

WCBx-B series sewage treatment plant



The method of combining catalytic oxidation, ultraviolet disinfection and sterilization is adopted in the WCBx-B series sewage treatment plant, it treats the domestic sewage of toilet from ship. And it optimally designed the biochemical reactor, the chlorine adding sterilization is adopted, so compared with the products of the same kind, it has the characteristics of small cubage, light weight, compact structure and without secondary pollution. The discharged water after the treatment of the device has reached the effluent standard stipulated internationally, and it accords with the requirement of resolution MEPC.159(55) of international marine organization environmental protection commission, and international waste fluid effluent standard. WCBx-B series sewage treatment plant consists of 5 watertight tanks. These 5 tanks respectively are a sewage tank, first-stage contact oxidation tank, second-stage contact oxidation tank, a settlement tank and a catchment tank. The device has strong corrosion resistance and applies to sea water to flush toilets.

主要技术参数 Main Technical Parameter

型号 Model		WCBx-10B	WCBx-15B	WCBx-20B	WCBx-25B	WCBx-30B	WCBx-40B	WCBx-50B	WCBx-60B	WCBx-80B	WCBx-100B	WCBx-150B	WCBx-200B	WCBx-300B	WCBx-400B	WCBx-500B	WCBx-600B	
参数 Parameter	适用人数 Suitable number of people	10	15	20	25	30	40	50	60	80	100	150	200	300	400	500	600	
	液力负荷(m ³ /d) Treatment load	0.70	1.05	1.40	1.75	2.10	2.80	3.50	4.20	5.60	7.0	10.5	14	21	28	35	42	
	有机负荷(kg/d) Organic load	0.35	0.525	0.70	0.875	1.05	1.40	1.75	2.10	2.80	3.50	5.25	7.0	10.5	14	17.5	21	
	排放标准 Discharge standard	BOD ₅ ≤ 25mg/L; COD ≤ 125mg/L; TSS ≤ 35mg/L; 大肠菌群 Coli group ≤ 100/100mL;																
流程泵 Process Pump	型号 Model	32CGW-10-20											40CGW-20-20					
	型式 Type	直立式 Vertical type																
	流量 (m ³ /h) Capacity	10											20					
	电机功率 (kw) Motor power	1.5											2.2					
气泵 Air pump	型号 Model	CYBW-10					CYBW-20					CYBW-40						
	型式 Type	滑片式 Sliding vane type																
	排气量 (m ³ /h) Capacity	10					20					40						
	电机功率 (kw) Motor power	0.37					0.75					1.5						
粉碎泵 Crushing pump	型号 Model	0.5CWF-10					1CWF-11					2CWF-11						
	型式 Type	刀片离心式 Blade centrifugal type																
	流量 (m ³ /h) Capacity	5					10					20						
	电机功率(kw) Motor power	1.1					1.5					2.2						
超滤装置 Ultrafilter	型号 Model	CSUF5060					CSUF6050											
	型式 Type	高抗污超滤膜 Advanced anti-soil ultrafiltration membrane																
	通量 (m ³ /h) Capacity	1.1					2.1											
消毒装置 Sterilizer	型号 Model	DY-UV-GL-C										DY-UV-GL-D			DY-UV-GL-E			
	波长 (nm) Wavelength	253.7										253.7			253.7			
	功率 (kw) Power	0.27										0.36			0.54			
	流量 (m ³ /h) Capacity	1.5										2.0			2.5			
	反冲洗水压力 Back flushing water pressure	0.1 ~ 0.25MPa																
	电源 Power supply	AC 3ph/380/50Hz or AC 3ph/ 440V/60Hz																
	控制方式 Control mode	自动/手动 Automatic/manual																

注：适用人数200人及以下的装置采用整体式结构；
适用人数300人以上的装置采用三柜组合式结构。

Note: For the number of 200 persons and below, the device adopts integral structure.

For the number of more than 300 persons, the device adopts three cabinets modular structure.