

BOG-S

螺旋转鼓格栅

BOG -S Spiral Drum Grille

产品简介 / PRODUCT DESCRIPTION

BOG-S型机械格栅是一种集细格栅除污机、栅渣螺旋提升机和栅渣螺旋压榨机于一体的设备。是城市污水处理厂和工业废水处理过程中将水中漂浮物质、沉降物质及悬浮物质分离取出的理想设备，广泛用于城市生活污水厂、工业废水处理工程的固液分离、滤渣清洗、传输及压榨脱水。

BOG-S mechanical grille is a kind of equipment which integrates fine screen remover, grille slag spiral elevator and grille slag spiral squeezer. It is main function to separate floating substances, settling substances and suspended substances from water, which is widely used in solid-liquid separation, residue cleaning, conveying and squeezing dewatering in urban sewage treatment and industrial wastewater treatment systems.

设备特点 / CHARACTERISTICS



01

设备运行时有自清洗功能，不会堵塞。
Self-cleaning system without block of the grilles.

02

清渣彻底，封闭式输送，对环境无污染。
Slag cleaning thoroughly, close transportation and no pollution to the environment.

03

作用面积大，水头损失小，分离效率高，处理量大。
Large area and mall head loss, high separation efficiency and large capacity.

04

过水流量表。
Model and Capacity.

05

设备可实现全自动控制，运转平稳、噪音低、能耗小。
Equipment can realizes automatic control, stable operation, low noise and low energy consumption.

06

集多种功能于一体，结构紧凑，占地面积小，易于安装和维护，使用寿命长。
Compact structure integrates multi functions, space saving, easy installation and maintenance, and long service life.

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PURIFICATION IN ACTION

结构与工作原理 / STRUCTURE AND WORKING PRINCIPLE

该设备的格栅片按栅间隙制成鼓形栅筐，与水平面呈35°安装在水渠中，处理水从格栅端头栅框内，栅渣被截留在栅框内表面，安装在中心轴上的齿形刮板由电机驱动进行回转清污，当清渣刮板把污物扒集至栅筐顶点的位置时(时钟12点)，靠重力下落的栅渣落入栅渣槽；栅渣由槽底螺旋输送机提升至上部压榨段压榨脱水后由卸料口排出外运处理。

The grille pieces are made into drum shaped grille basket according to the grille gap, which installed in the ditch at 35 ° to the horizontal surface. Raw water filled into the grille basket, and slags are intercepted on the inner surface. The tooth scraper installed on the central shaft is driven by the motor for rotary cleaning. When the cleaning scraper picks up the slags to the top of the grille basket (clock 12 o'clock), slags will fall into the slag tank by gravity. The screw conveyor lift slags from the tank to the upper part for squeezing dewatering, finally discharge the slags from the discharge port.

	S-24	S-32	S-40	S-48	S-56	S-64	S-72	S-80	S-88	S-96	S-104	
设备宽度 Device Width B(mm)	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	
渠道宽度 Ditch Width B1 (mm)	620	820	1020	1220	1440	1640	1840	2040	2240	2440	2640	
栅条间隙 Grille Gap b (mm)	6~12											
安装角度 Mounting Angle α(°)	35											
渠道深度 Ditch Depth H(mm)	H2+300~500											
卸料口至平台高度 Mounting Height H1	1000~1500											
旋转速度 Rotation Speed n (r/min)	≈6											
电机功率 Motor Power N (KW)	1.1											
安装尺寸 (mm) Mounting Dimensions	L(b=6)	820	1010	1190	1400	1660	1870	2280	2490	2670	2990	3050
	L(b=10)		1010	1190	1400	1660	1880	2280	2490	2670	2990	3050
	L1(b=6)	430	540	620	740	840	900	1360	1300	1340	1370	1490
	L1(b=6)	460	550	630	750	850	950	1260	1300	1340	1370	1490
	L2	500	650	700	800	900	1000	1100	1200	1300	1400	1600
	L3	1230	1420	1420	1310	1590	1590	1590	1520	1520	1520	1520
	H2	300	350	350	590	750	850	9501	1150	1250	1400	1490
土建载荷 Civil load	P1(KN)	7.2	8.3	8.3	11.76	19.5	22	25	38	41	46	56
	P2(KN)	3.5	4.1	4.1	5.8	9.75	11	12.2	18.7	20.4	22.9	27.9

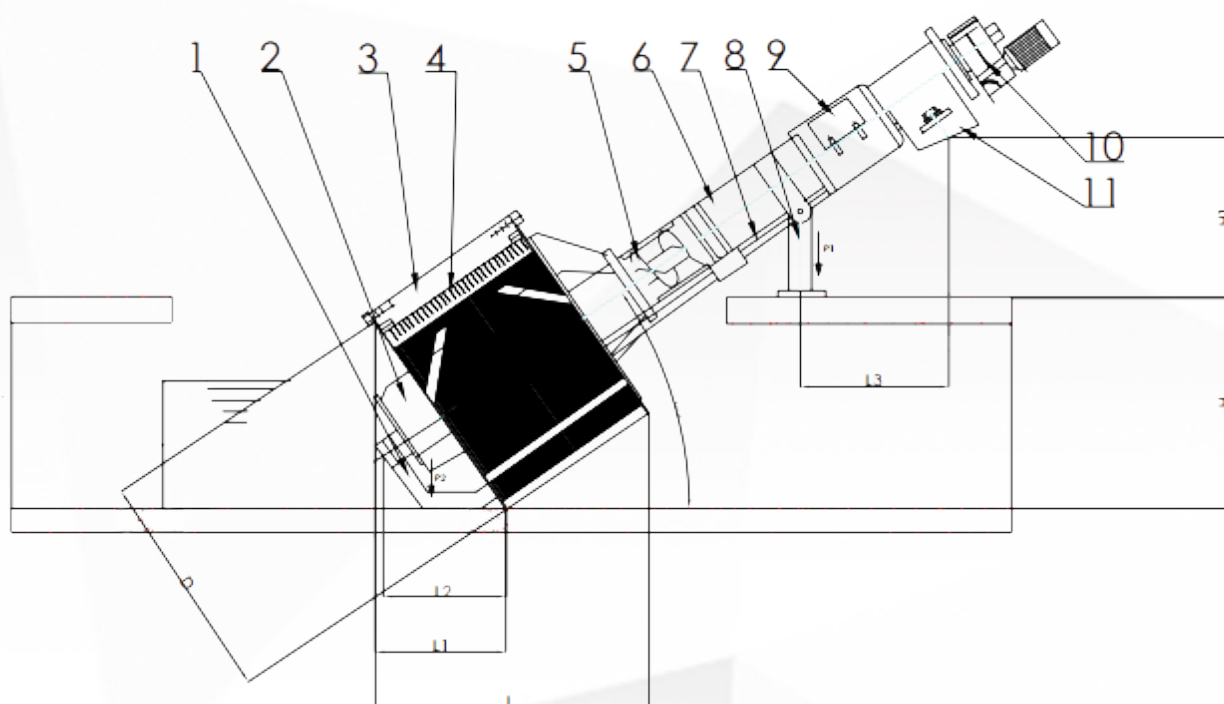


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栅前水深 H2 (mm)	300	350	480	590	750	850	950	1150	1250	1400	1490
过栅流速 V (m/s)	0.8										
过水流量 Q (m³/h) (b=6)	83	130	200	300	419	630	850	-	-	-	-
过水流量 Q (m³/h) (b=10)	91	151	241	346	482	638	878	1061	1345	1750	2450



1. 刮耙
2. 集料斗
3. 筛栅体
4. 清渣板
5. 传输压榨螺杆
6. 传输压榨筒
7. 回流管
8. 支腿
9. 清洗筒
10. 驱动装置
11. 卸渣口

1. Scraping rake
2. Collection hopper
3. Screen grille body
4. Slag removal plate
5. Transfer squeeze screw
6. Transfer squeeze bucket
7. Backflow pipe
8. Landing leg
9. Cleaning drum
10. Driving device
11. Slag discharging gate

