SEWAGE TREATMENT PLANT

WFCB Series Domestic Sewage Biochemical Treatment Plant

Suitable for 10-100 persons

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Sewage Treatment Plant
Standard	CB
Material	Carbon Steel
Weight / Size	Model parameter WFCB10 WFCB20 WFCB30 WFCB40 WFCB50 WFCB60 WFCB80 WFCB100...
Certificate	CCS BV GL DNV

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Sewage Treatment Plant	**Model / SKU**	WFCB-Series-Domestic-Sewage-Biochemical-Treatment-Plant
Standard	CB	**Material**	Carbon Steel

Weight / Size	Model parameter WFCB10 WFCB20 WFCB30 WFCB40 WFCB50 WFCB60 WFCB80 WFCB100 WFCB150 WFCB200 WFCB250 WFCB300 Number of adaptation 10 20 30 40 50 60 80 100 150 200 250 300 Processing Load Average l/p 810 1540 2240 3080 3780 4480 5880 7410 10920 14640 18240 21700 peak l/h 105 193 280 385 470 560 735 928 1366 1830 2280 2712 organic load BOD5/d(KG) 0.42 0.77 1.12 1.54 1.89 2.24 2.94 3.71 5.46 7.35 9.1 10.9 Crushing pump model 0.5CWF-10 1CWF-11 2CWF-11 3CWF-10 capacitym3/h 5 10 20 30 lift m 10 11 11 10 speed r/min 2840 2840 2840 2890 motor power kw 0.75 1.5 2.2 4 Air pump model CYBW-10 CYBW-20 CYBW-40 CYBW-60 exhoust m3/h 10 20 25 60 pressure kpa 60 60 60 60 speed r/min 400 400 400 400 motor power kw 0.37 0.75 1.1 2.2 Discharge pump model 25CGW-10-15 32CGW-15-20 40CGW-15-30 40CGW-15-30 capacitym3/h 10 15 15 15 lift m 15 20 30 30 speed r/min 2840 2840 2840 2840 motor power kw 1.1 1.5 2.2 2.2 discharge caliber mm 25 32 40 40 Motor type 3-phase AC380V/50Hz Control mode Automatic and Manual Chemical consumption kg/d 0.01 0.03 0.04 0.05 0.06 0.07 0.09 0.11 0.18 0.22 0.28 0.33 Quality of effluent SS≯50mg/L BOD≯50mg/L Coliform≯250pc/L Phvalue 6-9 Weight Dry(T) 0.85 1.1 1.34 1.5 1.65 1.9 2.45 3.1 5.1 6.4 7.4 8.4 Wet(T) 1.85 3.15 3.85 5.3 6.4 7.65 8.8 10.2 15.4 21.1 27.6 36.2 Dimension L*W*H(mm) 1150 *1100 *1450 1500 *1200 *1760 1650 *1580 *1760 2000 *1680 *1870 2400 *1800 *1900 2550 *1950 *1900 2950 *2050 *1900 3300 *2050 *1900 3500 *2500 *2200 4300 *2700 *2200 4490 *2900 *2400 4900 *3150 *2400
Certificate	CCS BV GL DNV

	The plant is applicable to treat the sewage from the onboard ship toilets to meet international standards of discharge.		
Warranty	12 Months unless specified otherwise	**Origin**	China

China WFCB Series Domestic Sewage Biochemical Treatment Plant:

Model / parameter		WFCB10	WFCB20	WFCB30	WFCB40	WFCB50	WFCB60	WFCB80	WFCB100	WFCB150	WFCB200	WFCB250	WFCB300
Number of adaptation		10	20	30	40	50	60	80	100	150	200	250	300
Processing Load	Average l/p	810	1540	2240	3080	3780	4480	5880	7410	10920	14640	18240	21700
	peak l/h	105	193	280	385	470	560	735	928	1366	1830	2280	2712
	organic load BOD5/d(KG)	0.42	0.77	1.12	1.54	1.89	2.24	2.94	3.71	5.46	7.35	9.1	10.9
Crushing pump	model	0.5CWF-10			1CWF-11			2CWF-11		3CWF-10			
	capacitym 3/h	5			10			20		30			
	lift m	10			11			11		10			
	speed r/min	2840			2840			2840		2890			
	motor power kw	0.75			1.5			2.2		4			
Air pump	model	CYBW-10			CYBW-20			CYBW-40		CYBW-60			
	exhoust m3/h	10			20			25		60			
	pressure kpa	60			60			60		60			
	speed r/min	400			400			400		400			
	motor power kw	0.37			0.75			1.1		2.2			

Discharge pump	model	25CGW-10-15			32CGW-15-20			40CGW-15-30		40CGW-15-30		
	capacitym 3/h	10			15			15		15		
	lift m	15			20			30		30		
	speed r/min	2840			2840			2840		2840		
	motor power kw	1.1			1.5			2.2		2.2		
	discharge caliber mm	25			32			40		40		
Motor type		3-phase AC380V/50Hz										
Control mode		Automatic and Manual										
Chemical consumption kg/d		0.01	0.03	0.04	0.05	0.06	0.07	0.09	0.11	0.18	0.22	0.28	0.33
Quality of effluent		SS>/50mg/L BOD>/50mg/L Coliform>/250pc/L Phvalue 6-9										
Weight	Dry(T)	0.85	1.1	1.34	1.5	1.65	1.9	2.45	3.1	5.1	6.4	7.4	8.4
	Wet(T)	1.85	3.15	3.85	5.3	6.4	7.65	8.8	10.2	15.4	21.1	27.6	36.2
Dimension L*W*H(mm)		1150 *1100 *1450	1500 *1200 *1760	1650 *1580 *1760	2000 *1680 *1870	2400 *1800 *1900	2550 *1950 *1900	2950 *2050 *1900	3300 *2050 *1900	3500 *2500 *2200	4300 *2700 *2200	4490 *2900 *2400	4900 *3150 *2400

The plant is applicable to treat the sewage from the onboard ship toilets to meet international standards of discharge.

The plant adopts biomembrane contact oxidation method and sterilizing principle to digest organic pollutant.This plant has suitable dimension,compact structure and light weight,flexible starting and running.

The discharge water after treatment fullfil discharge standard requirement of international sea environment protection committee IMO MEPC. 2(VI).

As strong corrosion resistance,it can use seawater to flush sewage in toilets.