



PHSF Stainless Steel Fiber Felt Pleated Filter Cartridge

PHSF不锈钢纤维毡折叠滤芯

产品介绍 GENERAL DESCRIPTION

PHSF系列不锈钢纤维毡折叠滤芯,采用不锈钢纤维毡,经过折波成型,具有过滤面积大(为同等圆柱管状滤芯的3倍以上),纳污量大等优点。

PHSF series stainless steel fiber felt pleated filter cartridge is made of stainless steel fiber felt by pleating wave shape, with larger filter area, high dirt holding capacity.



产品特性 FEATURES AND BENEFITS

- 全不锈钢结构
- 多孔深层滤材
- 不锈钢纤维毡折叠形式
- 高纳污量、高寿命
- 耐腐蚀、耐高压、耐高温
- 全焊接结构无介质迁移
- All stainless steel construction
- Depth porous material
- Stainless steel fiber felt pleated design
- High dirt holding, long usage life
- Corrosion resistance, high pressure, high temperature
- All-welded construction, no media loss.

材料结构组成 Material Of Construction:

内(外)支撑骨架	SUS 304/316不锈钢多孔板
过滤层	护网: 30目或40目不锈钢编织网 滤网: 所需精度的不锈钢纤维毡 衬网: 30目或40目不锈钢编织网
端盖	SUS 304/316不锈钢

Core/Outer Guard	SUS 304/316 Stainless steel porous plate
Filter Media	Upstream Support: 30 mesh or 40 mesh stainless steel wire mesh Filter net: Required accuracy of stainless steel wire mesh Downstream Support: 30 mesh or 40 mesh stainless steel wire mesh
End cap	SUS 304/316 Stainless steel

操作条件 Operating Conditions

最大操作压差	5.0bar	Maximum operating differential pressure	5.0bar
最高操作温度	480℃	Maximum operating temperature	480℃



材料性能参数 Material Properties

代号 No.	液体精度 Liquid Accuracy (μm)	气体精度 Gas Accuracy (μm)	孔隙率 Porosity (%)	纳污量 Porosity (mg/cm ²)	平均透气度 Average Air-permeability (L/m ² .s)	液体流量 Liquid Flow Rate (m ³ /h)
1	5	1	67	5.0	56.7	1.3
2	10	2	73	7.8	180	2.0
3	15	3	75	7.8	300	2.3
4	20	10	82	13	442	2.5
5	25	16	78	19	542	2.8
6	30	20	78	--	750	3.5
7	40	30	75	--	1033	4.5
8	60	45	85	--	2250	5.5

注: 冒泡压力试验符合ISO 4003

透气度试验符合ISO 4022, 确定平均透气度的空气压力为200Pa

在液体粘度 = 1CP · S, 直径65mm, 长度10in的滤芯, 1.0bar压力下测试

Remarks: Bubble pressure test compliance with ISO 4003

Air permeability test compliance with ISO 4022, air pressure of the average permeability is 200Pa.

Test Conditions: Liquid Viscosity=1 CP · S, the test filter OD is 65mm, 10inches length, under 1.0bar pressure

滤芯规格参数 Products Specifications

标准直径	标准长度	过滤面积	Standard OD	Standard Length	Filter area
ø65mm 注: 可按需求定制 其它规格直径	5英寸(127mm)	0.096m ²	ø65mm Remark: Customized as customers' request	5in.(127mm)	0.096m ²
	10英寸(254mm)	0.19m ²		10in.(254mm)	0.19m ²
	20英寸(508mm)	0.38m ²		20in.(508mm)	0.38m ²
	30英寸(762mm)	0.57m ²		30in.(762mm)	0.57m ²
	40英寸(1016mm)	0.76m ²		40in.(1016mm)	0.76m ²

订货编号 ORDERING INFORMATION

PHSF	S1	0500	20	SC	V
滤层材质 Material		过滤精度 Micron (μm)	长度 Length(in.)	连接方式 End Cap Type	密封圈材质 Seals
S1=304 S2=316		0300=3μm 0500=5μm 0700=7μm 1000=10μm 2500=25 μm 4000=40 μm 6000=60 μm	05=5" 10=10" 20=20" 30=30" 40=40"	DOE=平压 Double Open End TC=222/平头式 222/closed end SC=226/平头式 226/closed end L=螺纹连接 Thread	N=丁晴橡胶 NBR S=硅橡胶 Silicone V=氟橡胶 Viton F=聚四氟乙烯 PTFE



PHSP Metal Powder Sintered Filter Cartridge

PHSP金属粉末烧结滤芯

产品介绍 GENERAL DESCRIPTION

PHSP系列金属粉末烧结滤芯，由不锈钢304、316L、310S或哈氏合金高温烧结制成，它具有优良的耐温、耐压、耐腐蚀的性能，孔径分布均匀、透气性好、可清洗再生、可焊接及可机械加工等优点。

PHSP series metal powder sintered filter cartridge is made of stainless steel 304, 316L, 310S or Hastelloy, has excellent high temperature, high pressure and corrosion resistant properties, aperture evenly distributed, good permeability, washable, weldability and machinability, etc.

产品特性 FEATURES AND BENEFITS

化学稳定性好，耐酸、耐碱、可在较大pH值范围内使用。机械强度高、精度高、易再生、寿命长。孔径分布均匀，分离效率高。抗微生物能力强，不与微生物发生作用。耐高温，一般可在900℃以下正常使用。无颗粒脱落，不对介质形成二次污染。

Good chemical stability, acid resistance, alkali resistance, can be used over a wide pH range. Mechanical strength, high precision, easy regeneration, and long life. Pore size distribution, high separation efficiency. Antimicrobial ability, do not act with the microorganism occurs. High temperature, can operate under 900°C. No media loss, no secondary pollution media.

应用领域 APPLICATION

在过滤气体、液体、燃料油，在石油、化工、拖拉机、飞机、船舶工业上广泛应用，也大量用于气动、液压回路的过滤元件。

Widely used in the filtration of gases, liquids, fuel oil of the oil, chemical, automotive, tractors, aircraft, ships industry, also used for pneumatic, hydraulic circuit.

操作条件 Operating Conditions

最大操作压差	4.0bar
最高操作温度	480℃
Maximum operating differential pressure	4.0bar
Maximum operating temperature	480℃



材料性能参数 Material Properties

代号 No.	液体精度 Liquid Accuracy (μm)	绝对过滤精度 Absolute Accuracy (μm)	孔隙率 Porosity (%)	平均透气度 Average Air-permeability ($\text{L}/\text{m}^2\cdot\text{s}$)	液体流量 Liquid Flow Rate (m^3/h)
1	0.5	5	15	0.22	0.20
2	1	10	20	1.62	0.25
3	3.0	17	30	2.67	0.3
4	5.0	30	31	3.78	1.26
5	8.0	40	31	7.27	2.7
6	10	50	32	9.17	3.62
7	15	60	35	18.12	4.8
8	20	70	37	24.17	5.4
9	40	100	42	25.17	5.7

注：冒泡压力试验符合ISO 4003

透气度试验符合ISO 4022，确定平均透气度的空气压力为200Pa

在液体粘度=1CP·S，直径65mm，长度10in的滤芯，1.0bar压力下测试

Remarks: Bubble pressure test compliance with ISO 4003

Air permeability test compliance with ISO 4022, air pressure of the average permeability is 200Pa.

Test Conditions: Liquid Viscosity=1 CP · S, the test filter OD is 65mm, 10inches length, under 1.0bar pressure

滤芯规格参数 Products Specifications

标准直径	标准长度	过滤面积	Standard OD	Standard Length	Filter area
ø60mm 注：可按需求定制 其它规格直径	5英寸(127mm)	0.024m ²	ø60mm Remark: Customized as customers' request	5in.(127mm)	0.024m ²
	10英寸(254mm)	0.048m ²		10in.(254mm)	0.048m ²
	20英寸(508mm)	0.096m ²		20in.(508mm)	0.096m ²
	30英寸(762mm)	0.14m ²		30in.(762mm)	0.14m ²
	40英寸(1000mm)	0.19m ²		40in.(1000mm)	0.19m ²

订货编号 ORDERING INFORMATION

PHSP	S1	0500	40	SC	V
	滤层材质 Material	过滤精度 Micron (μm)	长度 Length(in.)	连接方式 End Cap Type	密封圈材质 Seals
	S1=304 S2=316	0300=3 μm 0500=5 μm 0700=7 μm 1000=10 μm 2500=25 μm 4000=40 μm	05=5" 10=10" 20=20" 30=30" 40=40"	DOE=平压 Double Open End TC=222/平头式 222/closed end SC=226/平头式 226/closed end L=螺纹连接 Thread	N=丁晴橡胶 NBR S=硅橡胶 Silicone V=氟橡胶 Viton F=聚四氟乙烯 PTFE



PHSW Series Stainless Steel Multilayer Sintered Wire Mesh Filter

PHSW不锈钢多层烧结网滤芯

产品介绍 GENERAL DESCRIPTION

PHSW系列不锈钢五层烧结网滤芯，由多层316L或者304不锈钢网烧结制成，它具有优良的耐温、耐压、耐腐蚀的性能。丝网孔径均匀分，经过烧结后的网孔不会因压力波动而变大；结构简单，使其成为对含刚性颗粒的料液进行固液分离的最佳选择。

PHSW series stainless steel five-layer sintered wire mesh filter cartridge is sintered by multilayer of 316L or 304 stainless steel wire mesh. It has excellent temperature, pressure, corrosion-resistant performance. Its aperture evenly distributed, will not become larger due to pressure fluctuation after sintering; simple structure; all this makes it an excellent choice for the ultra fine solids removal applications in both liquid and gas applications.



产品特性 FEATURES AND BENEFITS

- 全不锈钢结构
- 多层不锈钢烧结形式
- 规则的孔径尺寸
- 耐腐蚀、耐高压、耐高温
- 能承受高压反冲洗，反冲效果好
- 全焊接结构无介质迁移
- All stainless steel construction
- Multilayer Stainless steel sintered wire mesh
- Uniform aperture
- Corrosion resistance, high pressure, high temperature
- High-pressure backwash, good recoil effect
- All-welded construction, no media loss

材料结构组成 Material Of Construction

保护层	SUS 304/316L不锈钢编织网	Protecting Layer	SUS 304/316L stainless steel wire mesh
过滤层	SUS 304/316L不锈钢编织网	Filter Layer	SUS 304/316L stainless steel wire mesh
分散层	SUS 304/316L不锈钢编织网	Dispersion layer	SUS 304/316L stainless steel wire mesh
支撑骨架层	SUS 304/316L不锈钢编织网	Reinforcing Layer	SUS 304/316L stainless steel wire mesh
骨架层	SUS 304/316L不锈钢编织网	Reinforcing Layer	SUS 304/316L stainless steel wire mesh

操作条件 Operating Conditions

最大操作压差	3.0bar	Maximum operating differential pressure	3.0bar
最高操作温度	480°C	Maximum operating temperature	480°C

材料性能参数 Material Properties

代号 No.	液体精度 Liquid Accuracy (μm)	气体精度 Gas Accuracy (μm)	孔隙率 Porosity (%)	平均透气度 Average Air-permeability (L/m².s)	液体流量 Liquid Flow Rate (m³/h)
1	2	0.8	35	3.8	0.25
2	5	1		4.0	0.43
3	10	3		5.0	0.5
4	15	10		6.7	0.54
5	20	15		7.5	0.58
6	25	20		8.3	0.61
7	40	25		11.8	0.67
8	50	35		15.3	0.72
9	70	50		22.7	0.91

注：冒泡压力试验符合ISO 4003

透气度试验符合ISO 4022，确定平均透气度的空气压力为200Pa

在液体粘度 = 1CP · S，直径65mm，长度10in的滤芯，1.0bar压力下测试

Remarks: Bubble pressure test compliance with ISO 4003

Air permeability test compliance with ISO 4022, air pressure of the average permeability is 200Pa.

Test Conditions: Liquid Viscosity=1 CP · S, the test filter OD is 65mm, 10inches length, under 1.0bar pressure

滤芯规格参数 Products Specifications

标准直径	标准长度	过滤面积	Standard OD	Standard Length	Filter area
ø65mm 注：可按需求定制 其它规格直径	5英寸(127mm)	0.025m²	ø65mm Remark: Customized as customers' request	5in.(127mm)	0.025m²
	10英寸(254mm)	0.05m²		10in.(254mm)	0.05m²
	20英寸(508mm)	0.10m²		20in.(508mm)	0.10m²
	30英寸(762mm)	0.15m²		30in.(762mm)	0.15m²
	40英寸(1016mm)	0.20m²		40in.(1016mm)	0.20m²

订货编号 ORDERING INFORMATION

PHSW	S1	0500	20	SC	V
滤层材质 Material		过滤精度 Micron (μm)	长度 Length(in.)	连接方式 End Cap Type	密封圈材质 Seals
S1=304 S2=316		0300=3μm 0500=5μm 0700=7μm 1000=10μm 2500=25μm 4000=40μm 10000=100μm	05=5" 10=10" 20=20" 30=30" 40=40"	DOE=平压 Double Open End TC=222/平头式 222/closed end SC=226/平头式 226/closed end L=螺纹连接 Thread	N=丁腈橡胶 NBR S=硅橡胶 Silicone V=氟橡胶 Viton F=聚四氟乙烯 PTFE



PHSV Metal Wedge Wire Filter Cartridge PHSV金属楔形绕丝滤芯

产品介绍 GENERAL DESCRIPTION

金属楔形网滤芯是由筋条（竖筋或者支撑筋）与V型绕丝在先进的专用焊接设备上绕焊制造的，筋条与V型绕丝采用专用设备电阻焊接，具有焊接强度高，缝隙均匀，耐腐蚀性能强，有效过滤面积大，渗透性好，结构简单等特点。

金属楔形网可用于：

直接筛分

支撑滤材（砂层、活性炭、树脂、催化剂等）

筛缝宽度为25 μ m（0.001英寸）~25mm（1英寸），最常用的材质为201、202、304（0Cr18Ni9）、321（1Cr18Ni9Ti）、316L（00Cr17Ni14Mo2）、904L，但是我们会针对特殊需要使用其他材质或者特种合金。

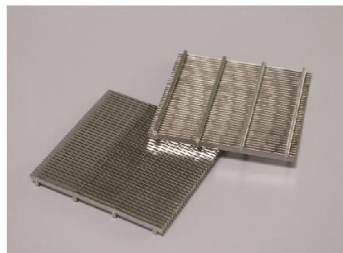
Metal wedge wire filter is manufactured by the V-shaped wire through a special welding technology welded on the ribs (vertical wire or support wire). It has high welding strength, uniform gap, strong corrosion resistance, big effective filtration area, high penetration efficiency, simple structure, etc.

Used for:

Direct screening

Filter support (sand, activated carbon, resin, catalyst, etc.)

Screen slit width is 25 μ m (0.001 in.) ~25mm (1 in.), commonly used material is 201, 202, 304 (0Cr18Ni9), 321 (1Cr18Ni9Ti), 316L (00Cr17Ni14Mo2), 904L, but we'll use other materials or special alloys for special needs.

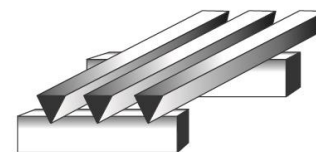


产品特性 FEATURES AND BENEFITS

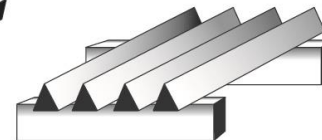
- 机械强度高，能够承受较大的压差；
- 过滤缝隙均匀，能够形成比较均匀的滤饼，利于反洗再生；
- 楔形的过滤缝隙，可以提高反洗再生能力；
- 耐压、耐温、抗老化、抗腐蚀，可适用于各种流体；
- 近乎二维的滤网没有颗粒堆积死角，在反冲洗时又能聚集反冲洗能量，反冲洗效果好。

- High mechanical strength, can withstand greater pressure
- Uniform aperture, form uniform filter cake, beneficial backwash regeneration
- Wedge-shaped filter gap, improve backwash regeneration capacity
- High pressure, high temperature, anti-aging, corrosion resistant, available for many types liquid.
- Almost two-dimensional filter, without particle accumulation, can gather energy when backwash, good backwash effect

产品结构 STRUCTURE



正绕型
Forward winding



反绕型
Reverse winding

应用领域 APPLICATION

该产品特别适用于含蜡油、沥青以及粘度较高的油液。广泛应用于电力油井、天然气井、水井、化工、矿山、造纸、环保、冶金、食品、防砂、装饰等行业水处理方面的粗滤和精滤工程。

The product is especially suitable for fluids containing wax, asphalt and high viscosity. Widely used in coarse and fine filtration of water treatment of power oil wells, gas wells, wells, chemical, mining, paper making, environmental protection, metallurgy, food, sand, Decoration and other industries.

技术参数 SPECIFICATIONS

1. 滤层执行标准：绕焊不锈钢筛管（SY5182-87）；
2. 直径(mm)：25.4、33、38、50、57、76、89、105、117、130、850；特殊规格尺寸可按用户要求订制生产

1. Filter layer standard: Around-welded stainless steel sieve tube (SY5182-87).
2. Outside diameter(mm): 25.4, 33, 38, 50, 57, 76, 89, 105, 117, 130, 850; Special size can customized as customers' request