

卫生级过滤器

Sanitary Filter

YODSN 永德信®



卫生级过滤器 Sanitary Filter

应用 / Applications

- 卫生级过滤器，主要用于保护泵、仪器仪表和其它设备能正常工作。由于其结构紧凑，过滤能力强，压损小，维护方便等特点，广泛应用于饮料，制药，乳制品等领域。
- Sanitary filter, mainly used in the protecting of pumps, instrumentation and other devices to work properly. Because of its compact structure, strong filtering ability, small pressure loss, convenient maintenance etc., they are widely used in beverage, pharmaceutical, dairy and other fields.

工作原理 / Operating principles

- 该过滤器基本上由带进口和出口的过滤体组成，筛网装于过滤体的内部，筛网保留所有等于或大于网孔的颗粒。当过滤器前后压差超出要求或滤芯损坏时，只须将滤芯取出，清洗干净或更换滤芯，重新安装好便可使用。
- The filter consists of a cartridge with outlet and inlet, and an inner screen to filter all the particulates which are no smaller than the meshes. When surrounding pressure of the filter exceeds demand, or when the filter core is damaged, you can remove the filter, clean or change new filter core, and re-install it.

材质 / Materials

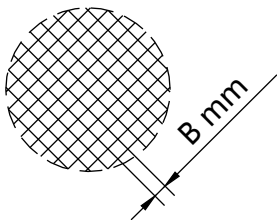
- 壳体: 304/316L
- 冲孔板滤芯: 304/316L
- 金属网滤芯: 304/316L
- 密封圈: EPDM (标配)
- 内外表面处理: $Ra \leq 0.8 \mu m$
- Cartridge: 304/316L
- Metal mesh: 304/316L
- Perforated plate: 304/316L
- Gasket: EPDM
- Inner polish: $Ra \leq 0.8 \mu m$



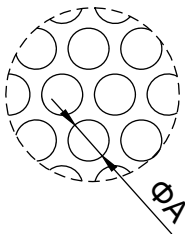
根据使用要求可选用不同的滤芯，其滤芯有三种类型（冲孔板网滤芯，金属丝网滤芯及楔形滤芯）其过滤能力如下：

can be matched by different cores according to usage requirements. There are three types of cores(metal mesh,perforated plate and wedge wire)

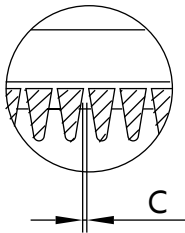
The filtering capabilities are as follows



金属丝网滤芯 Metal Mesh		
目数 Mesh	B(mm)	有效面积 Useful surface(%)
30	0,55	48
40	0,40	46
60	0,30	52,6
80	0,20	42
100	0,15	36,2
165	0,10	45,4



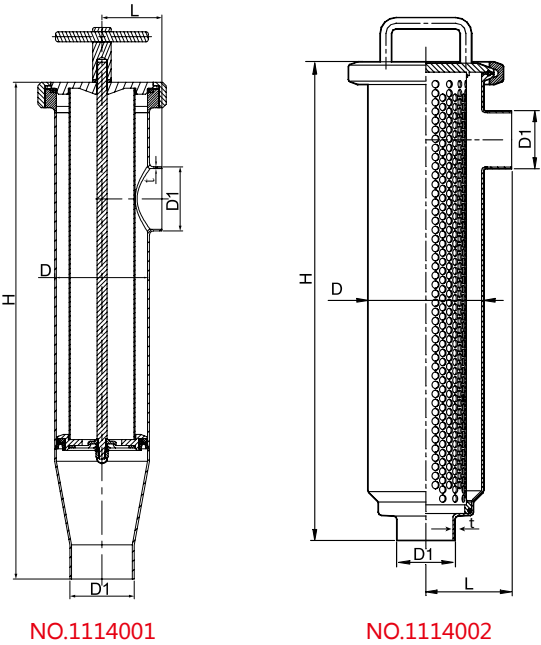
冲孔板网滤芯 Perforated Plate	
A 孔径(mm)	有效面积 Useful surface(%)
0,5	15
1	28
1,5	33
2	30
3	33
5	46



楔形滤芯 Wedge Wire		
目数 Mesh	C(mm)	有效面积 Useful surface(%)
30	0,55	48
40	0,40	46
60	0,30	52,6
80	0,20	42
100	0,15	36,2
165	0,10	45,4

角式过滤器

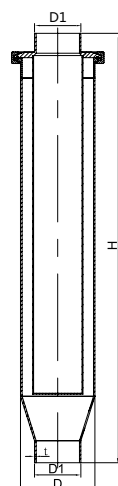
Angle Type Strainer



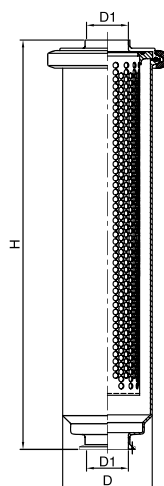
DIN					
SIZE	H	L	D1	D	t
DN25	390	85	28	85	1.5
DN32	403	85	34	85	1.5
DN40	403	85	40	85	1.5
DN50	403	85	52	85	1.5
DN65	440	100	70	114	2.0
DN80	513	110	85	129	2.0
DN100	660	125	104	154	2.0

INCH					
SIZE	H	L	D1	D	t
1"	390	85	25.4	85	1.5
1 ¹ / ₄ "	403	85	31.8	85	1.5
1 ¹ / ₂ "	403	85	38.1	85	1.5
2"	403	85	50.8	85	1.5
2 ¹ / ₂ "	440	100	63.5	114	2.0
3"	480	110	76.2	114	2.0
3 ¹ / ₂ "	513	110	89	129	2.0
4"	600	125	101.6	154	2.0

直通过滤器 Straight Type Strainer



NO.1114003

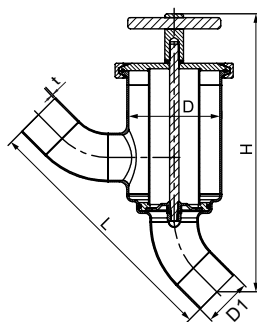


NO.1114004

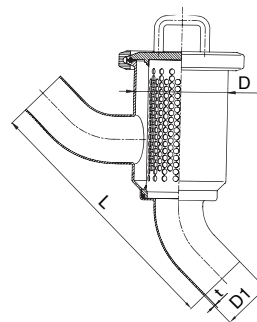
DIN					
SIZE	H	D1	D	t	
DN25	425	28	85	1.5	
DN32	438	34	85	1.5	
DN40	438	40	85	1.5	
DN50	438	52	85	1.5	
DN65	480	70	114	2.0	
DN80	561	85	129	2.0	
DN100	655	104	154	2.0	

INCH					
SIZE	H	D1	D	t	
1"	425	25.4	85	1.5	
1 1/4"	438	31.8	85	1.5	
1 1/2"	438	38.1	85	1.5	
2"	438	50.8	85	1.5	
2 1/2"	480	63.5	114	2.0	
3"	525	76.2	114	2.0	
3 1/2"	561	89	129	2.0	
4"	655	101.6	154	2.0	

Y型过滤器 Y Type Strainer



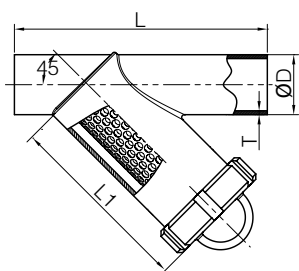
NO.1114005



NO.1114006

DIN					
SIZE	H	L	D1	D	t
DN25	285	205	28	102	1.5
DN32	292	230	34	102	1.5
DN40	292	242	40	102	1.5
DN50	310	280	52	102	1.5
DN65	372	360	70	114	2.0
DN80	390	408	85	114	2.0
DN100	560	460	100	154	2.0

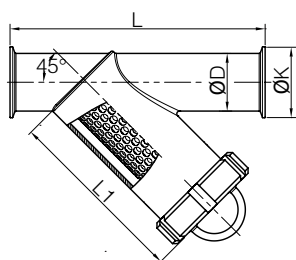
INCH					
SIZE	H	L	D1	D	
1"	285	205	25.4	102	
1 1/4"	292	230	31.8	102	
1 1/2"	292	242	38.1	102	
2"	310	280	50.8	102	
2 1/2"	372	360	63.5	114	
3"	390	408	76.2	114	
3 1/2"	390	408	89	114	
4"	560	460	101.6	154	



NO.1114007

焊接式 Y 型过滤器
Welded Y-Type Strainer

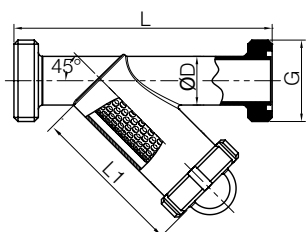
SIZE				L	L1
DIN	D × T	INCH	D × T		
DN25	28 × 1.5	1"	25.4 × 1.5	124.5	95
DN32	34 × 1.5	1 ^{1/4} "	31.8 × 1.5	149	118.5
DN40	40 × 1.5	1 ^{1/2} "	38.1 × 1.5	149	118.5
DN50	52 × 1.5	2"	50.8 × 1.5	194	149.5
DN65	70 × 2	2 ^{1/2} "	63.5 × 2	260	180.5
DN80	85 × 2	3"	76.2 × 2	300	210.5
DN100	104 × 2	4"	101.6 × 2	410	270.5



NO.1114008

夹式 Y 型过滤器
Clamped Y-Type Strainer

SIZE				L	L1
DIN	D × K	INCH	D × K		
DN25	28 × 50.5	1"	25.4 × 50.5	150	95
DN32	34 × 50.5	1 ^{1/4} "	31.8 × 50.5	192	110
DN40	40 × 50.5	1 ^{1/2} "	38.1 × 50.5	192	120
DN50	52 × 64	2"	50.8 × 64	237	140
DN65	70 × 91	2 ^{1/2} "	63.5 × 77.5	303	175
DN80	85 × 108	3"	76.2 × 91	343	195
DN100	104 × 119	4"	101.6 × 119	453	260

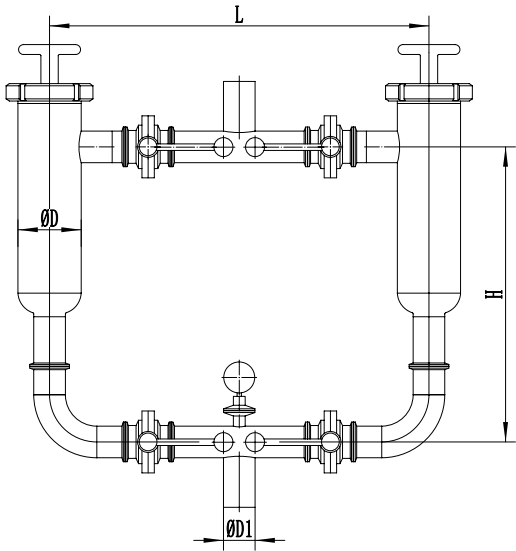


NO.1114009

螺纹式 Y 型过滤器
Threaded Y-Type Strainer

SIZE					L	L1
DIN	G	SMS	D	G		
DN25	RD52 × 1/6	25	25.4	RD40 × 1/6	145.5	95
DN32	RD58 × 1/6	32	31.8	RD48 × 1/6	170	110
DN40	RD65 × 1/6	38	38.1	RD60 × 1/6	170	120
DN50	RD78 × 1/6	51	50.8	RD70 × 1/6	215	140
DN65	RD95 × 1/6	63	63.5	RD85 × 1/6	283	175
DN80	RD110 × 1/4	76	76.2	RD98 × 1/6	326	195
DN100	RD130 × 1/4	102	101.6	RD125 × 1/4	439	260

双联过滤器
Duplex Filter



NO.1114010

DIN				
SIZE	D1	D	L	H
DN40	41	85	450	392
DN50	53	85	538	422
DN65	70	102	570	545

INCH				
SIZE	D1	D	L	H
1½"	38.1	85	450	392
2"	50.8	85	538	422
2½"	63.5	102	570	545

微孔过滤器

Microporous Filter

应用 / Applications

- 在食品加工，化妆品和一些化学工业，还有制药工业的辅助服务中，过滤器有着广泛的应用。
- Filters are widely used in the auxiliary service for food processing, cosmetic, chemicals and pharmacy industries.

工作原理 / Operating principles

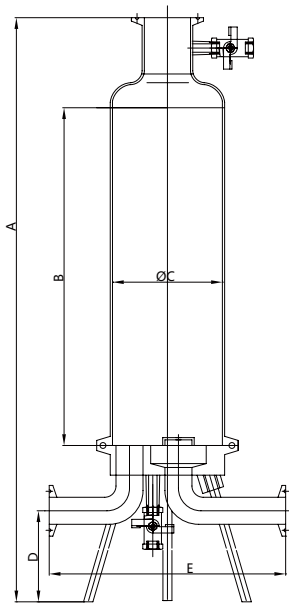
- 微孔过滤器它可以滤除液体、气体的0.1um以上的微粒和细菌，它有过滤精度高、过滤速度快、吸附少、无介质脱落、耐酸碱腐蚀、操作方便等优点。现已广泛用于医药、化工、电子、饮料、果酒、生化处理、环保等工业的必需设备。
- 其特点是体积小、重量轻、使用方便、过滤面积大、堵塞率低、过滤速度快、无污染、热稀稳定性及化学稳定性好。
- 用户在使用前，必须根据过滤用途、介质情况、配置不同形式、不同材质的滤芯。
- 如GMP厂制药用水，可以和5um和1.0um折叠膜筒式滤芯两组串接使用。在发酵工业中空气过滤，可以对送入空气进行除菌，除噬菌体过滤，也可封排出尾气进行处理，达到美国细菌过滤HIM标准。
- Microporous filter can eliminate the particulates and bacteria larger than 0.1um from liquids and gas. Due to the following advantages: high precision, fast speed. Low adsorption, no media fall off, acid-resistant, lye-resistant. Easy operation. It is widely used in pharmacy, chemical, winery, beverage industries. Etc.
- Futures: small volume, lightweight, large filter area, low jam, fast filter speed. non-pollution, good chemical and calorific stabilities.
- Users should configure different material and type of filter for different purpose and medium.
- For example, for GMP pharmacy water, we use 5um and 0.1um folded sleeve filters tandem. Another one. In ferment industry, before inputting air, this filter can annihilate the bacteria; in addition, it can dispose the exhaust till the gas reaches HIM standard.



技术标准 / Technical Standards

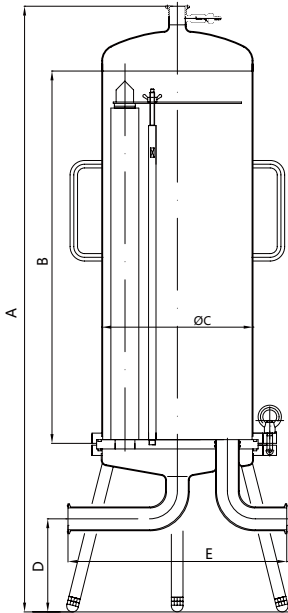
- 滤芯材质：聚丙烯膜(PP)滤芯，聚四氟乙烯膜(PTFE)滤芯，醋酸纤维膜(CN-CA)滤芯。
- 滤芯精度：0.2-60um
- 长度有 10；20；30和40英寸(即250；500；750；1000mm)
- 滤芯耐压：0.42mpa，可反冲。
- 接口方式有插入式(222、226座二种)和平嘴式二种。
- Materials for filter: PP/PTFE/CN-CA
- Presicion: 0.2-60um
- Length: 10", 20", 30", 40" (250,500,750,1000mm)
- Pressure resistance: 0.42mpa. Bounce-backed
- Connections: plugged (222,226)/flat nib style

单芯过滤器
Single core Filter



NO.1114011

多芯过滤器
Multi-cores filter



NO.1114012

单芯过滤器
Single core Filter

SIZE	A	B	C	D	E
10"	708	300	102	260	210
20"	958	550	102	260	210
30"	1208	800	102	260	210
40"	1408	1000	102	260	210

多芯过滤器
Multi-cores filter

No.of Cartridges	A			B			C	D	E
	20"	30"	40"	20"	30"	40"			
3-4R	970	1220	1470	600	800	1050	219	200	360
5-6R	1055	1255	1505	600	800	1050	250	200	400
7R	1028	1278	1528	600	800	1050	273	200	420
8R	1048	1298	1548	600	800	1050	300	200	450
9R	1048	1298	1548	600	800	1050	325	200	470
11-12R	1057	1307	1557	600	800	1050	350	200	500

空气呼吸器 Rebreather

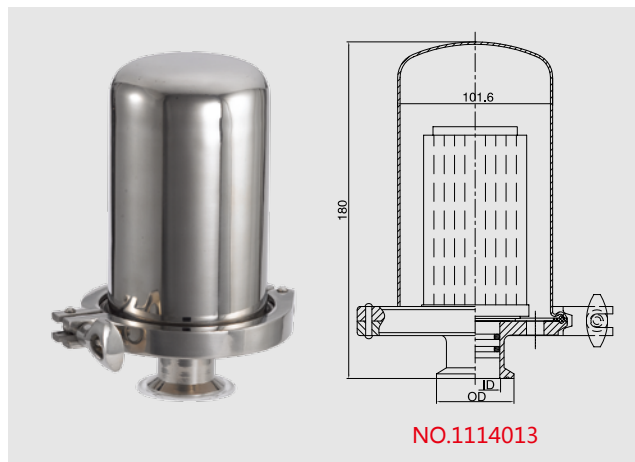
应用 / Applications

利用微孔过滤器的过滤原理，防止储罐因液位下降吸入空气时外部空气中尘埃粒子的进入，保证了罐内空气的洁净度。

- 壳体材料采用进口316L或304
- 内表面经抛光处理
- 表面粗糙度 $Ra \leq 0.4 \mu m$
- 通量: $0.75m^3/min$ 、 $1.5m^3/min$ 、 $3m^3/min$
- 接口方式有: 卡箍式、法兰

The principle is same as microporous filter. It can prevent the outside particulates coming into the storage tank due to the liquid level descends. It ensures the air purity in the tank.

- Housing material: 316L/304.
- Inner surface polish: $Ra \leq 0.4 \mu m$
- Capacity: $0.75/min$, $1.5/min$, $3/min$
- Connection ends: Clamped. Flanged

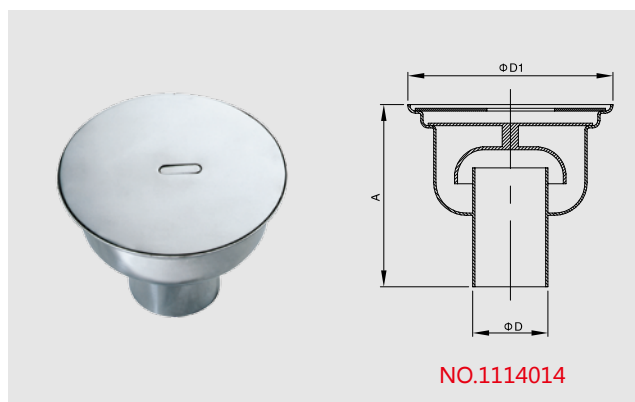


SIZE	ID	OD
1"	22	50.5
1 1/4"	29	50.5
1 1/2"	35	50.5
2"	48	64

卫生地漏 Drainer

应用 / Applications

- 该地漏适用于食品、改料，制药等卫生洁净车间。
- 全不锈钢制作，304/316L
- 规格从1"-4"，DN25-DN100
- 设计有网孔和污料斗防止颗粒污料进入堵塞排泄管道
- 可取下盖子和污料斗清洗地漏防止细菌繁殖
- The drainer is used in the hygienic workshops of food processing, pharmacy industries.
- Material: 304/316L
- Size: 1"- 4", DN25-DN100
- Metal meshes and hopper can keep dirty particulates from blocking pipeline.
- Cover and hopper can be cleaned to prevent bacteria from propagating.



SIZE	A	D	D1
1"	80	25	130
1 1/2"	80	38	130
2"	100	51	195
2 1/2"	100	63	195
3"	130	76	230
4"	130	100	230