直径 The diameter of the filter screen	$\Phi 50$		$\Phi 76$		$\Phi 100$
F: 筛管滤芯长度 The length of the filter screen	135		180		225

上表数据为标准Y式过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can be customized according to customer's requirements. length: mm.

SWYG 选型表 Selection Table

[滤芯数量 Qty. of cartridge]	[壳体材料 Shell Material]	[进出口连接 In-outlet connection]	[进出口尺寸 Dimension]	[密封圈 O-ring]
1R	4	K	20	E
1R=1芯1 Pcs	4= 304	F=法兰 Flange	10=1"	E=三元乙丙橡胶 EPDM
	6= 316L	K=快装 Tri-clamp	15=1.5"	P=聚四氟乙烯 PTFE
	D=双相钢Duplex SS	L=螺纹 Screw thread	20=2"	V=氟橡胶 Viton
	T=钛材Titanium		25=2.5"	S=硅橡胶 Silicone
	H=哈氏合金Hastelloy		30=3"	

SWCX 磁棒过滤器 Magnetic Fluid Filter

流体管道除铁器
Fluid pipe de-ironing separator

- SWCX磁棒过滤器是一款应用于流体，半流体等不同粘性的流体物料中，去除铁杂质和其他铁磁性微粒，使物料保持清洁，同时又起到保护下游生产设备的作用。
- SWCX磁棒过滤器采用多道抛光处理，保证料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求，全镜面抛光。
- SWCX Magnetic Fluid Filter is applied to the fluid, semifluid and other different viscous fluid materials, remove the iron impurities and other ferromagnetic particles. To keep the material clean and protect the downstream production equipment at the same time.
- SWCX Magnetic Fluid Filter using multichannel polishing processing to ensure the interface Ra reach to $0.6\mu\text{m}$ close to sanitary level. All of the surface is mirror polished.

典型的应用

- 用于食品饮料、金属加工、制药、陶瓷、造纸、化妆品、精细化工等行业，保护关键设备免受铁质颗粒的破坏。

Application

- Used in food and beverage, metal processing, pharmaceutical, ceramics, paper, cosmetics, fine chemical industry, etc. To protect main equipment from the destruction of the iron particles.

产品特点

- 筒体内外表面采用镜面抛光，料液接触面Ra达到 $0.6\mu\text{m}$ 接近卫生级要求。
- 利用法兰，快装，螺栓板或者快速释放夹扣等设计，可以轻松安装，取出和清理磁性部件。
- 合理的结构设计，确保最好的除铁效果的同时不妨碍物料的流动。



Feature

- Barrel's internal and external surface using mirror polish, interface Ra reach to $0.6\mu\text{m}$ close to sanitary level.
- Using Flange, quick-open, eyebolt plate or quick release clamp can easy to install, take out and clean magnetic component.
- Reasonable structure design can ensure the best de-ferrous effect at the same time not impede the flow of the material.



常规结构 Structure



操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150℃

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical/electrolytical polishing, and blasting
抛光精度 Polishing precision	内壁 $0.6\mu\text{m}$ Inner surface Ra $\leq 0.6\mu\text{m}$ 外壁 $0.8\mu\text{m}$ Outside surface Ra $\leq 0.8\mu\text{m}$

连接 Connection

壳体连接 Connection of shell	快装(0.6MPa)、法兰 (快速释放夹扣, 1.0MPa) Tri-clamp(0.6MPa), Flange (Quick release clamp, 1.0MPa)
进出口N1、N2 In-outlet	法兰/快装/螺纹 Flange, Tri-clamp, Thread

尺寸参数表 Dimension Parameters

磁棒数 Qty. of magnet	筒体直径 Shell diameter	进出口N1、N2尺寸 Inlet and outlet N1、N2 size	磁棒 Magnetic bar	
			直径 Diameter	长度 Length
1	$\Phi 50$	1"1.5"	$\Phi 20$	6"8"/10"
4、5	$\Phi 114$	1"1.5"/2"/2.5"		
6、7	$\Phi 159$	1.5"/2"/2.5"/3"		
9	$\Phi 190$	2"/2.5"/3"/4"		

进出口3"以下采用快装，3"和4"采用法兰，上表数据为标准型磁棒过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The diameter of In-outlet under 3" using quick-open, 3" and 4" using flange. it can customize according to customer's requirements. Dimension an approximate value, for reference only.

SWCX 选型表 Selection Table

[系列编号 Series number]	[磁棒数量 No. of magnet]	[磁棒型号 Magnet model]	[壳体材料 Shell material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
A	9R	206	4	F	S
A=A系列 Series	1R=1芯 Pcs	206、208、210	4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
B=B系列 Series	4R=4芯 Pcs/5芯 Pcs	例：206，其中2表示直径 $\Phi 20\text{mm}$ ，06表示长度6" Example: 206, "2" means diameter $\Phi 20\text{mm}$, "06" means magnetic bar the length of 6"	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
C=C系列 Series	7R=6芯 Pcs/7芯 Pcs		D=双相钢 Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
D=D系列 Series	9R=9芯 Pcs		T=钛材 Titanium		S=硅橡胶 Silicone
E=E系列 Series			H=哈氏合金 Hastelloy		

SWMF

机械过滤器

Mechanical Filter

大型水处理过滤器

Filter with pressure

- SWMF 机械(活性炭、多介质、锰砂)过滤器是一款是纯水制备前期预处理、水净化系统的重要组成部分,适用于要求经过过滤出水浊度一般在5毫克/升以内能符合饮用水水质标准的工业用水或生活用水的工矿企业和城镇给水处理设备。对工业污水中的悬浮物固体物等有很好的去除效果。水中含有的悬浮物凝聚的片状物用沉淀方法所不能去除的粘结胶质颗粒,可将水通过过滤器内所装的滤层,使水达到透明。
- SWMF管式过滤器采用多道抛光处理, 保证料液接触面Ra达到0.4 μ m接近卫生级要求, 全镜面抛光。
- SWMF Mechanical (Carbon, Sand) Filter Housing is an important part for Pure water preparation early pre-Finish and water purification system. It is apply to drinking water standard industrial water which is required filtered and general turbidity of treated water is within 5mg/L. It has good remove effect for suspended solids in industrial sewage. The Tablet agglomerated from suspended solids in water which can not remove through Precipitation method, we can through water to filter layer in filter vessel. Finally, to achieve transparency in water.
- SWMF Mechanical Filter Housing using multichannel polishing processing to ensure the interface Ra reach to 0.6um close to sanitary level. All of the surface is mirror polished.

产品特点

- 筒体内外表面采用镜面抛光, 料液接触面Ra达到0.4 μ m接近卫生级要求。
- 设备造价低廉, 运行成本费用低, 管理简便。
- 合理的结构设计, 滤料经过反洗可多次使用, 滤料寿命长, 过滤效果好, 占地面积小。

Feature

- Barrel's internal and external surface using mirror polish, interface Ra reach to 0.4um close to sanitary level.
- The equipment low cost, low Operating cost and easy management.
- Reasonable structure design, after Filter material backwashing can use many times, filter material has long service life, effective filtering and small occupation area.

典型的应用

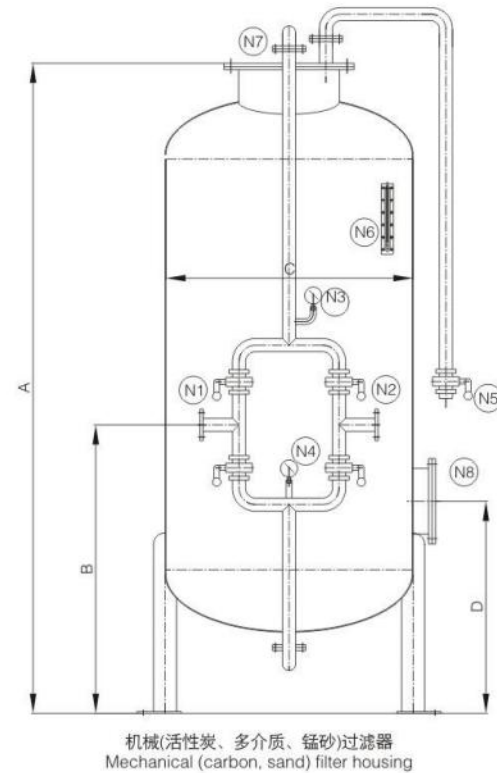
- 用于水处理过程中, 主要用于给水处理除浊, 反渗透、以及离子交换软化除盐系统的前级预处理, 也可用于地表水、地下水除泥沙。进水浊度要求小于20度, 出水浊度可达3度以下。
- 可广泛应用于电子电力、石油化工、冶金电镀、造纸纺织、制药透析、食品饮料、生活饮用水、工厂企业用水、游泳池等。可满足各行业液体过滤需要。



Application

- It is used in water Finish, mainly used in turbidity removal, reverse osmosis and The front-end preprocessing of Ion exchange softening desalination system. It also can be used in remove sediment in Surface water and groundwater. The requirement of influent water turbidity should less than 20 degrees, and the turbidity of treated water can below 3 degrees.
- Can be widely used in Electronic power, oil chemical industry, metallurgy, electroplating, papermaking, textile, pharmaceutical dialysis, food and beverage, drinking water, Factories in water, swimming pool, etc. To meet the needs of the various industries liquid filtration.

常规结构 Structure



操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	120℃
壳体试压 The filter shell adopts	ATM(满水试压)(pressure test with full water)

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
支脚、吊具等 Stabilizer blade, sling	304
接管 Connect pipe	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

进出口N1、N2 In-outlet	1/2"法兰、快装、螺纹 Flange, Tri-clamp, Thread
压力表接口N3、N4 Pressure gauge connection	1.5"螺纹 Thread
排气阀接口N5 Vent valve connection	1/4"螺纹 Thread
视镜接口N6 Sight glass connection	法兰 Flange
人孔N7 Manhole	法兰 Flange
填料手孔N8 Packing hand hole	法兰 Flange

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂 Mechanical/electrolytical polishing, sand blasting
抛光精度 Polishing precision	内壁 0.6 μ m Inner surface Ra≤0.6 μ m 外壁 0.8 μ m Outside surface Ra≤0.8 μ m

尺寸参数表 Dimension Parameters

	C: 壳体直径 Shell diameter										
	Φ600	Φ800	Φ1000	Φ1200	Φ1400	Φ1600	Φ1800	Φ2000	Φ2500	Φ3000	Φ3200
A: 总高 Total height	2350		2600		2800		2800		3000		
B: 进出口离地高度 The distance from inlet to center	1500				1800		1800		2000		
D: 填料手孔离地高度 The height from packing hand hole to ground	1200				1200		1200		1200		
设备出水量 Equipment output(T/h)	1.4 ~ 2.8	2.5 ~ 5.0	4.0 ~ 8.0	5.5 ~ 11	7.5 ~ 15	10 ~ 20	13 ~ 25	16 ~ 30	25 ~ 49	35 ~ 70	40 ~ 80

上表数据为标准型机械(活性炭、多介质、锰砂)过滤器, 仅供参考, 可根据客户要求定制; 未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWMF 选型表 Selection Table

[壳体直径 Shell diameter]			[壳体材料 Shell material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
600J			4	K	S
600J=直径 Φ600机械过滤(下同) 600J=diameter Φ600 mechanical filtration			4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
800J	1600J	3000J	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
1000J	1800J	3200J	D=双相钢Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
1200J	2000J		T=钛材Titanium		S=硅橡胶 Silicone
1400J	2500J		H=哈氏合金Hastelloy		

SWHXQ

呼吸器

Vent housing

- 卫生级呼吸器为制药、食品容器气体交换时达到除菌之目的而设计制造，能自动调节罐内压力，平衡罐内外压差。
- 滤筒采用不锈钢316L 或304 制作，内壁采用电解镜面抛光或机械抛光；内外光滑易清洗无死角。
- 聚四氟乙烯滤芯高效过滤细菌，保护罐内洁净无菌。
- The sanitary vent housing is designed and manufactured for the purpose of sterilization when exchanging gas for pharmaceutical and food containers. It can automatically regulate the pressure inside the tank and balance the pressure difference between the inside and outside of the container
- The filter is made of stainless steel 316L or 304, and the inner wall is polished by electrolytic mirror or mechanical polishing, easy to clean without dead corner
- PTFE filter cartridge filters bacteria efficiently and protects the tank clean and aseptic .

典型的应用

- 生物技术、精细化工、医药领域。
- 食品、饮料工业领域

Application

- Biological technology, fine chemical industry
- Medicine field. Food and beverage industry

产品特点

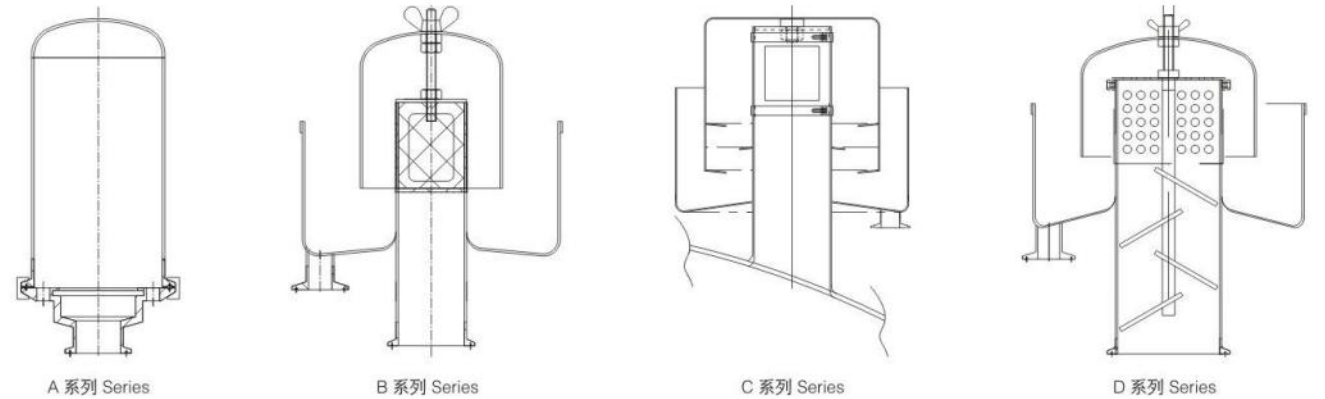
- 滤芯孔径均匀稳定、气体阻力小。
- 气体过滤精度为 $0.1\mu\text{m}$ ，效率达到99.99%，符合GMP无菌级要求。
- 接口采用快装卡盘式（卡接），罐体内胆选用304或316L，内表面镜面抛光 $Ra\leq 0.28\mu\text{m}\sim 0.6\mu\text{m}$ ，外表面可根据客户要求要求进行抛光等。

Feature

- The diameter of the filter core is uniform and stable with low gas resistance.
- The precision of gas filtration is $0.1\mu\text{m}$, reaching 99.99% efficiency reaches and meeting the requirements of GMP aseptic level.
- Interface with quick open type (clamp), tank with 304 or 316L, the inner surface of the mirror polishing $Ra\leq 0.28\mu\text{m}\sim 0.6\mu\text{m}$, the outer surface can be polished according to customers requirement



常规结构 Structure



操作条件 Operating Conditions

最大操作压力 Max operation pressure	0.6MPa、1.0MPa
操作压力温度 Max operation temp.	150℃

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光 Mechanical/electrolytical polishing
抛光精度 Polishing precision	$0.4\mu\text{m}$

材料 Material

滤筒 Housing	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
滤芯 Cartridge	PTFE、PP、丝网 Sintered screens
密封圈 O-ring	三元乙丙橡胶、聚四氟乙烯、硅橡胶 EPDM, PTFE, FKM Silicone

连接 Connection

壳体连接 Cup and bowl	快装 Clamp
进出口 Inlet and outlet	快装、法兰、活接 Clamp, Flange, Screw

尺寸参数表 Dimension Parameters

滤芯尺寸 Size	2.5"			5"			10"		
A: 直径 mm Diameter	76	89	102	76	89	102	76	89	102
B: 总高 mm Height	130			194			320		
C: 连接尺寸 mm Connection	50.5			50.5/64			64/77.5		

上表数据为标准型，仅供参考，可根据客户要求定制。
The above-mentioned data is the standard, for reference only. It can be customized according to customer's requirements

SWHXQ选型表 Selection Table

系列编号 Serial No.	滤芯数 Cartridge No.	壳体材料 Material	进出口连接 Connection	密封圈 O-ring
A	1R	4	K	E
A=A系列 A Serial	1R=1芯1 Pcs 1R=1round 1 Pcs	4= 304 6= 316L	F=法兰 Flange	E=三元乙丙橡胶EPDM
B=B系列 B Serial	2R	D=双相钢Duplex SS	K=快装 Clamp	P=聚四氟乙烯橡胶PTFE
C=C系列 C Serial	3R	T=钛材Titanium	L=螺纹 Screw	V=氟橡胶 FKM
D=D系列 D Serial		H=哈氏合金Hastelloy		S=硅橡胶 Silicon

SWDB 大饼式过滤器 Lenticular Filter

深层过滤器
Depth filter

- SWDB大饼式过滤器是一种新型深层过滤器，可用于代替硅藻土过滤器，对各类液体中微小杂质进行过滤、澄清，提纯处理。
- 整体结构按照卫生级要求设计制造，料液无残留，极易清洗，高精度抛光；采用下进下出式结构设计，有效避免料液的紊流，提高过滤性能。
- SWDB大饼式过滤器最多标配4个滤饼，能满足大流量的过滤要求。
- SWDB Lenticular Filter is a new type of stacks filter, can be used in place of diatomite filter, for tiny impurities in varied kinds of liquid filtration, clarification, purification.
- The structure is designed and manufactured according to the health level, internal is no dead corner and mirror polishing, it ensure no residual liquid and easy to clean.
- SWDB Lenticular Filter Housing can maximal install 4 filter stacks, it can fit for big flow requirements .

产品特点

- 下进下出的结构设计，方便清洗，在进出口可配置专门的排液阀，方便排液。
- 多饼过滤器时，可选择筒体多段开口的形式，方便更换滤饼，减少滤液渗出。

Feature

- Easy to clean, the inlet/outlet can be configured special discharge valve, easy to drain.
- Easy to replace the filter stacks, reduce the filter medium leakage.

典型的应用

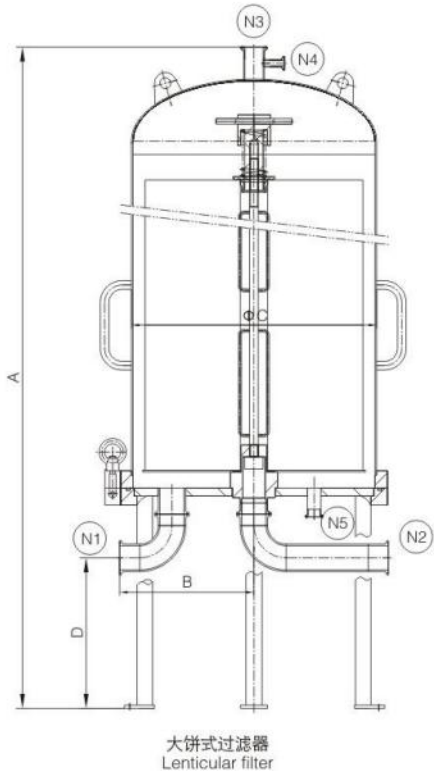
- 酒类，糖浆，啤酒的微生物和固体过滤。
- 果汁和果汁浓缩灌装前的终端过滤。
- 果汁膜过滤之前的预过滤。
- 酒类，酶溶解，液体胶质，橄榄油的澄清过滤。
- 医药，化工，电子过滤。

Application

- Microbe and solid filtration of alcohol, syrup, beer.
- End filtration of fruit juice and juice concentrate.
- Pre filtering of juice membrane filtration.
- Clarification of alcohol, enzyme dissolution, liquid gum, olive oil.
- Pharmaceutical, chemical, electronic filtration.



常规结构 Structure



操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa
最大操作温度 Max operating temperture	150℃
灭菌 Disinfect	在线或蒸汽灭菌：121℃/30min Online or steam sterilization: 121℃/30min

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304, 316L, Duplex SS, Titanium, Hastelloy
排气/液阀 Vent/ Drain valve	304、316L
吊环螺栓 Eyebolt	304
支脚 Stabilizer blade	304
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM, PTFE, Viton, Silicone

连接 Connection

壳体连接 Connection of shell	法兰 Flange
进出口N1、N2 In-outlet	法兰/快装/螺纹 Flange, Tri-clamp, Thread
压力表N3(选配) N3 Pressure gauge (option)	1.5"快装 Tri-clamp
排液阀N4(选配) N4 Drain valve (option)	1"快装 Tri-clamp
排气阀N5(选配) N5 Vent valve (option)	1/2"快装 Tri-clamp

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光 Mechanical/electrolytical polishing
抛光精度 Polishing precision	内壁 0.3 μm Inner surface Ra≤0.6 μm 外壁 0.4 μm Outside surface Ra≤0.8 μm

尺寸参数表 Dimension Parameters

	12" 滤饼 Filter stacks (Abbreviated as B)				16" 滤饼 Filter stacks (Abbreviated as B)			
	1滤饼 (B)	2滤饼 (B)	3滤饼 (B)	4滤饼 (B)	1滤饼 (B)	2滤饼 (B)	3滤饼 (B)	4滤饼 (B)
A: 总高(不含压力表) Total height	950	1210	1490	1760	960	1230	1500	1770
B: 进口中心距 The distance from inlet to center	200				250			
C: 直径 Shell diameter	Φ325				Φ450			
D: 进出口N1、N2离地高度 N1, N2 The height from in-outlet to ground	280				280			
进出口N1、N2尺寸 In-outlet N1, N2 size	2"				2"			

上表数据为标准型直立式过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWDB 选型表 Selection Table

[滤饼数量 Qty. Of filter stacks]	[滤饼型号 Model of filter stacks]	[壳体材料 Shell material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
1B	12	4	F	E
1B=1饼 Pcs	12=12" 滤饼 Filter stacks	4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
2B=2饼 Pcs	16=16" 滤饼 Filter stacks	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
3B=3饼 Pcs		D=双相钢Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
4B=4饼 Pcs		T=钛材Titanium		S=硅橡胶 Silicone
		H=哈氏合金Hastelloy		

SWKQ 空气(蒸汽)过滤器 Gas(Steam) Filter

气体除颗粒过滤器
Filter for removing particle in gas

- SWKQ空气(蒸汽)过滤器是一款配合滤芯应用的高纯度气体除颗粒过滤器。
- 配合聚四氟乙烯高效除菌滤芯，可以应用在无菌的气体、发酵气体过滤；配合玻璃纤维滤芯，可以应用在一些高纯度气体过滤；配合不锈钢滤芯，可以解决高温气体过滤问题。
- 滤芯接头统一设计成226双密封圈卡口式，使得滤芯的密封性能更优秀。
- SWKQ Gas(Steam) Filter Housing is a high purity particle filter using with filter cartridge for removing particle in gas.
- Using with PTFE efficient aseptic filter cartridge can be used in sterile gas and fermentation gas filtration. Using with glass fiber filter cartridge, can be used in high purity gas filtration. Using with stainless steel cartridge, can solve the problem of high Temp. air filtration.
- Filter connection unified designed to 226 double seal clamp type, to make the filter sealing performance is more outstanding.



产品特色

- 滤芯接头采用226双密封圈卡口式，确保密封。
- 3芯以下过滤器壳体可采用快装，更换滤芯时方便快捷。

典型的应用

- 在生物技术、医药领域的杀菌功能。
- 食品和饮料的杀菌，对加热食物的蒸汽进行过滤。
- 电子行业、生物技术、制药等实验室的湿气过滤。

Feature

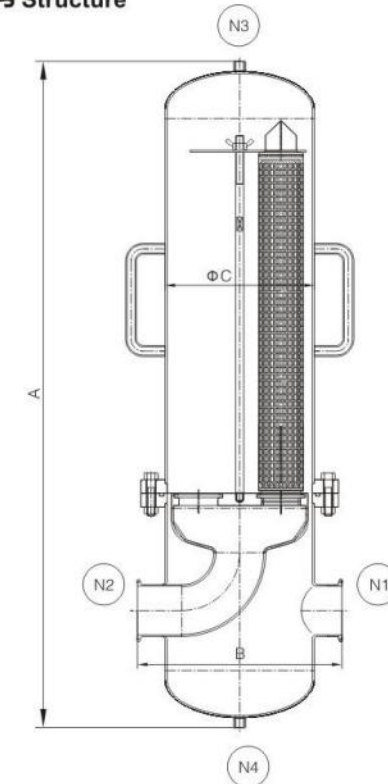
- Filter connection adopts 226 double seal clamp type, to ensure the sealing.
- The cartridge number under 3 the filter housing can adopt quick-open, to be convenient and quick when change cartridge.

Application

- The sterilization function in the field of biotechnology, medical.
- Sterilizing for beverage and food, filtering steam for heating food.
- Filtering dampness in laboratory such as electronics industry, biotechnology, pharmaceutical etc.



常规结构 Structure



空气(蒸汽)过滤器(226型)
Gas(Steam) Filter Housing(226 Type)

操作条件 Operating Conditions

最大操作压力 Max operating pressure	0.6MPa、1.0MPa
最大操作温度 Max operating temperture	150℃
灭菌 Disinfect	在线或蒸汽灭菌：121℃/30min Online or steam sterilization: 121℃/30min

材料 Material

过滤器壳体 Shell	304、316L、双相钢、钛材、哈氏合金 304、316L、Duplex SS、Titanium、Hastelloy
排液阀 Drain valve	304、316L
密封圈、垫片 O-ring	三元乙丙橡胶、聚四氟乙烯、 氟橡胶、硅橡胶 EPDM、PTFE、Viton、Silicone

连接 Connection

壳体连接 Connection of shell	法兰/快装 Flange, Tri-clamp
进出口N1、N2 In-outlet	法兰/快装/螺纹 Flange, Tri-clamp, Thread
压力表N3(选配) N3 Pressure gauge (option)	M14 x 1.5螺纹(3芯以下) M14 x 1.5 Thread(less than 3pcs) 1/2"螺纹(5芯以下) 1/2" Thread(less than 5pcs)
排液阀N4(选配) N4 Drain valve (option)	1/4"螺纹 Thread
滤芯接头形式 Cartridges connection	226型 Type

表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光 Mechanical/electrolytical polishing
抛光精度 Polishing precision	内壁 0.3 μm Inner surface Ra≤0.6 μm 外壁 0.4 μm Outside surface Ra≤0.8 μm

尺寸参数表 Dimension Parameters

	1芯 R				3芯 R				5芯 R				9芯 R			
	10"滤芯 Cartridge	20"滤芯 Cartridge	30"滤芯 Cartridge	40"滤芯 Cartridge	10"滤芯 Cartridge	20"滤芯 Cartridge	30"滤芯 Cartridge	40"滤芯 Cartridge	10"滤芯 Cartridge	20"滤芯 Cartridge	30"滤芯 Cartridge	40"滤芯 Cartridge	10"滤芯 Cartridge	20"滤芯 Cartridge	30"滤芯 Cartridge	40"滤芯 Cartridge
A: 总高(不含压力表) Total height	550	800	1050	1300	696	946	1196	1446	728	978	1228	1478	835	1085	1335	1585
B: 进出口距 The distance from inlet to center	150(快装)(Tri-clamp)				270(快装)(Tri-clamp)				270(快装)(Tri-clamp)				395(快装)(Tri-clamp)			
C: 直径 Shell diameter	Φ 101.6				Φ 200				Φ 219				Φ 325			
进出口N1、N2尺寸 In-outlet N1, N2 size	1"				3"				3"				4"			

上表数据为标准型空气(蒸汽)过滤器，仅供参考，可根据客户要求定制；未注长度单位为mm。
The above-mentioned data is the standard, it can customize according to customer's requirements.

SWKQ 选型表 Selection Table

[滤芯数量 Qty. of cartridges]	[滤芯型号 Model of filter stacks]	[壳体材料 Shell material]	[进出口连接 In-outlet connection]	[密封圈 O-ring]
5R	20	4	K	E
1R=1芯 Pcs	10=10" 滤芯 Cartridge	4= 304	F=法兰 Flange	E=三元乙丙橡胶 EPDM
3R=3芯 Pcs	20=20" 滤芯 Cartridge	6= 316L	K=快装 Tri-clamp	P=聚四氟乙烯 PTFE
5R=5芯 Pcs	30=30" 滤芯 Cartridge	D=双相钢 Duplex SS	L=螺纹 Screw thread	V=氟橡胶 Viton
9R=9芯 Pcs	40=40" 滤芯 Cartridge	T=钛材 Titanium		S=硅橡胶 Silicone
12R=12芯 Pcs		H=哈氏合金 Hastelloy		

SW
双联(多联)过滤器
Duplex (Multi) Strainer

- 双联(多联)过滤器是一种由两台(多台)不锈钢过滤器并联而成，可根据实际情况进行定制，具有结构新颖合理、密封性好、流通能力强、操作简便等诸多优点，应用范围广泛、适应性强的多用途过滤设备；并可配套输送泵组装在移动式推车上，以随意移动到任何生产线上进行过滤。

●双联(多联)过滤器采用快装接口或法兰接口，设计压力均达到1.0MPa。
- Duplex (multi) Strainer is composed of two (more) stainless steel filters, can be customized according to the actual situation. It has many advantages, such as reasonable and novel structure, reliably sealing, good fluidity and easy and simple to handle etc. Also this Multipurpose filtering equipment has wide range of application and outstanding adaptation. Delivery pump can be assembled on the mobile cart, in order to move to any production line for filtering.

●Duplex (multi) Strainer adopts quick-open connection or flange connection, design pressure are reached to 1.0Mpa.



SW
过滤器参数表
The Filter Parameters Table

材质 Material

中国 China	中国台湾 China Taiwan	日本 Japan	美国 US	说明 State
GB	CNS	JIS	ASTM	
06Cr19Ni10	304	SUS304	304	良好的耐蚀性、耐热性、低温强度和机械特性；冲压、弯曲等热加工性好，无热处理硬化现象；无磁性，使用温度范围-196℃～800℃ Good corrosion resistance, heat resistance, low Temp. strength and mechanical features. Stamping, bending and other hot workability is good, without hardening phenomenon after heating. Nonmagnetic. OperatingTemp. Range-196℃～800℃.
022Cr19Ni10	304L	SUS304L	304L	作为低碳的304不锈钢，在一般状态下，其耐蚀性与304不锈钢相似，但在焊接后或者消除应力后，其抗晶界腐蚀能力优秀，在未进行热处理的情况下，亦能保持良好的耐蚀性，用温度范围-196℃～800℃
06Cr17Ni12Mo2	316	SUS316	316	因添加Mo，故其耐蚀性、耐大气腐蚀性和高温强度特别好，可在苛刻的条件下使用；加工硬化性优，无磁性。 Because it is added Mo, its corrosion resistance, resistance to atmospheric corrosion resistance and high Temp.strength are especially good. Can be used at harsh conditions. Excellent work hardening, non-Magnetic.
022Cr17Ni12Mo2	316L	SUS316L	316L	作为低碳的316不锈钢，除与316不锈钢由相同的特性外，其抗晶界腐蚀能力优秀。

粗糙度(抛光精度) Roughness(Polishing Precision)

目数(单位3 #) Mesh number (unit 3 #)	精度Ra(单位 μ m) Precision Ra(unit μ m)
400	0.2
300	0.3～0.4
200	0.6～0.8

世诺的标准 Standard of Snowate

过滤器类型 Filter type	内壁 Inwall	外壁 Outer wall
卫生级 Sanitary	<0.3 μ m	<0.4 μ m
精密工业级 Precision industrial	<0.4 μ m	<0.6 μ m
普通工业级 Ordinary industrial	<0.6 μ m	<0.8 μ m

耐压和壁厚 Pressure And Wall Thickness
(仅限于直径Φ69，226型/222型接头的标准滤芯)
(Limited to the diameter Φ69, 226/222type standard filter connector)

壳体直径 Diameter	芯数 Qty. of cartridge	耐受压力下壁厚(滤筒无腐蚀余量) Wall thickness under tolerance pressure (Non-corrosive allowance of cartridge)		
		0.6MPa	1.0MPa	1.6MPa
Φ200	3	2	2	2
Φ219	5	2	2.5	3
Φ250	5、6	2	2.5	4
Φ273	7	2.5	3	4
Φ300	8	2.5	3	4
Φ325	9、10	2.5	3	4
Φ350	11、12	2.5	3	4
Φ400	15、18	3	4	5
Φ450	21	3	4	5
Φ500	24、27、30	3	4	6

SW

过滤器参数表

The Filter Parameters Table

常用快装进出口尺寸

Common Dimension Of quick-open in-outlet ISO:2852

公称尺寸 Nominal dimension	英寸 Inch	卡盘外径 Chuck outer diameter	管子外径 Tube outer diameter
DN25	1	50.5	25.4
DN38	1.5	50.5	38.1
DN50	2	64	50.8
DN65	2.5	77.5	63.5
DN80	3	91.0	76.3
DN100	4	119.0	101.6

流量和管径的关系

The Relationship Between Flow Rate And Pipe Diameter

公称尺寸 Nominal dimension	英寸 Inch	液体估计流量 Liquid estimation flow (m³/h)
		(流速 m/s) (Flow rate m/s)
DN15	1/2	1.3
DN20	3/4	2.3
DN25	1	3.0
DN38	1.5	9.0
DN50	2	14.1
DN65	2.5	23.9
DN80	3	36.2
DN100	4	56.5
DN125	5	88.4
DN150	6	127.2
DN200	8	226.2

常用滤袋参数表

Common Parameters Table Of Filter Bag

[滤芯类别 Cartridge category]	[型号及尺寸 Model and size] (mm)	[最大流量 Max flow rate] (m³/h)	[过滤面积 Filtering area] (m²/h)	[滤袋环口 Filter bag collar extension] 工艺: 线缝 Process: Line Seam	[过滤精度 Filter precision] (μm)
PP热熔滤袋 PP Hot melt filter bag	1号袋(#): Φ 180 x 430	20	0.25	不锈钢圈, 代号S Stainless steel ring, Code: S	1、5、10、25、 50、75、100、150、 200、250、300
	2号袋(#): Φ 180x 810	40	0.5		
	3号袋(#): Φ 105 x 230	6	0.09	塑料圈, 代号Q Plastic ring, Code: Q	
	4号袋(#): Φ 105x 380	12	0.16		
应用领域 Application fields	食品及饮料; 生物工程及医药; 石化及化工; 汽车制造; 石油及天然气; 电子及电镀; 涂料、油漆、油墨; 核电与火电及废液过滤; 摄影胶片生产工艺液体过滤; 日用化工的液体和气体净化; 机械加工及制冷行业各种冷却液过滤; 纺织、印染、造纸行业的各种液体净化。 Food and beverage; Biological project and medicine; Petrochemical and chemical industry; Automobile manufacturing; Oil and gas; Electroplating and electronics; Coating, paint, printing ink; Nuclear power and thermal power and waste liquid filtration; Process liquid filtration from film production; Daily chemical liquid and gas purification; Mechanical processing and refrigeration industry all kinds of coolant filtering; Textile, printing and dyeing, paper making industry of various liquid purification.				

常用法兰进出口尺寸

Common Dimension Of Flange In-outlet

公称尺寸 Nominal dimension	螺丝孔中心圆直径 Screw hole diameter in the center	法兰外径 Flange outer diameter	管子外径 Tube outer diameter
DN25	85	115	32
DN38	110	150	45
DN50	125	165	57
DN65	145	185	76
DN80	160	200	89
DN100	180	220	108
DN125	210	250	133
DN150	240	285	159
DN200	295	340	219

$$Q=(\pi D^2)/4*V*3600$$

Q: 流量, 流体在一定时间内通过某一横截面的容积或重量

D: 管道内径(m)

V: 流体平均速度(m/s)流体在管道内流动时, 在一定时间内所流过的距离为流速常规液体估计值为2; 空气估计值为10。

$$Q=(\pi D^2)/4*V*3600$$

Q: Flow rate, The volume or weight of fluid flow in a certain period of time through a cross section.

D: Pipe Inner Diameter(m)

V: The average speed of fluid when fluid flow in the pipe, through the distance to the velocity of conventional liquid estimate is 2in a certain period of time. The air estimates is 10.

不锈钢烧结/折叠滤芯(熔体滤芯)

Stainless Steel Sintered / Solding Silter Cartridge (Melt Filter Cartridge)

产品特点

- 全不锈钢结构, 化学相容性广;
- 滤芯成折叠状后, 过滤面积大, 纳污量大;
- 滤芯耐高温、耐腐蚀、适用于高粘稠液体过滤;
- 再生性能好, 经化学清洗、高温及超声波清洗可反复使用;
- 滤芯空滤率高、透气性好、阻力小、使用压差低。

Feature

- Stainless steel structure, wide chemical compatibility.
- After the filter element is folded, the filter area is large, and the amount of the filter element is large.
- High temperature resistance, corrosion resistance, suitable for high viscous liquid filtration.
- Good regeneration performance, can be used repeatedly after the chemical cleaning, high temperature and ultrasonic cleaning.
- High void ratio, good air permeability, low resistance and low pressure difference.

典型的应用

- 用于高分子聚合物及药品、液压油、水处理、高温气体等介质过滤;
- 工艺用水和各种工艺流体, 电镀液, 金属蚀刻溶液, 涂料光致抗蚀剂, 去离子水预过滤等; 瓶装水, 各种酒类, 糖浆, 香料、食用油等过滤; 酸、碱、溶剂、液体催化剂等各种化学剂, 凝结水、冷却水等。

技术参数

- 滤芯参数:
外径: Φ65mm 长度: 10", 20", 30", 40"
滤芯接头: M20、M30、222型(平尾)、226型(翅片)
- 部件材质:
滤材: 304、316L
密封圈材质: 三元乙丙橡胶, 聚四氟乙烯, 硅橡胶, 氟橡胶
- 滤芯性能:
过滤精度: 0.5 μm, 1 μm, 3 μm, 5 μm, 10 μm, 20 μm, 50 μm

选型表 Selection Table

过滤精度 Precision		滤芯长度 Length	滤芯接头 Cartridges connection	密封材质 Sealing Material
1		10	M2	E
0.5=0.5 μm	10=10 μm	10=10"	M2=M20(螺纹) M2=M20 type	E=三元乙丙橡胶 E= EPDM
1=1 μm	20=20 μm	20=20"	M3=M30(螺纹) M3=M30 type	P=聚四氟乙烯 P=PTFE
3=3 μm	50=50 μm	30=30"	T=222型(平尾) T=222 type	V=氟橡胶 V=FKM
5=5 μm		40=40"	S=226型(翅片) S=226 type	S=硅橡胶 S=silicon



Application

- Polymer and pharmaceuticals, hydraulic oil, water treatment, high temperature gas and other media filter.
- Process water and the process fluid, electroplating, metal etching solution, paint light induced resist, pre filtration of deionized water, bottled water, various kinds of wine, syrup, spice, food oil filter, a variety of acid, alkali, solvent and liquid catalyst chemical agent, condensed water, cooling water, etc.

Technical Parameter

- Type & Size:
Outer Diameter: Φ65mm Length: 10", 20", 30", 40"
Cartridges Connection: M20 type, M30 type, 222 type, 226 type
- Component Material:
Body: 304, 316L
Sealing Ring: EPDM, PTFE, FKM, Silicon
- Performance:
Precision: 0.5 μm, 1 μm, 3 μm, 5 μm, 10 μm, 20 μm, 50 μm

钛棒滤芯 Titanium Filter Cartridge

产品特点

- 无微粒脱落、不污染药液；
- 耐高温(300℃湿态)，耐酸碱腐蚀，抗氧化性强；
- 机械强度大，精度高，可在线再生，易清洗，再生能力强，使用寿命长；
- 化学稳定性好，能耐酸、耐碱，可在较大PH值范围内使用；
- 抗微生物能力强，不与微生物发生作用，可以在生物工程及医学领域应用。

Feature

- No particles fall off, do not pollute the liquid;
- Resistance to high temperature (300 degree), acid and alkali corrosion, strong oxidation resistance;
- Excellent Mechanical strength, high precision, can be online regeneration, easy to clean, strong regeneration ability, long service life;
- Good chemical stability, acid resistance, alkali resistance, can be used in a wide pH range;
- Strong ability to resist microorganisms, not with the role of microorganisms, can be applied in the field of biological engineering and pharmaceuticals.

典型的应用

- 制药行业大输液、小针剂、滴眼液、口服液浓配环节中的脱碳过滤及稀配环节中的终端过滤前的保安过滤；
- 原料药生产过程中的除杂质过滤，物料的脱碳过滤和精滤；
- 水处理工业中的超滤、RO、EDI系统的保安过滤，臭氧灭菌后过滤及臭氧曝气；
- 食品饮料中的饮料、白酒、植物油、醋等澄清过滤；
- 化学工业中液体产品、液体原料、医药中间体的脱碳过滤及精滤。

技术参数

- 滤芯参数：
外径：Φ60mm 长度：10"，20"，30"，40"
滤芯接头：M20、M30222型（平尾）、226型（翘片）
- 部件材质：
滤材：金属钛粉
骨架：304/316L不锈钢骨架
密封圈材质：三元乙丙橡胶，聚四氟乙烯，硅橡胶，氟橡胶
- 滤芯性能：
过滤精度：0.5 μm，1 μm，3 μm，5 μm，10 μm，20 μm，50 μm

选型表 Selection Table

过滤精度 Precision		滤芯长度 Length	滤芯接头 Cartridges connection	密封材质 Sealing Material
1		10	M2	E
0.5=0.5 μm	10=10 μm	10=10"	M2=M20(螺纹) M2=M20 type	E=三元乙丙橡胶 E= EPDM
1=1 μm	20=20 μm	20=20"	M3=M30(螺纹) M3=M30 type	P=聚四氟乙烯 P=PTFE
3=3 μm	50=50 μm	30=30"	T=222型(平尾) T=222 type	V=氟橡胶 V=FKM
5=5 μm		40=40"	S=226型(翘片) S=226 type	S=硅橡胶 S=silicon



Application

- Decarbonization filtration of Consistency link about transfusion, injection, drop eye drops, oral liquid in Pharmaceutical industry and security filtration of diluted link in the terminal filtration.
- Impurity filtration, decarburization filtration and fine filtrationin API production.
- In water treatment industry, ultrafiltration, RO, EDI system security filtering, ozone filtration and sterilization after ozone aeration.
- Food and beverage beverage, liquor, vegetable oil, vinegar and other clarification filtration.
- Decarbonization and fine filtration of liquid products, raw materials in chemical industry and pharmaceutical intermediates.

Technical Parameter

- Type & Size:
Outer diameter: Φ60mm Length: 10", 20", 30", 40"
Cartridges Connection: M20 type, M30 type, 222 type, 226 type
- Component Material:
Body: Metal titanium powder
Framework: 304/316Lstainless steel
Sealing Ring: EPDM, PTFE, FKM, Silicon
- Performance:
Precision: 0.5 μm, 1 μm, 3 μm, 5 μm, 10 μm, 20 μm, 50 μm

深层膜堆滤芯(大饼滤芯) Depth-Stack Filter Cartridge (Filter Cake)

产品特点

- 可反冲洗，过滤量大；
- 操作简单可靠:牢固的外骨架设计使滤芯在安装和拆卸时不受损坏；
- 热处理后过滤纸不会变形；热消毒或热的过滤流体对过滤纸无不良影响；
- 增加了过滤安全性:支撑分离板过滤纸板的全面支撑增强了滤芯的稳定性。

Feature

- Can be back washed, large flow;
- The operation is simple and reliable: the firm's outer frame is designed so that the filter element is not damaged during installation and removal;
- After heat treatment, the filter board will not be deformed; the heat disinfection or the hot filtration fluid will have no adverse effect on the filter board;
- Enhance the security of the filter: the support of the separation plate filter board to enhance the overall support of the stability of the filter.

典型的应用

- 澄清过滤：葡萄、啤酒、白酒、果汁、卤水、食用油、高果糖浆、瓶装水；
- 工艺流体，颗粒去除：墨水、颜料、树脂、清漆、香水、燃料、硅油；
- 生物制药，除菌过滤：血液制品、动物血清、原料药、疫苗、大输液、小输液、细胞分离；
- 化学制剂：色谱柱保护酶、表面活性剂、催化剂截留。

技术参数

- 大饼滤芯(滤饼)参数：
12"滤饼：直径Φ304mm(Φ12") 长度：290mm；
16"滤饼：直径Φ423mm(Φ16") 长度：270mm；
- 部件材质：
滤材：深层滤板：纤维素，天然硅藻土，珍珠岩，树脂等
内骨架/支撑分离板：聚丙烯(PP)
密封圈材质：三元乙丙橡胶，聚四氟乙烯，硅橡胶，氟橡胶
- 滤芯性能：
过滤精度范围：0.1 μm ~ 90 μm
典型过滤精度范围：应用领域
C002(0.2 μm ~ 0.4 μm)；C004(0.4 μm ~ 0.6 μm)；除菌过滤，可用于注射 血清、疫苗、生物制品等
C100(1.0 μm ~ 1.5 μm)；C150(1.5 μm ~ 3.0 μm)；精细过滤，可用于医 保健品、胶体等
C300(3.0 μm ~ 6.0 μm)；C400(4.0 μm ~ 9.0 μm)；
C500(5.0 μm ~ 10.0 μm)；澄清过滤，可用于酒 饮料以及工艺流体等

选型表 Selection Table

滤饼型号 Model of Filter Cake	12	12=12", 16=16"
密封材质 Sealing Material	E	E= EPDM, P=PTFE, V=FKM, S=silicon
过滤精度范围 Precision Range	C100	C002=0.2 μm ~ 0.4 μm, C004=0.4 μm ~ 0.6 μm, C100=1.0 μm ~ 1.5 μm, C150=1.5 μm ~ 3.0 μm, C300=3.0 μm ~ 6.0 μm



Application

- Clarification and filtration: grape, beer, liquor, fruit juice, brine, edible oil, high fructose syrup, bottled water;
- Process fluid, particle removal: ink, paint, resin, varnish, perfume, fuel, silicone oil;
- Bio – pharmaceutical, degemming and filtering: blood products, animal serum, raw material medicine, vaccine, infusion, transfusion, cell separation;
- Chemical agents: column protective enzyme, surfactant, catalyst interception

Technical Parameter

- Type & Size:
12": diameter Φ304mm (Φ12") length: 290mm.
16": diameter Φ423mm (Φ16") length: 270mm.
- Component Material:
body: Deep filter plate: cellulose, diatomite, perlite, resin etc.
Inner skeleton / support separating plate: polypropylene (PP)
Sealing ring: EPDM, PTFE, FKM, silicon
- Performance:
Precision Range: 0.1 μm ~ 90 μm
Referenced Precision Range: Typical applications
C002(0.2 μm ~ 0.4 μm), C004(0.4 μm ~ 0.6 μm): For injection, serum, vaccines and biological products etc.
C100(1.0 μm ~ 1.5 μm), C150(1.5 μm ~ 3.0 μm):
For health care products, colloid
C300(3.0 μm ~ 6.0 μm), C400(4.0 μm ~ 9.0 μm).
C500(5.0 μm ~ 10.0 μm): For clarification of wine and beverages, as well as the process fluid, etc.

