

BOS-EBV

BOS-EBV系列立式电动刷式自清洗网式过滤器

BOS-EBV is an electric brush self-cleaning screen filter, vertical type.

产品特点:

- 电力驱动，立式安装，可靠的机械刷式清洗装置，经久耐用
- 能耗低，效率高，清洗水量极小
- 根据压差/定时进行自动清洗，清洗时系统不断流
- 所有型号法兰连接标准可选择ANSI B16.5/DIN2576/GB9119
- 滤网提供50、100、200、300、500、800、1500、2500、3500微米等多种过滤精度
- 滤网和清洗轴材质：标准配置316L不锈钢，2205/2507双相不锈钢等可选
- 过滤器壳体：标准材质为优质碳钢喷涂防腐，316L不锈钢、2205/2507双相不锈钢等可选
- 承压等级：标准配置为145psi (1.0MPa) , 232psi (1.6MPa) /362.5psi (2.5MPa) 等承压可选
- 耐强腐蚀、防爆型等特殊要求的产品可个性化定制
- 过滤器全部经过试压调试试验，保证操作安全



MAIN FEATURES:

- Electric drive, vertical installation, reliable and durable brush cleaning system.
- High efficiency, energy saving and low water consumption .
- Back washing cycle can be automatic activated by differential pressure and timing, without an interruption of filtration.
- Flange standard: ANSI B16.5/DIN2576/GB9119.
- Filtration grade optional for 50、100、200、300、500、800、1500、2500、3500 micron and etc.
- Filter screen & shaft are made of SS 316L, optional for duplex 2205 and super duplex 2507.
- Filter housing is made of high quality carbon steel with anticorrosive treatment, optional for SS 316L, duplex 2205 and super duplex 2507.
- Max. working pressure: 145psi (1.0MPa) as standard, optional for 232psi (1.6MPa) and 362.5psi (2.5MPa)
- High anti-corrosive or explosion-proof requirements can be customized.
- All filters apply to hydraulic test before shipment to ensure a high quality.

BOWNT

工作原理

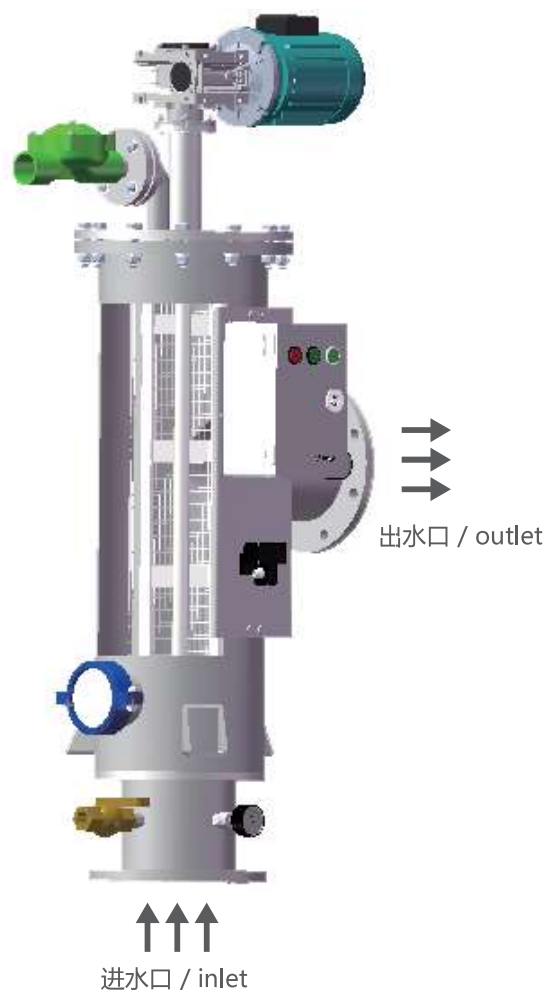
Working Principle

BOWNT-BOS是自动清洗过滤器，配有过滤元件-网芯，可截留大于过滤等级或是和过滤等级相同的杂质。

在过滤器端盖上安装一个排污阀。工作时，水流从过滤器进口流入，经过滤网后从出口流出，当水流中的杂质颗粒不断地在滤网的内表面堆积，使得过滤器的进、出水压差增大，当过滤器进、出水压差达到预定值时（0.05MPa），压差开关便传递信号给控制装置，控制装置启动排污进程，同时打开排污阀，污物从排污阀排走，清洗时设备不断流。

BOWNT BOS is an automatic self-cleaning filter with a screen, which can remove impurities with a size bigger than the filtration grade.

A drainage valve is equipped to the end cover of the filter. When start the filter, feed flow through the inlet to the inner screen surface, impurities continuously accumulated on the screen surface, which increasing the differential pressure between inner and outer screen. When the differential pressure meets the preset value 0.5bar(7psi), the pressure switch(PDS) send a signal to the controller to start back washing cycle, open the drainage valve and let the sewage out.



技术参数/MAIN PARAMETERS

最大工作压力/Max. working pressure psi (MPa)	145 (1.0) /232 (1.6) /362.5 (2.5)
最小清洗压力/Min. back washing pressure psi (MPa)	29 (0.2)
进/出口管径/Inlet/Outlet flange inch (mm)	3"-24" (DN80-DN600)
筒体直径/Housing diameter inch (mm)	8"-36" (Φ219-Φ916)
过滤流量/Flowrate gpm (m ³ /h)	≤12320 (2800)
过滤面积/Filtration surface inch ² (cm ²)	279-4030 (1800-26000)
过滤精度/Filtration grade (um)	50-3500
清洗方式/Back washing mode	压差、时间及手动 Differential Pressure / Timing / Manual
最高工作温度/Max. working temperature °F (°C)	158 (70)
额定操作电压/Rated operating voltage	三相/3 PHASE, 220/380V, 50HZ
电机功率/Motor power hp (kw)	0.12-1.02 (0.09-0.75)
控制器电压/Control unit voltage	220V AC

产品型号/Model	最大流量 Max. Flow		过滤面积 Filtration surface	接口规格 Connection (DN/PN1.0)		反清洗 Back washing cycle			
	(gpm)	(m ³ /h)		进出口 Inlet-Outlet	排污口 Drain	流量	时间	耗水	功率
			inch ² (cm ²)			inch (mm)	inch (mm)	Flow gpm (l/s)	Time (s)
BOS-EBV1800/4C	352	80	279 1800	4" 100	1" 25	126.8 8	15	31.7 120	0.12 0.09
BOS-EBV3000/4C	352	80	465 3000	4" 100	1" 25	126.8 8	15	31.7 120	0.24 0.18
BOS-EBV3000/6C	704	160	465 3000	6" 150	1" 25	126.8 8	15	31.7 120	0.24 0.18
BOS-EBV5000/6C	704	160	775 5000	6" 150	1.5" 40	126.8 8	15	31.7 120	0.24 0.18
BOS-EBV5000/8C	1320	300	775 5000	8" 200	1.5" 40	126.8 8	15	31.7 120	0.24 0.18
BOS-EBV6000/6C	704	160	930 6000	6" 150	1.5" 40	126.8 8	15	31.7 120	0.24 0.18
BOS-EBV6000/8C	1320	300	930 6000	8" 200	1.5" 40	158.5 10	15	31.7 120	0.24 0.18
BOS-EBV7800/10C	1980	450	1209 7800	10" 250	2" 50	158.5 10	30	79.3 300	0.50 0.37
BOS-EBV7800/12C	2860	650	1209 7800	12" 300	2" 50	158.5 10	30	79.3 300	0.50 0.37
BOS-EBV9600/10C	1980	450	1488 9600	10" 250	2" 50	158.5 10	30	79.3 300	0.50 0.37
BOS-EBV9600/12C	2860	650	1488 9600	12" 300	2" 50	158.5 10	30	79.3 300	0.50 0.37
BOS-EBV12000/14C	3960	900	1860 12000	14" 350	2" 50	158.5 10	30	79.3 300	0.75 0.55
BOS-EBV12000/16C	5280	1200	1860 12000	16" 400	2" 50	158.5 10	30	79.3 300	0.75 0.55
BOS-EBV15000/18C	6600	1500	2325 15000	18" 450	2.5" 65	237.75 15	40	158.5 600	1.02 0.75
BOS-EBV15000/20C	8800	2000	2325 15000	20" 500	2.5" 65	237.75 15	40	158.5 600	1.02 0.75
BOS-EBV18000/24C	10560	2400	2790 18000	24" 600	2.5" 65	237.75 15	40	158.5 600	1.02 0.75
BOS-EBV26000/24C	12320	2800	4030 26000	24" 600	2.5" 65	237.75 15	40	158.5 600	1.02 0.75

注：最大过滤流量及清洗数据是按照100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。

Notice: The maximum flow rate and cleaning data is based on the data of 100 micron filtration grade and good water quality. The actual filtration flow and the selected filtration grade are related to water quality. Please refer to our company for details.

产品型号/Model	尺寸/Dimensions									重量/Weight (kg)	
	L	W	D	B	S	C	E	T	M	净重 Net	含水重量 With water
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)		
BOS-EBV1800/4C	35.51 902	16.02 407	23.62 600	15.75 400	27.17 690	11.02 280	12.60 320	8.86 225	59.06 1500	70	90
BOS-EBV3000/4C	36.46 926	16.02 407	23.62 600	15.75 400	29.65 753	11.02 280	12.60 320	8.86 225	59.06 1500	105	133
BOS-EBV3000/6C	39.96 1015	16.02 407	24.41 620	15.75 400	30.91 785	11.81 300	12.60 320	8.86 225	59.06 1500	140	180
BOS-EBV5000/6C	56.69 1440	23.43 595	25.98 660	25.59 650	47.64 1210	13.78 350	12.20 310	15.16 385	110.24 2800	160	242
BOS-EBV5000/8C	56.69 1440	23.43 595	25.98 660	25.59 650	47.64 1210	13.78 350	12.20 310	15.16 385	110.24 2800	175	256
BOS-EBV6000/6C	62.56 1589	23.43 595	25.98 660	31.50 800	53.54 1360	13.78 350	12.20 310	15.16 385	110.24 2800	170	252
BOS-EBV6000/8C	62.56 1589	23.43 595	25.98 660	31.50 800	53.54 1360	13.78 350	12.20 310	15.16 385	110.24 2800	185	267
BOS-EBV7800/10C	58.27 1480	27.40 696	31.50 800	25.59 650	48.98 1244	15.75 400	15.75 400	17.17 436	118.11 3000	210	360
BOS-EBV7800/12C	58.27 1480	27.40 696	31.50 800	25.59 650	48.98 1244	15.75 400	15.75 400	17.17 436	118.11 3000	235	385
BOS-EBV9600/10C	63.23 1606	27.40 696	31.50 800	31.50 800	54.13 1375	15.75 400	15.75 400	17.17 436	118.11 3000	230	370
BOS-EBV9600/12C	63.23 1606	27.40 696	31.50 800	31.50 800	54.13 1375	15.75 400	15.75 400	17.17 436	118.11 3000	265	405
BOS-EBV12000/14C	70.24 1784	32.87 835	40.35 1025	35.43 900	61.10 1552	19.69 500	20.67 525	20.83 529	109.45 2780	430	690
BOS-EBV12000/16C	70.24 1784	32.87 835	40.35 1025	35.43 900	61.10 1552	19.69 500	20.67 525	20.83 529	109.45 2780	450	710
BOS-EBV15000/18C	76.50 1943	40.91 1039	47.44 1205	37.40 950	66.93 1700	23.62 600	23.82 605	24.84 631	115.75 2940	750	1220
BOS-EBV15000/20C	76.50 1943	40.91 1039	47.44 1205	37.40 950	66.93 1700	23.62 600	23.82 605	24.84 631	115.75 2940	770	1240
BOS-EBV18000/24C	77.28 1963	44.84 1139	50.79 1290	39.37 1000	67.80 1722	25.59 650	25.20 640	26.81 681	116.54 2960	1000	1600
BOS-EBV26000/24C	81.22 2063	49.17 1249	54.72 1390	43.31 1100	72.05 1830	29.53 750	25.20 640	30.71 780	120.47 3060	1200	1800

