SEWAGE TREATMENT PLANT

WCMBR-20 Sewage Treatment Plant

ISO9001 Supplier

Class Certificate

Export Supply

Application: The plant is applicable to treat the sewage from the toilets on ships to satisfy international standards for effluent discharge. The plant can be used for sterilizing grey water on ships as well. The...

Key Highlights

Category	Sewage Treatment Plant
Standard	GB
Weight / Size	Model WCMBR-20 Suitable Number of People 20 Treatment load t/d 1.54 Orga...
Certificate	CCS,GL,BV etc.

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

Technical Specifications			
Category	Sewage Treatment Plant	**Model / SKU**	WCMBR-20-Sewage-Treatment-Plant
Standard	GB	**Weight / Size**	Model WCMBR-20 Suitable Number of People 20 Treatment load t/d 1.54 Organic load kg/d 0.77 Installation Dimentions L*W*H mm 1600x1200x1921 Drain standard BOD5≤25mg/l, COD≤125mg/l,TSS≤mg/l, Coli group≤100pcs/100ml Ulitrafilter Advanced anti-soil ultrafiltration membrance Back flushingwater pressure 0.1-0.25Mpa Power supply 3Phase/AC380V/50HZ or 3Phase/AC440V/600HZ 220V/50HZ or 3Phase AC415V/50HZ Control mode Automatic/Manual
Certificate	CCS,GL,BV etc.	**Warranty**	12 Months unless specified otherwise
Origin	China		

CONTENTS

- Application:
- Technical Data:
- Working Principle:

Application:

The plant is applicable to treat the sewage from the toilets on ships to satisfy international standards for effluent discharge. The plant can be used for sterilizing grey water on ships as well.
The plant adopts the principle of traditional aeration and contact oxidization biochemical treatment and chlorine disinfection, using activated sludge and soft stuffing medium, Due to the air pump stop and start occasionally, it can solve
the nitration problem and overcome the sludge expansion caused by thread-like bacteria, which is also called “cancer” in
traditional continuous aeration treatment plant.
The specification and engineering structure are complied with the requirement of National Standard GB10833-89《Marine Sewage Treatment system specification》. The effluent from SWCB also meet the discharge standard requirement of IMO MEPC 2(VI). Meanwhile, it has obtained the Type Approval Certificate from CCS and IMO circular.

Working Principle:

The WCMBR series unit has four parts: aeration tank, contact oxidizing tank, sediment tank and disinfection tank.
In the 1st stage aeration tank, the activated sludge mainly consisting of aerobic bacteria form sticky flock to absorb the organic substance, break it into carbon dioxide and water under the condition of aerating and produce new activated

sludge in the meantime. Soft film stuffing is hanged in the 2nd stage contact oxidizing compartment, the organic substance is further digested. The active sludge sediment accumulated in the setting tank is to be returned to the aeration tank for reproducting seeds and retreating.

The clear liquid is then led into the chlorination tank, and the remaining bacteria is killed by chlorine, the resulting harmless liquid is discharged overboard by discharge pump.

Technical Data:

Model	WCMBR-20
Suitable Number of People	20
Treatment load t/d	1.54
Organic load kg/d	0.77
Installation Dimentions L*W*H mm	1600x1200x1921
Drain standard	BOD5≤25mg/l, COD≤125mg/l,TSS≤mg/l, Coli group≤100pcs/100ml
Ulitrafilter	Advanced anti-soil ultrafiltration membrance
Back flushingwater pressure	0.1-0.25Mpa
Power supply	3Phase/AC380V/50HZ or 3Phase/AC440V/600HZ 220V/50HZ or 3Phase AC415V/50HZ
Control mode	Automatic/Manual