

Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

SEWAGE TREATMENT PLANT

WCMBR-30 Marine Sewage Treatment Plant

ISO9001 Supplier

Class Certificate

Export Supply

Product Description: It combined biodegradation, membrane bioreactor filter, physical disinfection methods to treat the marine sewage from toilet, gallery and bathroom. Due to adopt sequence batch reactor(...



Key Highlights

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| Category | Sewage Treatment Plant |
| Standard | DIN |
| Weight / Size | Model WCMBR-30 Suitable Number of People 30 Treatment load t/d 0.77 Orga... |
| Certificate | CCS, BV, ABS, GL, DNV certificate etc. |

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

| Technical Specifications | | | |
|--------------------------|--|---------------|--|
| Category | Sewage Treatment Plant | Model / SKU | WCMBR-30-Marine-Sewage-Treatment-Plant |
| Standard | DIN | Weight / Size | Model WCMBR-30 Suitable Number of People 30 Treatment load t/d 0.77 Organic load kg/d 0.39 Drain standard BOD ₅ ≤25mg/l, COD≤125mg/l,TSS≤mg/l, Coli group≤100pcs/100ml Ultrafilter Advanced anti-soil ultrafiltration membrane 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,BV, ABS, GL, DNV certificate etc. | Warranty | 12 Months unless specified otherwise |
| Origin | China | | |

| CONTENTS | ■ Product Description: | ■ Principle: |
|----------|------------------------|--------------|
| | ■ Technical Data: | |

Product Description:



It combined biodegradation,membrane bioreactor filter,physical disinfection methods to treat the marine sewage from toilet,gallery and bathroom.

Due to adopt sequence batch reactor(SBR),UV disinfection,and membrane bioreactor filter(MBR) technique. The equipment can change the growing environment of activated sludge by time sequencing and realize the aerobic,anaerobic mode,it can reduce the BOD,COD index rapidly and efficiently, and also has good denitrification and dephosphorization effects.Then achieve a super biochemical treatment performance. The equipment can also adapt to the vacuum system with higher concentration of sewage. It has good impact resistance of stream and organic dirt,compact conformationin,and avert the secondary pollution. The equipment are controlled by PLC program. High automatic,high reliability ,easy to operate.

The effluent of the sewage treatment plant can up to the standard of amended MAPOL 73/78 and resolution MEPC.159(55).

Principle:

After the sewage from toilet crushed completely flows into the sewage tank by the way of nature inflow to contact oxidation tank to aerate by air pump, and to contact with biofilm by a certain velocity flowing though fillings. The organic pollutant will be digested by biofilms, and CO₂ and water are generated. After further treatment of the biofilm in the second contact tank, the sewage will flow into settlement tank for settlement and deslagging, and then is sent to catchment tank. When the catchment tank collects a certain amount of liquid, the process pump is started and the liquid is put into the ultrafilter to filter the slag by the water pump. The ultraviolet sterilizing plant kills the bacteria in the fluid, and treated water is discharged overboard as an effluent. The sludge in the settlement tank will be returned to first -stage contact tank in airlift device , which will cause a certain back flow ratio. This will enhance output water quality, reduce input water impurity, adjust and stabilize pulse loading, and increase activation of biofilm, improve improve organic loading rate in the contact tank.

Technical Data:

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|-----------------------------|--|
| Model | WCMBR-30 |
| Suitable Number of People | 30 |
| Treatment load t/d | 0.77 |
| Organic load kg/d | 0.39 |
| Drain standard | BOD ₅ ≤25mg/l, COD≤125mg/l,TSS≤mg/l, Coli group≤100pcs/100ml |
| Ultrafilter | Advanced anti-soil ultrafiltration membrane |
| 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 |