

BOWNT BOD

自动反洗叠片过滤系统

Automatic Back Flushing Disc Filtration
System



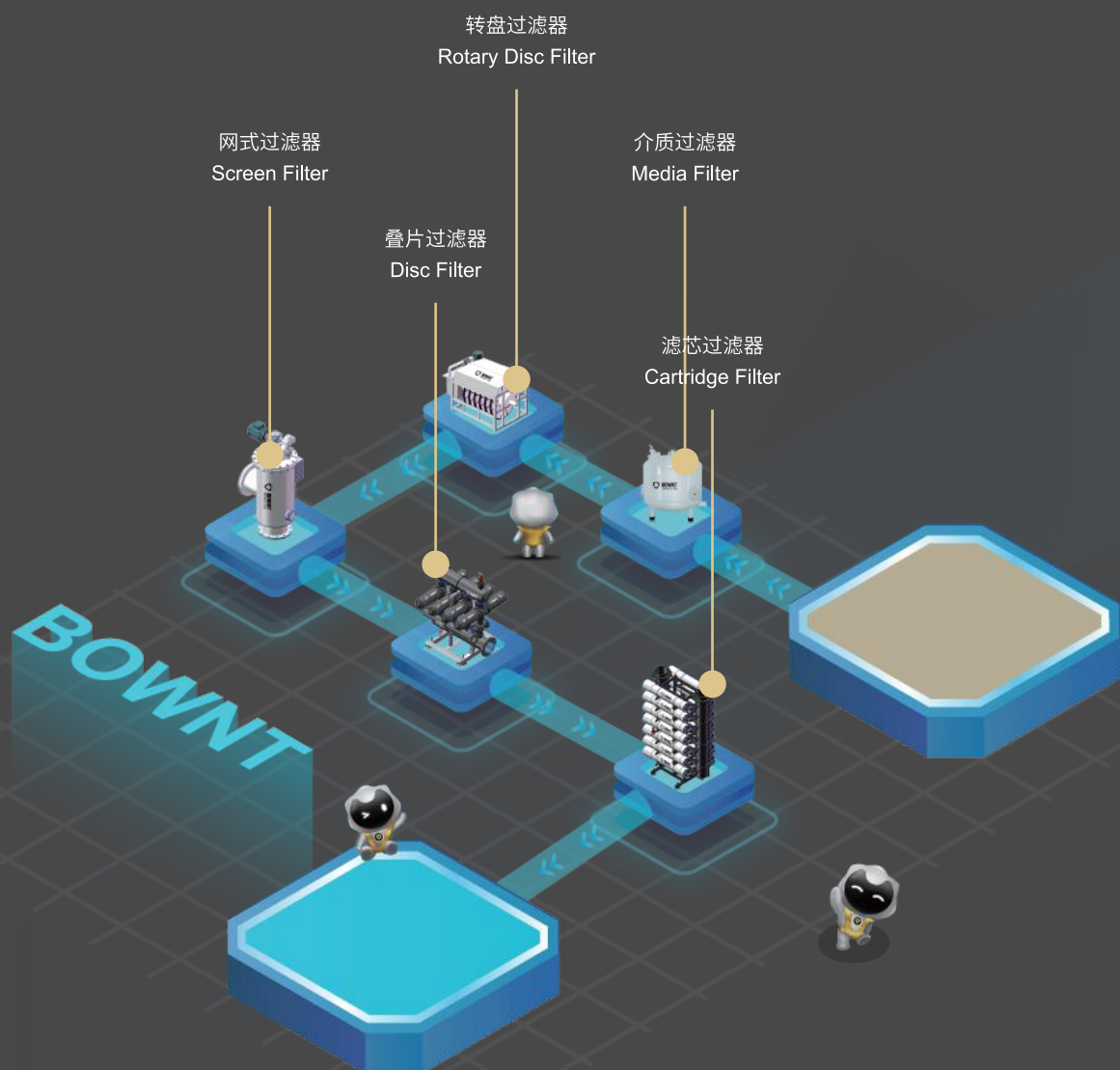
PURIFICATION IN ACTION

全球领先机械过滤解决方案综合服务商
World-leading Mechanical Filtration Solution Service Provider



CUSTOMIZED SOLUTIONS

解决方案, 量身打造



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更多产品信息尽在



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Automatic Filter Unit

BOD 600自动过滤单元

01

过滤高效稳定, 反洗水量极小。

Efficient filtration with low back flushing water consumption.

02

壳体材质为玻璃纤维加强聚酰胺, 坚固耐用, 最大承压可达145psi (1.0Mpa)。

Filter shell is made of glassfiber reinforced polyamide, sturdy and durable, with maximum pressure up to 145psi (1.0Mpa).

03

水力/气源驱动自动反洗, 内源、外源及气水混合反洗可选。

Optional for hydraulic/ pneumatic/ internal/ external/ mixing(hydraulic and pneumatic) actuate a back flushing cycle.

04

根据压差 / 定时进行自动反洗, 反洗时系统不断流。

Back flushing cycle can be activated by differential pressure & timing, without an interruption of filtration.



05

模块化设计,可按空间自由组合,节省占地。

Modular design for space saving, free combination according to the mounting space.

06

过滤精度可以选择20、50、100、130、200、400微米(其他精度可以咨询厂家),适应不同工况环境。

Filtration grade optional for 20/ 50/ 100/ 130/ 200/ 400 micron etc, adapted on defferent working conditions, further requirements please refer to the manufacture.

07

叠片耐腐蚀性能强,适合复杂流体和环境。

Filter discs with high corrosion resistance, applicable for complex fluids.

08

系统维护成本低,运行安全可靠,使用寿命长。

Low maintenance cost, reliable safe operation and long service life.

技术参数

Technical Data

产品型号 Model	最大流量 Max.Flow gpm (m³/h)	反洗流量 Backwashing Flow gpm (l/s)	过滤面积 Filtration Area inch² (cm²)	最大压力 Max.Pressure psi (Mpa)
D600D50S	110	47.55	252.7	145
	25	3	1630	1.0
D600D80N	154	47.55	252.7	145
	35	3	1630	1.0
D600D100N	308	95.1	505.3	145
	70	6	3260	1.0

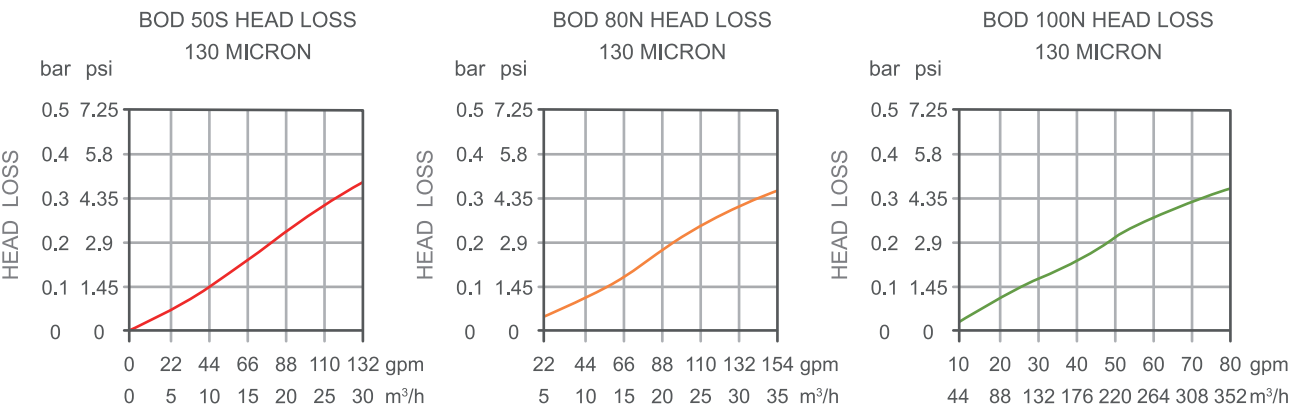
叠片颜色
Disc Color

400微米 (42目) 400 Micron (42 Mesh)	200微米 (75目) 200 Micron (75 Mesh)	130微米 (120目) 130 Micron (120 Mesh)
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100微米 (150目) 100 Micron (150 Mesh)	50微米 (300目) 50 Micron (300 Mesh)	20微米 (700目) 20 Micron (700 Mesh)
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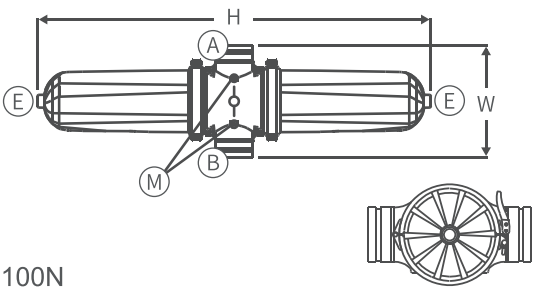
邦沃特自动反冲洗过滤器水头损失表

BOWNT BOD Filter Head Loss

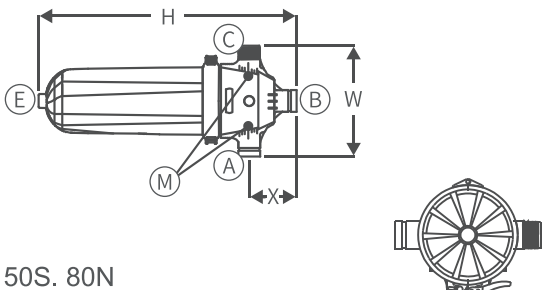


产品型号 Model	接口尺寸 Connection	描述 Description	过滤精度 Filtration Degree	
			微米 Micron	目 Mesh
D600D50SL	90°卡口接口/GROOVED	2" 超大叠片过滤器单元	400	42
D600D50SM	180°卡口接口/GROOVED	2" Super Disc Filter Unit	200	75
D600D80NL	90°卡口接口/GROOVED	3" 叠片过滤器单元	130	120
D600D80NM	180°卡口接口/GROOVED	3" Disc Filter Unit	100	150
D600D100NM	180°卡口接口/GROOVED	4" 叠片过滤器单元	50	300
		4" Disc Filter Unit	20	700

尺寸 | Dimensions



100N



50S. 80N

产品型号 Model	接口尺寸 Connection			尺寸 / Dimensions inch (mm)					重量 Weight (kg)
	A	B	C	E	M	H	W	X	
D600D50SL	2" VIC	2" VIC	2" BSP	3/4" BSP	1/4" BSP	28.46	12.2	5.27	9.7
D600D50SM	2" VIC	2" BSP	2" VIC			723	310	134	
D600D80NL	3" VIC	3" VIC	3" BSP	3/4" BSP	1/4" BSP	28.7	13.26	5.82	9.9
D600D80NM	3" VIC	3" BSP	3" VIC			729	337	148	
D600D100NM	4" VIC	4" VIC		3/4" BSP	1/4" BSP	47.24 1200	13.42 343		24

Internal Backwashing Filter

内源反洗过滤器

产品特点

Characteristic

01

过滤高效稳定, 反洗水量极小。

Efficient filtration with low back flushing water consumption.

03

根据压差/定时进行自动反洗, 反洗时系统不断流。

Back flushing cycle can be activated by differential pressure& timing, without an interruption of filtration.

05

过滤精度可以选择20、50、100、130、200、400微米。
(其他精度可以咨询厂家)

Filtration degree optional for 20/ 50/ 100/ 130/ 200/ 400 micron etc, further requirements please refer to the manufacture.

07

叠片耐腐蚀性强, 适合复杂流体和环境。

Filter discs with high corrosion resistance, applicable for complex fluids.

02

水力/气源驱动自动反洗。

Hydraulic/ pneumatic drive automatic back flushing.

04

可按空间模块化自由组合, 节省占地。

Modular design for space saving, free combination according to the mounting space.

06

法兰连接标准可选择ANSI B16.5/DIN2576/ GB9119。

Flange standard optional for ANSI B16.5/ DIN2576/ GB9119.

08

系统维护成本低, 运行安全可靠, 使用寿命长。

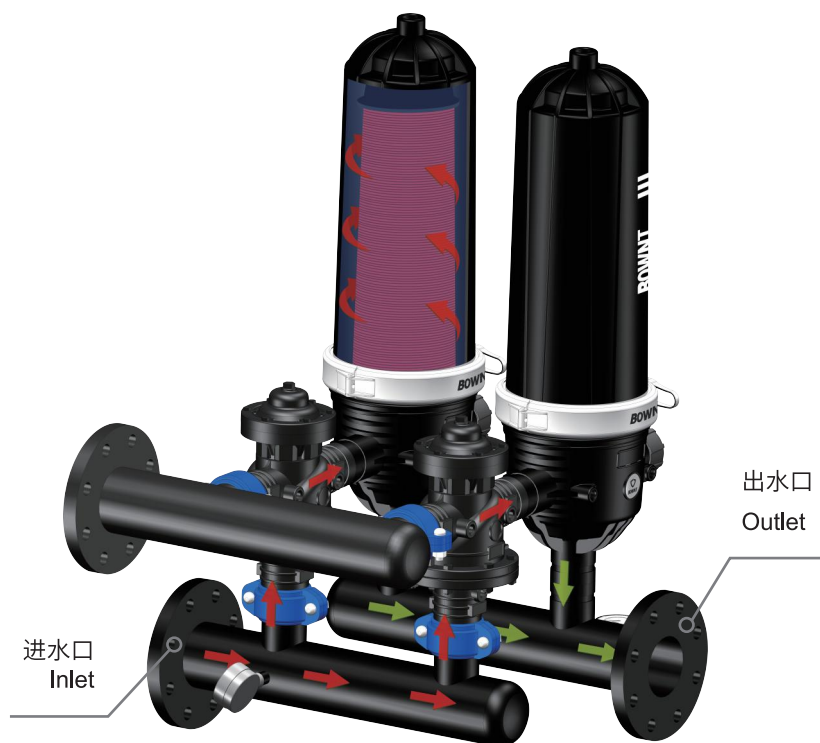
Low maintenance cost, reliable safe operation and long service life.

工作原理

Working Principle

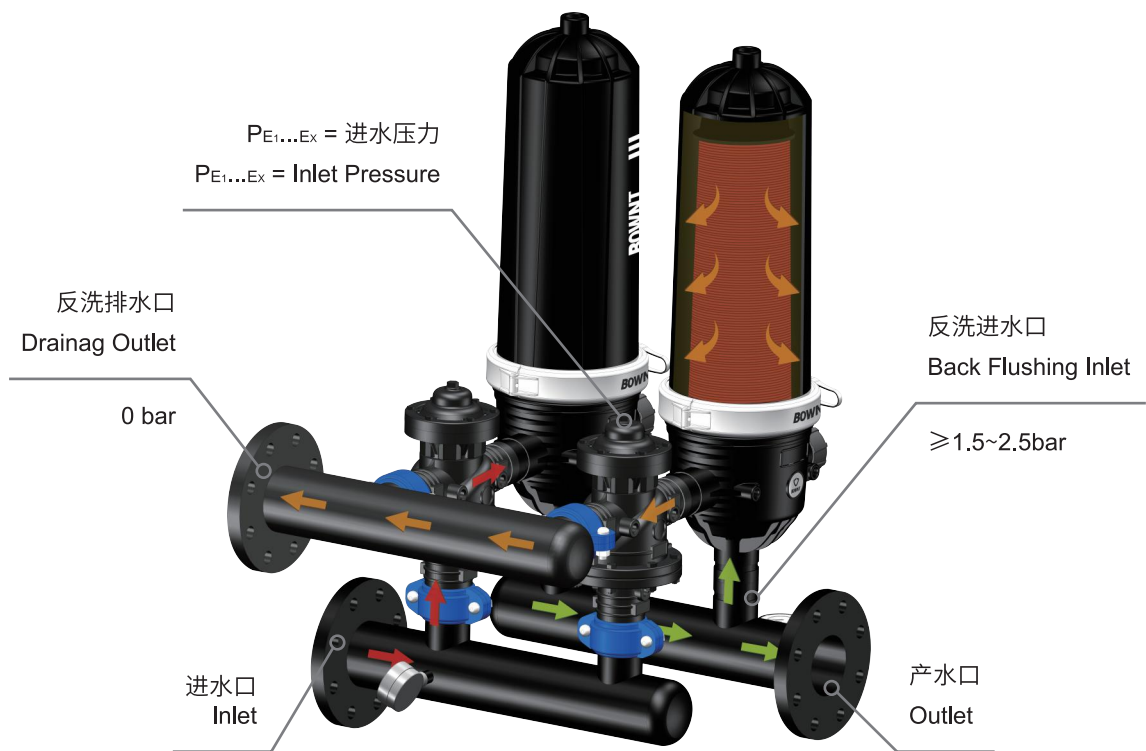
过滤阶段 / Filtering

- 过滤芯架上部活塞压紧叠片。
 - 水流由进水口进入。
 - 水流通过离心盘，水流的离心力将大颗粒杂质甩在内壁上，并集中于过滤单元顶部，携带少量杂质的水再通过叠片过滤，降低了叠片的清洗频率，达到了节水的效果。
 - 携带更少杂质的水继续通过压紧的叠片之间的缝隙进入到深层过滤，过滤后的干净水从叠片内腔流出到出水口。
- Filter discs are compressed tightly in the filter element frame.
 - Water fills into the filter unit through the inlet manifold.
 - Feed water flows through the centrifugal disk, most particles in the water are thrown to the inner filter shell surface, and concentrated on the top, the rest particles are intercepted on the discs surface during filtering, which greatly reduces the back flushing frequency and water consumption.
 - Water with less particles goes through the disc channels for a deep filtration, clean water through the inner disc passage flows to the outlet manifold.



反洗阶段 / Back Flushing

- 进水两位三通阀切换水流方向。
 - 反洗水流(过滤后的带压力水)从过滤芯架下部出水口吸入,过滤芯架上部活塞上提,叠片松散开。
 - 反洗水流从过滤芯架柱体上的小孔喷射到散开的叠片上,使叠片产生横向旋转和纵向颤动运动,在叠片快速旋转过程中水流对叠片进行由内向外的彻底清洗,最后清洗水从排污口排出。
 - 反洗完成后活塞复位,压紧叠片,开始新一轮过滤。
- The three-way valves of the feed water switch direction.
 - Filtered water under the pressure reverses from the bottom of filter frame, lifts the top plunger and looses the discs.
 - Clean water sprays from the wholes in the filter element frame, spins and shakes the discs at a high speed for the purpose of rinse thoroughly, waste water after back flushing discharged from the drain line.
 - The top plunger returns to position to compress the discs once finished of a back flushing cycle, and filter unit begins filtration process.



PURIFICATION IN ACTION

BOD S(P)2000/3000系列 自动反洗叠片过滤系统

BOD S (P) 2000/3000 Series Automatic Back Flushing Disc Filtration System

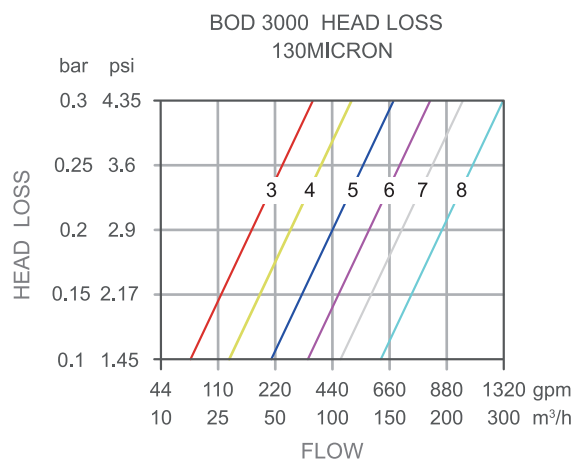
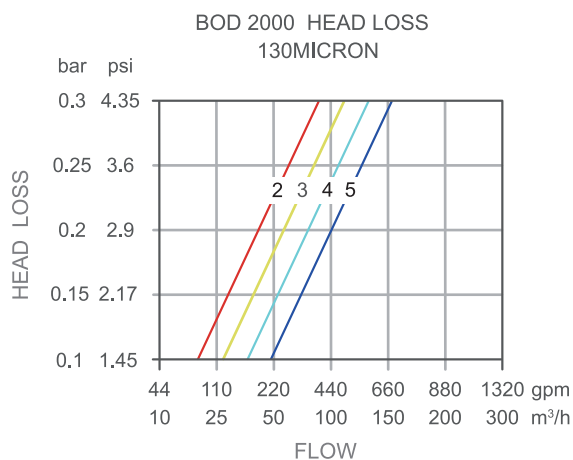


技术参数

Technical Data

过滤单元 / Filter Unit		2" / 3"
最大工作压力 / Max. Working Pressure	psi(Mpa)	145(1.0)
最小反洗压力 / Min. Back Flushing Pressure	psi(Mpa)	标准系列 / Standard Series (S) 36.25 (0.25) 低压系列 / Low Pressure Series (P) 21.75 (0.15)
单元外壳材质 / Filter Shell Material		玻璃纤维加强聚酰胺 / Glassfiber Reinforced Polyamide
叠片材质 / Disc Material		聚丙烯 / PP
密封材料 / Sealing Material		NBR+不锈钢抱箍 / NBR+ Stainless Steel Clamp
反洗流量 / Back Flushing Water Consumption	gpm(l/s)	47.55 (3)
建议反洗压差 / Advise Back Flushing DP	psi(Mpa)	7.25 (0.05)
过滤面积 / Filtration Area	inch²(cm²)	252.7 (1630)
重量 / Weight	kg	9.7 / 9.9
PH		4-13
温度 / Temperature	°F (°C)	32-140 (0-60)

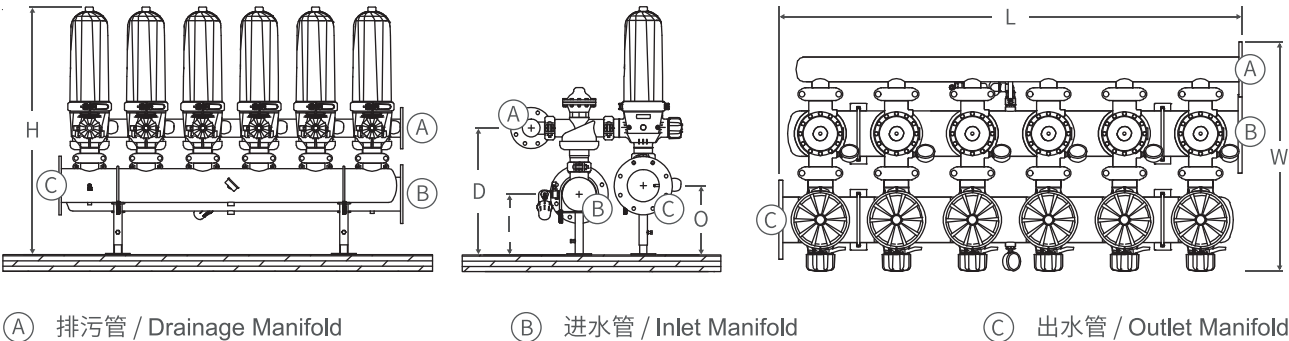
BOD	产品型号 Model	最大流量 Max.Flow gpm (m³/h)	滤头数×尺寸 Filter Unit × Size inch	进出水管 Inlet / Outlet inch DN PN 1.0	控制系统 Control Unit 220V AC
BOD S(P)2000	BOD S(P)202/3F	220 50	2×2"	3" 80	BOA DO 102
	BOD S(P)203/4F	330 75	3×2"	4" 100	BOA DO 103
	BOD S(P)204/4F	440 100	4×2"	4" 100	BOA DO 104
	BOD S(P)205/6F	550 125	5×2"	6" 150	BOA DO 105
BOD S(P)3000	BOD S(P)303/6F	462 105	3×3"	6" 150	BOA DO 103
	BOD S(P)304/6F	616 140	4×3"	6" 150	BOA DO 104
	BOD S(P)305/6F	770 175	5×3"	6" 150	BOA DO 105
	BOD S(P)306/8F	924 210	6×3"	8" 200	BOA DO 106
	BOD S(P)307/8F	1078 245	7×3"	8" 200	BOA DO 107
	BOD S(P)308/8F	1232 280	8×3"	8" 200	BOA DO 108



注：最大过滤流量及清洗数据是按照130微米过滤精度、水质较好工况的数据，实际过滤流量与所选过滤精度和水质有关，具体请咨询本公司。

Note: The maximum flow rate and cleaning data is based on 130 micron for the filtration grade and good water quality. The actual filtration flow and the filtration grade are related to water quality. Please refer to our company for details.

尺寸 | Dimensions



产品型号 Model	尺寸 / Dimensions inch (mm)					
	L	W	H	I	O	D
BOD S (P) 202/3F	22.64 575	29.33 745	42.80 1087	10.08 256	10.63 270	19.61 498
BOD S (P) 203/4F	33.46 850	29.33 745	43.78 1112	10.59 269	11.18 284	20.59 523
BOD S (P) 204/4F	44.29 1125	29.33 745	43.78 1112	10.59 269	11.18 284	20.59 523
BOD S (P) 205/6F	55.12 1400	30.43 773	45.79 1163	11.61 295	12.17 309	22.60 574
BOD S (P) 303/6F	33.46 850	32.68 830	47.44 1205	11.61 295	13.27 337	24.25 616
BOD S (P) 304/6F	44.29 1125	32.68 830	47.44 1205	11.61 295	13.27 337	24.25 616
BOD S (P) 305/6F	55.12 1400	32.68 830	47.44 1205	11.61 295	13.27 337	24.25 616
BOD S (P) 306/8F	65.94 1675	33.07 840	49.57 1259	12.68 322	14.33 364	26.38 670
BOD S (P) 307/8F	76.77 1950	33.07 840	49.57 1259	12.68 322	14.33 364	26.38 670
BOD S (P) 308/8F	87.60 2225	33.07 840	49.57 1259	12.68 322	14.33 364	26.38 670

BOD S(P)4000系列
自动反洗叠片过滤系统

BOD S (P) 4000 Series Automatic
Back Flushing Disc Filtration System

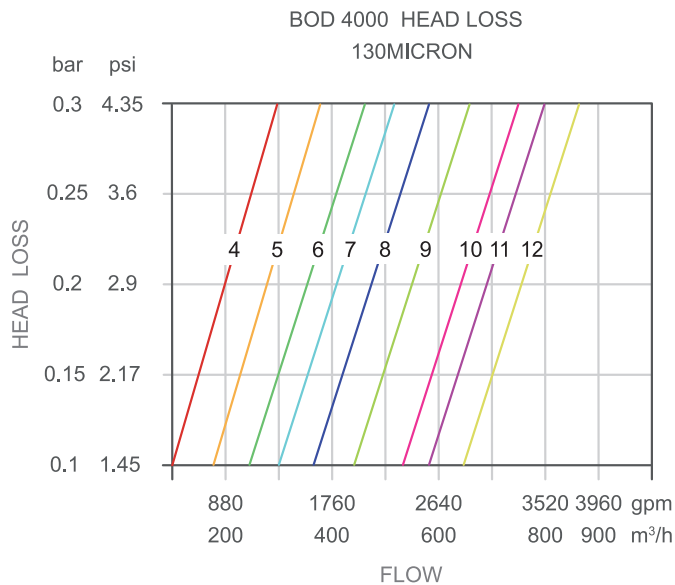


技术参数

Technical Data

过滤单元 / Filter Unit		4"
最大工作压力 / Max. Working Pressure	psi(Mpa)	145(1.0)
最小反洗压力 / Min. Back Flushing Pressure	psi(Mpa)	标准系列 / Standard Series (S) 36.25 (0.25)
		低压系列 / Low Pressure Series (P) 21.75 (0.15)
单元外壳材质 / Filter Shell Material		玻璃纤维加强聚酰胺 / Glassfiber Reinforced Polyamide
叠片材质 / Disc Material		聚丙烯 / PP
密封材料 / Sealing Material		NBR+不锈钢抱箍 / NBR+ Stainless Steel Clamp
反洗流量 / Back Flushing Water Consumption	gpm(l/s)	95.1 (6)
建议反洗压差 / Advise Back Flushing DP	psi(Mpa)	7.25 (0.05)
过滤面积 / Filtration Area	inch²(cm²)	505.3 (3260)
重量 / Weight	kg	24
PH		4-13
温度 / Temperature	°F (°C)	32-140 (0-60)

产品型号 Model	最大流量 Max.Flow gpm (m³/h)	滤头数×尺寸 Filter×Size inch	进出水口 Inlet / Outlet inch (DN PN 1.0)	控制系统 Control Unit 220V AC
BOD S (P) 404/8F	968 220	4×4"	8" 200	BOA DO104
BOD S (P) 405/8F	1210 275	5×4"	8" 200	BOA DO105
BOD S (P) 406/8F	1452 330	6×4"	8" 200	BOA DO106
BOD S (P) 407/10F	1694 385	7×4"	10" 250	BOA DO107
BOD S (P) 408/10F	1936 440	8×4"	10" 250	BOA DO108
BOD S (P) 409/12F	2178 495	9×4"	12" 300	BOA DO109
BOD S (P) 410/12F	2420 550	10×4"	12" 300	BOA DO110
BOD S (P) 411/12F	2662 605	11×4"	12" 300	BOA DO111
BOD S (P) 412/14F	2904 660	12×4"	14" 350	BOA DO112



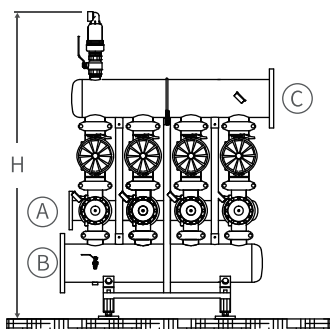
注1:更大流量的SS4000系列过滤系统,具体请咨询我公司。

Note 1: SS4000 series filtration system is available to meet with larger flowrate, please contact us for further requirements.

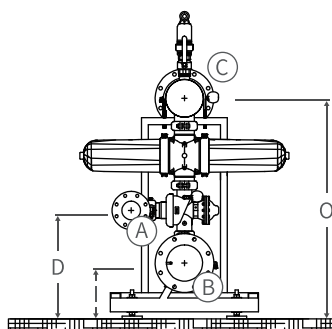
注2:最大过滤流量及清洗数据是按照130微米过滤精度、水质较好工况的数据,实际过滤流量与所选过滤精度和水质有关,具体请咨询本公司。

Note 2: The maximum flow rate and cleaning data is based on 130 micron for the filtration grade and good water quality. The actual filtration flow and the filtration grade are related to water quality. Please refer to our company for details.

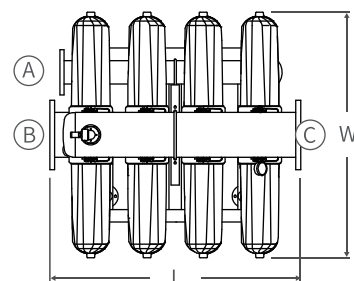
尺寸 | Dimensions



① 排污管 / Drainage Manifold



② 进水管 / Inlet Manifold



③ 出水管 / Outlet Manifold

产品型号 Model	尺寸 / Dimensions inch (mm)					
	L	W	H	I	O	D
BOD S (P) 404/8F	48.23 1225	47.24 1200	69.49 1765	12.60 320	49.84 1266	24.53 623
BOD S (P) 404/8F	59.26 1500	47.24 1200	69.49 1765	12.60 320	49.84 1266	24.53 623
BOD S (P) 406/8F	69.88 1775	47.24 1200	69.49 1765	12.60 320	49.84 1266	24.53 623
BOD S (P) 407/10F	80.71 2050	47.24 1200	73.82 1875	13.78 350	53.15 1350	26.77 680
BOD S (P) 408/10F	91.54 2325	47.24 1200	73.82 1875	13.78 350	53.15 1350	26.77 680
BOD S (P) 409/12F	107.28 2725	47.24 1200	78.35 1900	15.35 390	56.77 1442	29.69 754
BOD S (P) 410/12F	118.11 3000	47.24 1200	78.35 1900	15.35 390	56.77 1442	29.69 754
BOD S (P) 411/12F	128.94 3275	47.24 1200	78.35 1900	15.35 390	56.77 1442	29.69 754
BOD S (P) 412/14F	139.76 3550	47.24 1200	83.07 2110	17.32 440	60.87 1546	32.52 826

External Backwashing Filter

外源反洗过滤器

产品特点

Characteristic

01

过滤高效稳定, 反洗水量极小。

Efficient filtration with low back flushing water consumption.

03

根据压差/定时进行自动反洗, 反洗时系统不断流。

Back flushing cycle can be activated by differential pressure & timing, without an interruption of filtration.

05

过滤精度可以选择20、50、100、130、200、400微米。
(其他精度可以咨询厂家)

Filtration degree optional for 20/ 50/ 100/ 130/ 200/ 400 micron etc, further requirements please refer to the manufacture.

07

叠片耐腐蚀性强, 适合复杂流体和环境。

Filter discs with high corrosion resistance, applicable for complex fluids.

02

最小1bar低压进水, 外接水力/气源驱动自动反洗。

1.0 bar for the minimum inlet pressure, hydraulic/ pneumatic drive automatic back flushing.

04

可按空间模块化自由组合, 节省占地。

Modular design for space saving, free combination according to the mounting space.

06

法兰连接标准可选择ANSI B16.5/ DIN2576/ GB9119。

Flange standard optional for ANSI B16.5/ DIN2576/ GB9119.

08

系统维护成本低, 运行安全可靠, 使用寿命长。

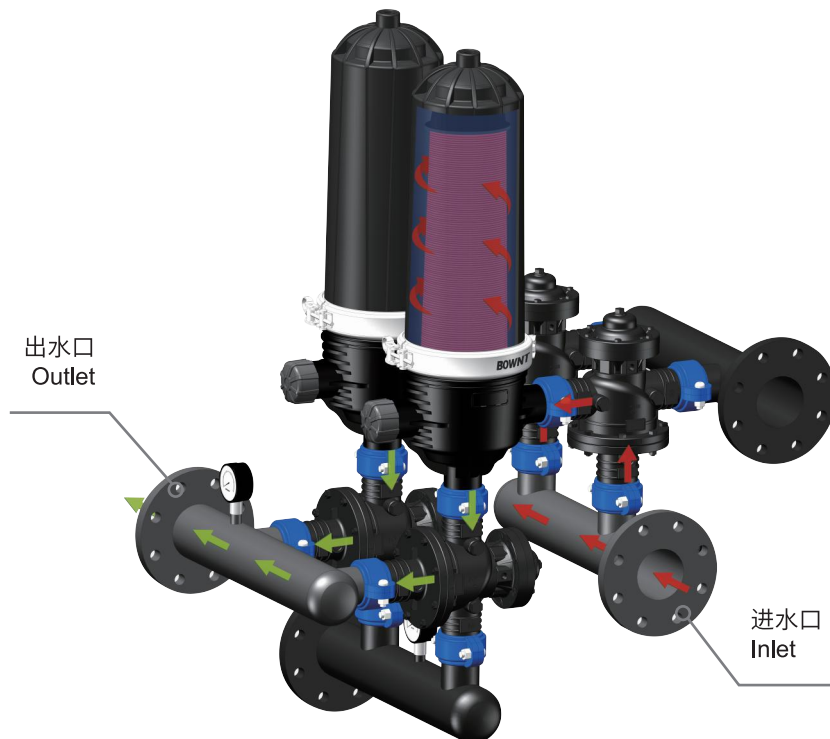
Low maintenance cost, reliable safe operation and long service life.

工作原理

Working Principle

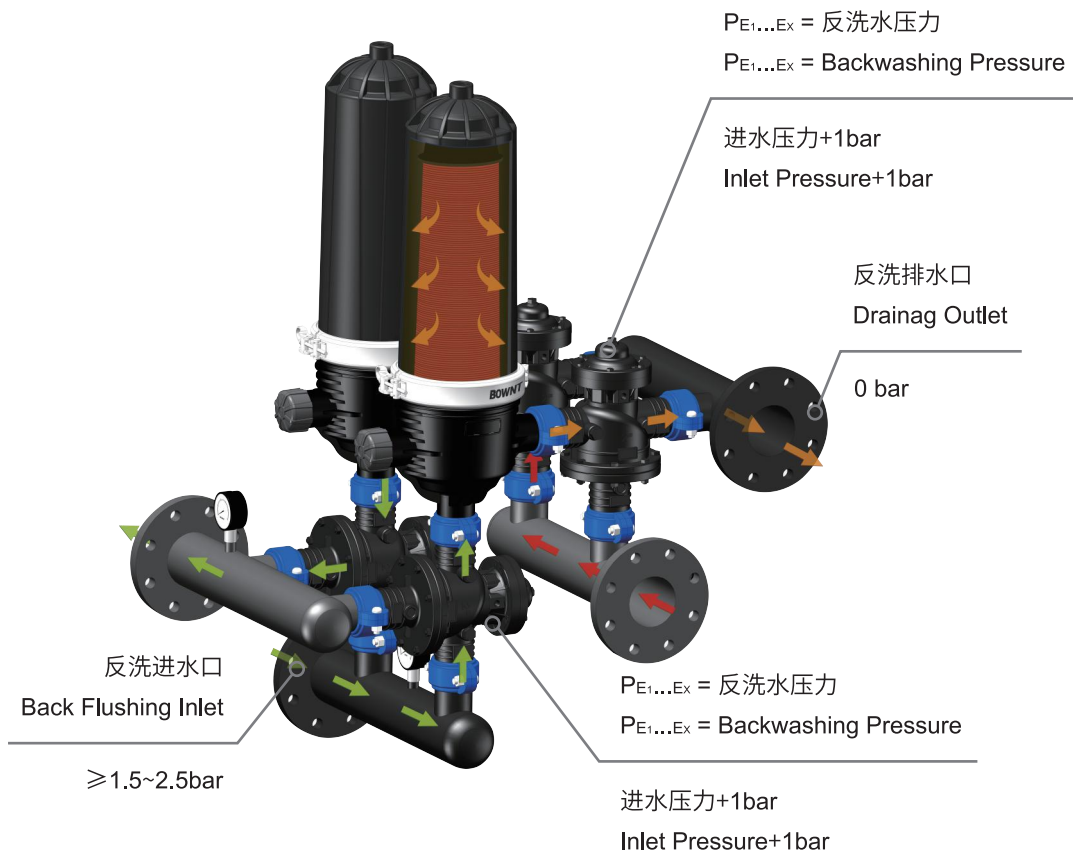
过滤阶段 / Filtering

- 过滤芯架上部活塞压紧叠片。
- 水流由进水口进入。
- 水流通过离心盘，水流的离心力将大颗粒杂质甩在内壁上，并集中于过滤单元顶部，携带少量杂质的水再通过叠片过滤，降低了叠片的清洗频率，达到了节水的效果。
- 携带更少杂质的水继续通过压紧的叠片之间的缝隙进入到深层过滤，过滤后的干净水从叠片内腔流出到出水口。
- Filter discs are compressed tightly in the filter element frame.
- Water fills into the filter unit through the inlet manifold.
- Feed water flows through the centrifugal disk, most particles in the water are thrown to the inner filter shell surface, and concentrated on the top, the rest particles are intercepted on the discs surface during filtering, which greatly reduces the back flushing frequency and water consumption.
- Water with less particles goes through the disc channels for a deep filtration, clean water through the inner disc passage flows to the outlet manifold.



反洗阶段 / Back Flushing

- 进水和出水两位三通阀同时切换水流方向。
 - 外接反洗水流从过滤芯架下部出水口吸入，过滤芯架上部活塞上提，叠片松散开。
 - 外接反洗水流从过滤芯架柱体上的小孔喷射到散开的叠片上，使叠片产生横向旋转和纵向颤动运动，在叠片快速旋转过程中水流对叠片进行由内向外的彻底清洗，最后清洗水从排污口排出。
 - 反洗完成后活塞复位，压紧叠片，开始新一轮过滤。
- The three-way valves of the feed water and filtered water switch direction at the same time.
 - Clean water outside the filter is pumped to the internal filter frame from the bottom, lifts the top plunger and loose the discs.
 - Clean water sprays from the wholes in the filter element frame, spins and shakes the discs at a high speed for the purpose of rinse thoroughly, waste water after back flushing discharged from the drain line.
 - The top plunger returns to position to compress the discs once finished of a back flushing cycle, and filter unit begins filtration process.



PURIFICATION IN ACTION

BOD Q2000系列
外源自动反洗叠片过滤系统

BOD Q2000 Series Automatic Back
Flushing Disc Filtration System



技术参数

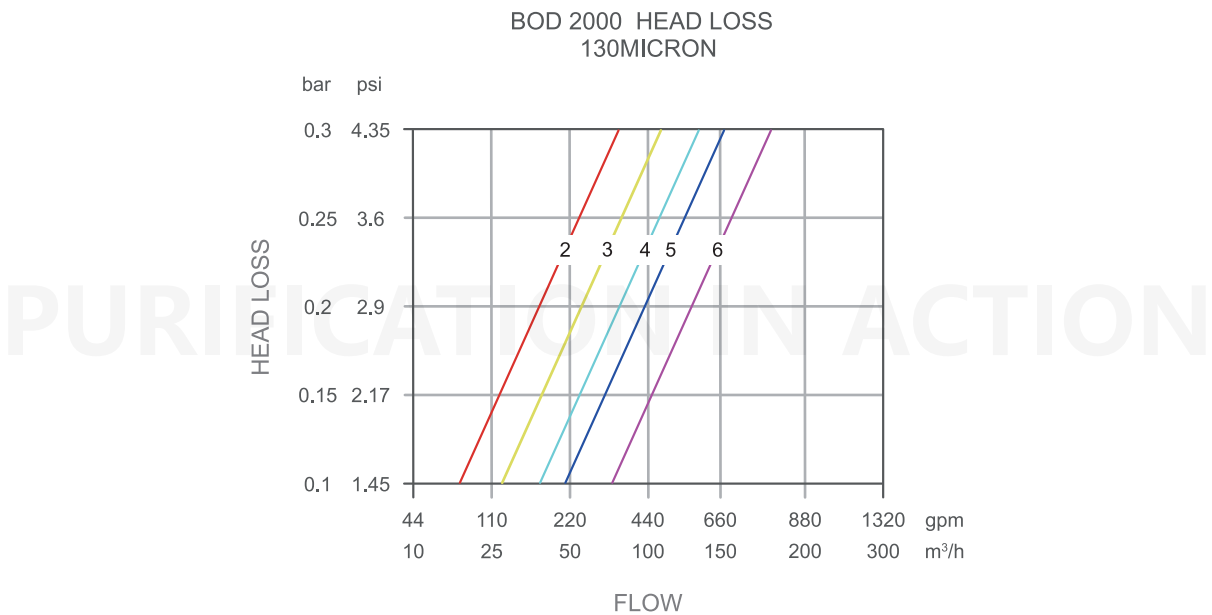
Technical Data

过滤单元 / Filter Unit		2"
最大工作压力 / Max. Working Pressure	psi(Mpa)	145(1.0)
最小反洗压力 / Min. Back Flushing Pressure	psi(Mpa)	标准系列 / Standard Series (S) 36.25 (0.25) 低压系列 / Low Pressure Series (P) 21.75 (0.15)
单元外壳材质 / Filter Shell Material		玻璃纤维加强聚酰胺 / Glassfiber Reinforced Polyamide
叠片材质 / Disc Material		聚丙烯 / PP
密封材料 / Sealing Material		NBR+不锈钢抱箍 / NBR+ Stainless Steel Clamp
反洗流量 / Back Flushing Water Consumption	gpm(l/s)	47.55 (3)
建议反洗压差 / Advise Back Flushing DP	psi(Mpa)	7.25 (0.05)
过滤面积 / Filtration Area	inch²(cm²)	252.7 (1630)
重量 / Weight	kg	9.7
PH		4-13
温度 / Temperature	°F (°C)	32-140 (0-60)

产品型号 Model	最大流量 Max.Flow gpm (m³/h)	滤头数×尺寸 Filter×Size inch	进出水口 Inlet / Outlet inch (DN PN 1.0)	控制系统 Control Unit 220V AC
BOD Q202/3F	220 50	2×2"	3" 80	BOA DO102
BOD Q203/4F	330 75	3×2"	4" 100	BOA DO103
BOD Q204/4F	440 100	4×2"	4" 100	BOA DO104
BOD Q205/6F	550 125	5×2"	6" 150	BOA DO105
BOD Q206/6F	660 150	6×2"	6" 150	BOA DO106

BOWNT BOD 2000 系列水头损失

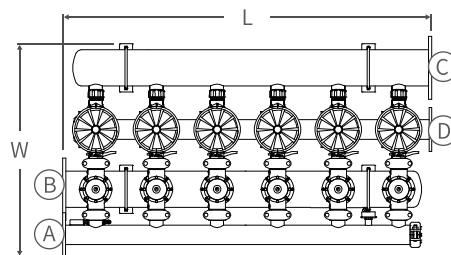
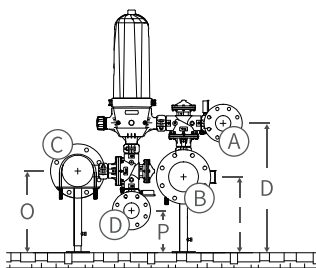
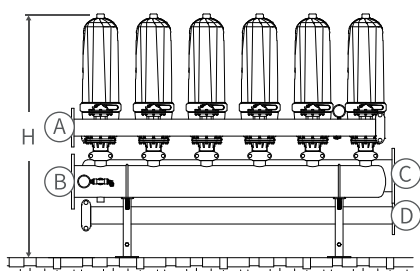
BOWNT BOD 2000 Head Loss



注：最大过滤流量及清洗数据是按照130微米过滤精度、水质较好工况的数据，实际过滤流量与所选过滤精度和水质有关，具体请咨询本公司。

Note: The maximum flow rate and cleaning data is based on 130 micron for the filtration grade and good water quality. The actual filtration flow and the filtration grade are related to water quality. Please refer to our company for details.

尺寸 | Dimensions



Ⓐ 排污管 / Drainage Manifold

Ⓑ 进水管 / Inlet Manifold

Ⓒ 出水管 / Outlet Manifold

Ⓓ 压力管 / Inlet Pressure Manifold

尺寸 / Dimensions
inch (mm)

产品型号 Model	L	W	H	I	O	D	P
BOD Q202/3F	22.64 575	38.11 968	49.72 1263	15.55 395	16.73 425	26.54 674	8.62 219
BOD Q203/4F	33.46 850	38.11 968	49.72 1263	15.55 395	16.73 425	26.54 674	8.62 219
BOD Q204/4F	44.29 1125	38.11 968	49.72 1263	15.55 395	16.73 425	26.54 674	8.62 219
BOD Q205/6F	55.12 1400	38.11 968	49.72 1263	15.55 395	16.73 425	26.54 674	8.62 219
BOD Q206/6F	65.94 1675	38.11 968	49.72 1263	15.55 395	16.73 425	26.54 674	8.62 219

BOWNT

BOD Q4000系列
外源自动反洗叠片过滤系统

BOD Q4000 Series Automatic Back
Flushing Disc Filtration System

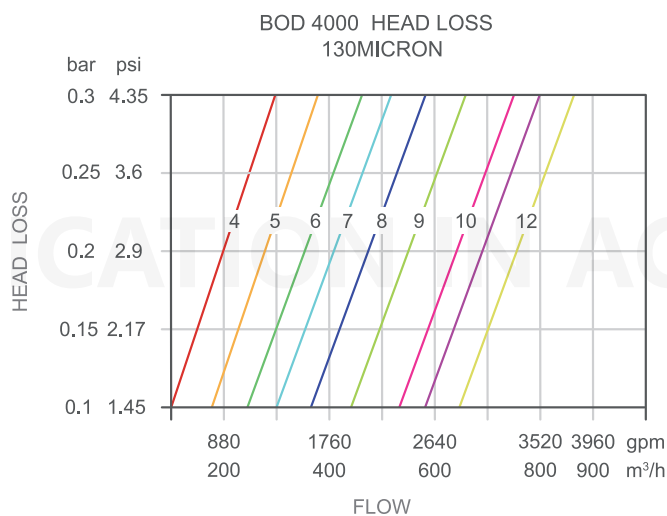


技术参数

Technical Data

过滤单元 / Filter Unit		4"
最大工作压力 / Max. Working Pressure	psi(Mpa)	145(1.0)
最小反洗压力 / Min. Back Flushing Pressure	psi(Mpa)	标准系列 / Standard Series (S) 36.25 (0.25) 低压系列 / Low Pressure Series (P) 21.75 (0.15)
单元外壳材质 / Filter Shell Material		玻璃纤维加强聚酰胺 / Glassfiber Reinforced Polyamide
叠片材质 / Disc Material		聚丙烯 / PP
密封材料 / Sealing Material		NBR+不锈钢抱箍 / NBR+ Stainless Steel Clamp
反洗流量 / Back Flushing Water Consumption	gpm(l/s)	95.1 (6)
建议反洗压差 / Advise Back Flushing DP	psi(Mpa)	7.25 (0.05)
过滤面积 / Filtration Area	inch²(cm²)	505.3 (3260)
重量 / Weight	kg	24
PH		4-13
温度 / Temperature	°F (°C)	32-140 (0-60)

产品型号 Model	最大流量 Max.Flow gpm (m³/h)	滤头数×尺寸 Filter×Size inch	进出水口 Inlet / Outlet inch (DN PN 1.0)	控制系统 Control Unit 220V AC
BOD Q404/8F	968 220	4×4"	8" 200	BOA DO104
BOD Q405/8F	1210 275	5×4"	8" 200	BOA DO105
BOD Q406/8F	1452 330	6×4"	8" 200	BOA DO106
BOD Q407/10F	1694 385	7×4"	10" 250	BOA DO107
BOD Q408/10F	1936 440	8×4"	10" 250	BOA DO108
BOD Q409/12F	2178 495	9×4"	12" 300	BOA DO109
BOD Q410/12F	2420 550	10×4"	12" 300	BOA DO110
BOD Q411/12F	2662 605	11×4"	12" 300	BOA DO111
BOD Q412/14F	2904 660	12×4"	14" 350	BOA DO112



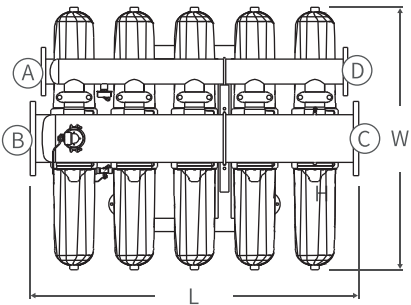
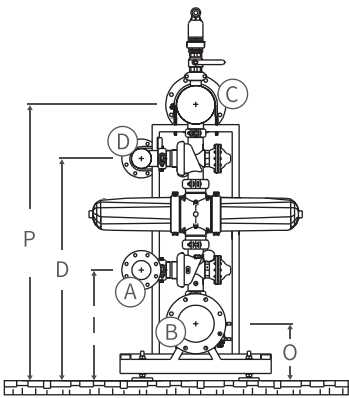
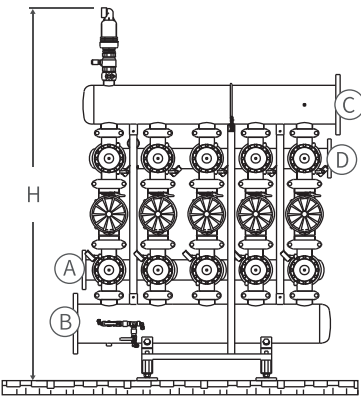
注1:更大流量的QS4000系列过滤系统,具体请咨询我公司。

Note 1: QS4000 series filtration system is available to meet with larger flowrate, please contact us for further requirements.

注2:最大过滤流量及清洗数据是按照130微米过滤精度、水质较好工况的数据,实际过滤流量与所选过滤精度和水质有关,具体请咨询本公司。

Note 2: The maximum flow rate and cleaning data is based on 130 micron for the filtration grade and good water quality. The actual filtration flow and the filtration grade are related to water quality. Please refer to our company for details.

尺寸 | Dimensions



(A) 排污管 / Drainage Manifold (B) 进水管 / Inlet Manifold (C) 出水管 / Outlet Manifold (D) 压力管 / Inlet Pressure Manifold

产品型号 Model	尺寸 / Dimensions inch (mm)						
	L	W	H	I	O	D	P
BOD Q404/8F	48.23	47.24	82.56	12.60	61.18	24.53	49.21
	1225	1200	2097	320	1554	623	1250
BOD Q405/8F	59.06	47.24	82.56	12.60	61.18	24.53	49.21
	1500	1200	2097	320	1554	623	1250
BOD Q406/8F	69.88	47.24	82.56	12.60	61.18	24.53	49.21
	1775	1200	2097	320	1554	623	1250
BOD Q407/10F	85.63	47.24	87.01	13.78	64.41	26.77	51.46
	2175	1200	2210	350	1636	680	1307
BOD Q408/10F	96.46	47.24	87.01	13.78	64.41	26.77	51.46
	2450	1200	2210	350	1636	680	1307
BOD Q409/12F	107.28	47.24	89.57	15.35	67.99	29.33	52.83
	2725	1200	2275	390	1727	745	1342
BOD Q410/12F	118.11	47.24	89.57	15.35	67.99	29.33	52.83
	3000	1200	2275	390	1727	745	1342
BOD Q411/12F	128.94	47.24	89.57	15.35	67.99	29.33	52.83
	3275	1200	2275	390	1727	745	1342
BOD Q412/14F	139.76	47.24	92.44	15.98	69.96	30.59	52.83
	3550	1200	2348	406	1777	777	1342

Intelligent Control Unit

智能控制器

产品特点

Characteristic

01

设备运行状态一目了然, 及时反馈和维护。

Easy detection of filter running state and quick respond for maintenance

03

设备参数支持无线端设置, 简单方便, 一键设置。

All the parameters are available for a key set via wireless terminal with easy access.

05

支持多区域高效管理。

Support multi regional efficient management.

02

设备冲洗次数、间隔时间支持手动设置。

Backwashing times and time interval between the backwashing cycles are adjustable.

04

支持多账号共同管理, 协同处理。

Support multi account management and collaborative processing.

技术参数

Technical Data

工作环境 / Work Environment	不含有爆炸性可燃气体的安全区, 无防爆等级。 Safety zone without explosive combustible gas, no explosion-proof grade.
温度 / Temperature	0-50°C
湿度 / Humidity	≤95%RH, 不结霜 / Frost-free
电源 / Power	AC220V (±10%) 50HZ
系统压差传感器 / System Differential Pressure Transmitter	检测范围 / Range 0.0-7.0BAR
总线接口 / Bus Interface	RS485, 协议 / Protocol Modbus-RTU
无线网络 / Wireless Network	移动4G网络 / CMCC 4G Network



远程调控
Remote Control



智能监测
Intelligent Monitoring



故障自动预警
Automatic Fault Warning



Manual Filter Unit

手动过滤单元

邦沃特 BOD 100 系列过滤器

BOWNT BOD 100 Series Filter



01

过滤形式多样, 滤芯分为叠片和网式两种。

Various filters optional for disc and screen elements.

02

规格齐全, 有3/4", 1", 1-1/2", 2"多种规格。

Complete specifications, 3/4", 1", 1-1/2", 2".

03

壳体材质为高性能工程塑料, 坚固耐用, 最大承压可达 0.8Mpa / 116psi。

Filter shell is made of glassfiber reinforced plastic, sturdy and durable, with maximum pressure up to 0.8Mpa/ 116psi.

04

壳体端口设计为螺纹接口, 安装便捷, 可快速拆卸排污。

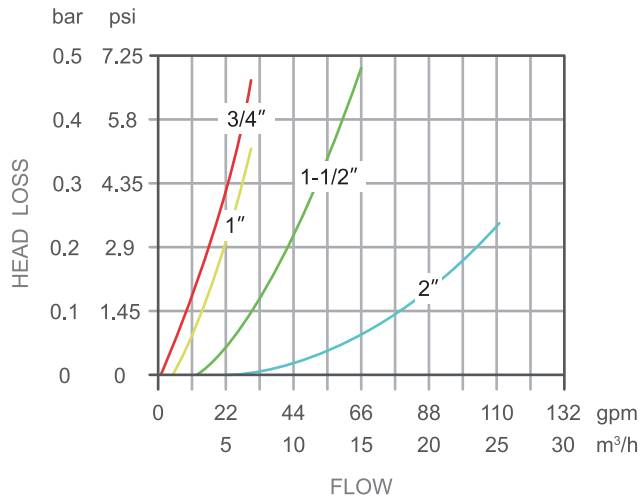
Threaded connections for quick installation, dismantlement and cleaning.

05

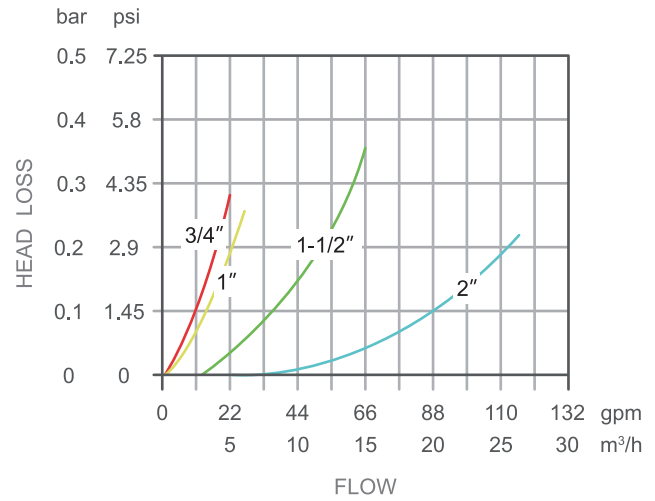
设计压力表接口, 可方便安装压力表。

Pressure gauge connection is available.

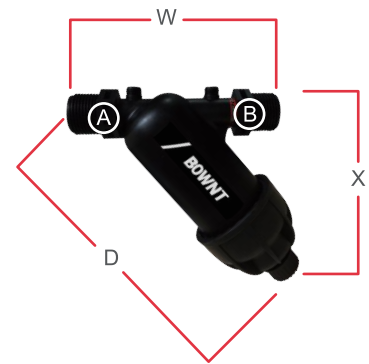
BOD 100 DISC HEAD LOSS
130 MICRON



BOD 100 SCREEN HEAD LOSS
130 MICRON



产品型号 Model	接口尺寸 Connection		产品尺寸 Dimensions inch (mm)			重量 Weight (g)
	A	B	W	X	D	
D100D20B130	3/4" BSP	3/4" BSP	6.77	4.33	7.44	276
D100D20N130	3/4" NPT	3/4" NPT	172	110	189	
D100D25B130	1" BSP	1" BSP	7.2	4.33	7.68	282
D100D25N130	1" NPT	1" NPT	183	110	195	
D100D40B130	1-1/2" BSP	1-1/2" BSP	8.3	4.8	9.13	392
D100D40N130	1-1/2" NPT	1-1/2" NPT	211	122	232	
D100D50B130	2" BSP	2" BSP	9.6	6.73	12.28	650
D100D50N130	2" NPT	2" NPT	244	171	312	
D100S20B130	3/4" BSP	3/4" BSP	6.77	4.33	7.44	196
D100S20N130	3/4" NPT	3/4" NPT	172	110	189	
D100S25B130	1" BSP	1" BSP	7.2	4.33	7.68	198
D100S25N130	1" NPT	1" NPT	183	110	195	
D100S40B130	1-1/2" BSP	1-1/2" BSP	8.3	4.8	9.13	312
D100S40N130	1-1/2" NPT	1-1/2" NPT	211	122	232	
D100S50B130	2" BSP	2" BSP	9.6	6.73	12.28	570
D100S50N130	2" NPT	2" NPT	244	171	312	



接口尺寸 Connection	最大流量 Max. Flow gpm (m³/h)		过滤面积 Filtration Area inch² (cm²)		最大承压 Max. Pressure psi (Mpa)
	叠片式 Disc	网式 Screen	叠片式 Disc	网式 Screen	
3/4"	17.6	22	24.18	19.53	116
	4	5	156	126	0.8
1"	22	26.4	24.18	19.53	116
	5	6	156	126	0.8
1-1/2"	52.8	61.6	31.93	27.9	116
	12	14	206	180	0.8
2"	96.8	105.6	56.11	50.84	116
	22	24	362	328	0.8

壳体材质
Material Of Filter Shell

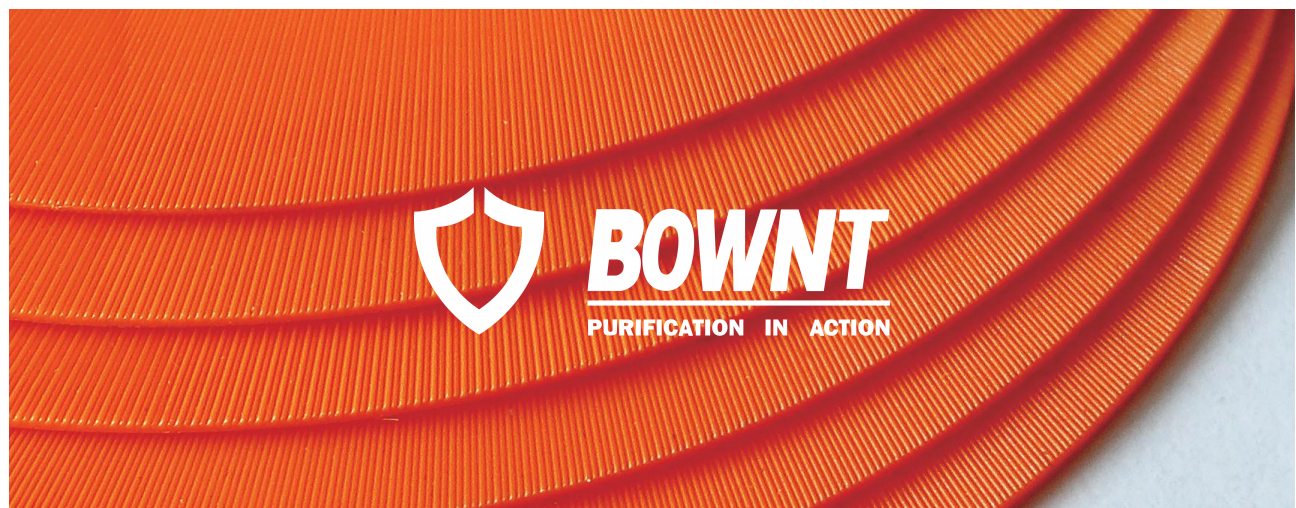
叠片式过滤器:玻璃纤维加强聚酰胺
Glassfiber Reinforced Polyamide (Disc Filter)

网式过滤器:玻璃纤维加强聚酰胺
Glassfiber Reinforced Polyamide (Screen Filter)

滤芯材质
Material Of Filter Element

叠片式过滤器:PP
Polypropylene (Disc Filter)

网式过滤器:SS304
Stainless Steel 304 (Screen Filter)



Manual Filter Unit

手动过滤单元

邦沃特 BOD 300 系列手动过滤器

BOWNT BOD 300 Series Filter

01

过滤形式和过滤精度多样，滤芯分为叠片和不锈钢滤网两种。

Various filters optional for disc and screen elements.

03

壳体材质为玻璃纤维加强聚酰胺，坚固耐用，最大承压可达 145psi / 1.0Mpa。

Filter shell is made of glassfiber reinforced polyamide, sturdy and durable, with maximum pressure up to 145psi/ 1.0Mpa.

05

多种安装位置及形式，不需要绝对垂直或水平。

Multiple mounting types, free of absolutely vertical or horizontal.

07

无需外接电源，自动出水。

Automatic filtration and power-free.

02

过滤精度准确，设计结构合理，过滤效果稳定，出水性能安全可靠。

Accurate filtration degree and perfect structure design make it stable and safe filtration.

04

壳体端口多种快装接口设计，模块化组合，安装便捷，可快速拆卸更换。

Various quick-connections can be modular combined, easy installation and quick replacement.

06

自带压力检测和顶部排水接口，方便使用。

Available for pressure detection and top drainage connections.

技术参数

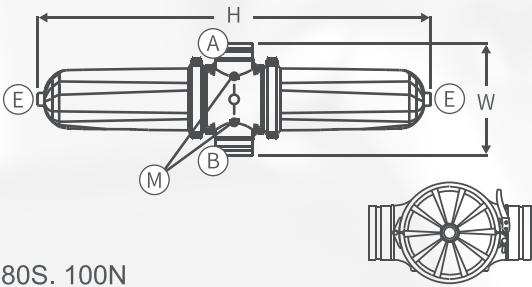
Technical Data



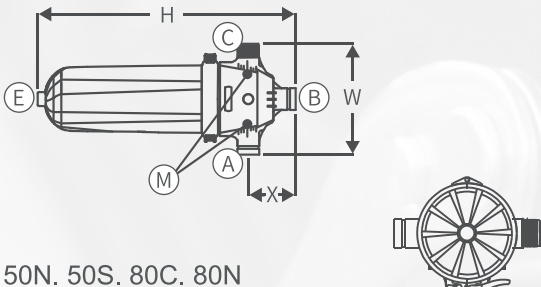
BOD 300 400-200-130-100-50-20 微米 400-200-130-100-50-20 Micron	最大流量 Max. Flow gpm (m³/h)		过滤面积 Filtration Area inch² (cm²)		最大承压 Max. Pressure psi (Mpa)
	叠片式 Disc	网式 Screen	叠片式 Disc	网式 Screen	
D300D50N	132 30	132 30	186 1200	137.95 890	145 1.0
D300D50S	132 30	132 30	265 1710	173.6 1120	145 1.0
D300D80C	176 40	176 40	186 1200	137.95 890	145 1.0
D300D80N	220 50	220 50	265 1710	173.6 1120	145 1.0
D300D80S	264 60	264 60	530.1 3420	347.2 2240	145 1.0
D300D100N	440 100	440 100	530.1 3420	347.2 2240	145 1.0

邦沃特 BOD 300 手动过滤单元规格

BOWNT BOD 300 SERIES FILTER SPECIFICATION



80S. 100N



50N. 50S. 80C. 80N

产品型号 Model	接口尺寸 Connection			产品尺寸 Dimensions inch (mm)					重量 Weight (kg)
	A	B	C	E	M	H	W	X	
D300D50NN	2" NPT	2" NPT	2" NPT						
D300D50NB	2" BSP	2" BSP	2" BSP	3/4" BSP	1/4" BSP	23.58 599	12.2 310	5.27 134	7.62
D300D50NL	2" VIC	2" VIC	2" BSP						
D300D50NM	2" VIC	2" BSP	2" VIC						
D300D50SN	2" NPT	2" NPT	2" NPT						
D300D50SB	2" BSP	2" BSP	2" BSP	3/4" BSP	1/4" BSP	28.46 723	12.2 310	5.27 134	9
D300D50SL	2" VIC	2" VIC	2" BSP						
D300D50SM	2" VIC	2" BSP	2" VIC						
D300D80CN	3" NPT	3" NPT	3" NPT						
D300D80CB	3" BSP	3" BSP	3" BSP	3/4" BSP	1/4" BSP	23.81 605	13.26 337	5.82 148	7.8
D300D80CL	3" VIC	3" VIC	3" BSP						
D300D80CM	3" VIC	3" BSP	3" VIC						
D300D80NN	3" NPT	3" NPT	3" NPT						
D300D80NB	3" BSP	3" BSP	3" BSP	3/4" BSP	1/4" BSP	28.7 729	13.26 337	5.82 148	9.2
D300D80NL	3" VIC	3" VIC	3" BSP						
D300D80NM	3" VIC	3" BSP	3" VIC						
D300D80SM	3" VIC	3" VIC		3/4" BSP	1/4" BSP	47.24 1200	13.42 341		21
D300D100NM	4" VIC	4" VIC		3/4" BSP	1/4" BSP	47.24 1200	13.42 341		24

部件名称 Parts	部件材质 Material
外壳 Filter Shell	玻璃纤维加强聚酰胺 Glassfiber Reinforced Polyamide
滤芯 Filter Element	叠片：聚丙烯 (PP) Disc: Polypropylene 滤网：不锈钢SS304 Screen: Stainless Steel 304
密封件 Sealing	不锈钢抱箍、NBR Stainless Steel Hoop Clamp and NBR
支架 Bracket	玻璃纤维加强聚酰胺 Glassfiber Reinforced Polyamide

叠片颜色 Disc Color
 400微米 (42目) 400 Micron (42 Mesh)
 200微米 (75目) 200 Micron (75 Mesh)
 130微米 (120目) 130 Micron (120 Mesh)
 100微米 (150目) 100 Micron (150 Mesh)
 50微米 (300目) 50 Micron (300 Mesh)
 20微米 (700目) 20 Micron (700 Mesh)

滤网骨架颜色 Screen Frame Color
 400微米 (42目) 400 Micron (42 Mesh)
 200微米 (75目) 200 Micron (75 Mesh)
 130微米 (120目) 130 Micron (120 Mesh)
 100微米 (150目) 100 Micron (150 Mesh)
 50微米 (300目) 50 Micron (300 Mesh)
 20微米 (700目) 20 Micron (700 Mesh)





BOWNT-SOLUTION

BOWNT解决方案

过滤膜保护

Membrane Protection

海水淡化

Desalination

冷却循环水

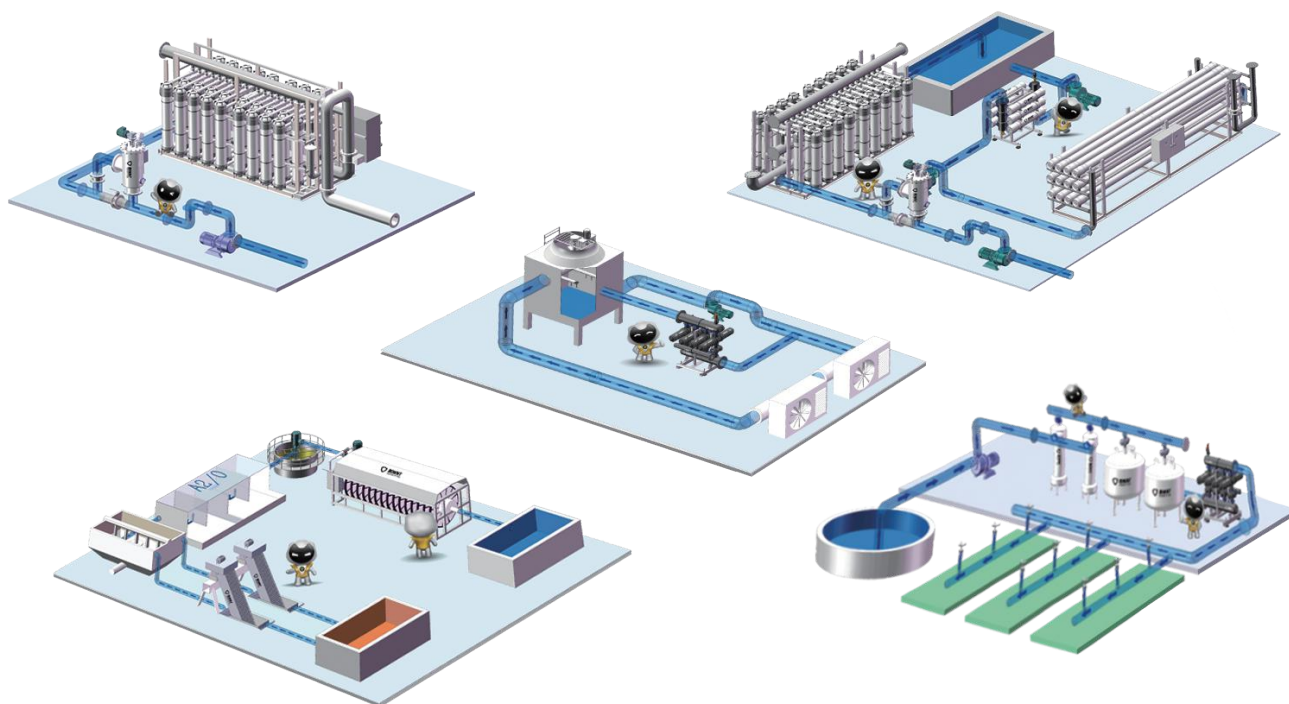
Circulating Cooling Water

再生水处理

Water Reuse

节水灌溉

Irrigation





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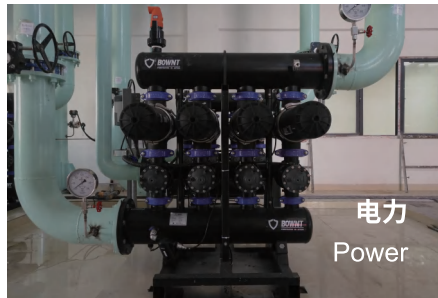


解决方案, 个性定制

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