

SEWAGE TREATMENT PLANT

WCBx-20C Seires Biochemical Domestic Sewage Treatment Plant

WCBx-20C Seires Biochemical Domestic Sewage Treatment Plant The method of combining catalytic oxidation, the MBR membrane biological treatment and physical disinfection sterilization is adopted in the WCBx-C ...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

|               |                                                                                                                                                                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category      | Sewage Treatment Plant                                                                                                                                                                                                                                 |
| Standard      | DIN                                                                                                                                                                                                                                                    |
| Weight / Size | Since filler is set in the aeration chamber, the chlorine adding sterilization is adopted, so compare with the products of the same kind, it has the characteristics of small cubage, light weight, compact structure and without secondary pollution. |
| Certificate   | CCS                                                                                                                                                                                                                                                    |

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

Technical Specifications

|             |                        |               |                                                                                                                                                                                                                                                        |
|-------------|------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category    | Sewage Treatment Plant | Model / SKU   | WCBx-20C-Seires-Biochemical-Domestic-Sewage-Treatment-Plant                                                                                                                                                                                            |
| Standard    | DIN                    | Weight / Size | Since filler is set in the aeration chamber, the chlorine adding sterilization is adopted, so compare with the products of the same kind, it has the characteristics of small cubage, light weight, compact structure and without secondary pollution. |
| Certificate | CCS                    | Warranty      | 12 Months unless specified otherwise                                                                                                                                                                                                                   |
| Origin      | China                  |               |                                                                                                                                                                                                                                                        |

## CONTENTS

- WCBx-20C Seires Biochemical Domestic Sewage Treatment Plant
- The technical parameters of the specification and model of the series
- The water quality standard after the treatment:

## WCBx-20C Seires Biochemical Domestic Sewage Treatment Plant

The method of combining catalytic oxidation, the MBR membrane biological treatment and physical disinfection sterilization is adopted in the WCBx-C series domestic sewage treatment device; it treats the domestic sewage of kitchens, W.C., and base room from ship. Since filler is set in the aeration chamber, the chlorine adding sterilization is adopted, so compare 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.227(64) of International Marine Organization Environmental Protection Commission, and International waste fluid effluent standard.

Main technical parameter

### The water quality standard after the treatment:

- 1.geometric mean of no more than 100 thermotolerant coliforms/100ml;
- 2.geometric mean of total suspended solids is 35 Qi/Qe mg/L;
- 3.geometric mean of 5-day Biochemical Oxygen Demand (BOD5) of no more than 25 Qi/Qe mg/l;
4. geometric mean of Chemical Oxygen Demand of no more than 125 Qi/Qe mg/L;
- 5.PH of the effluent is between 6 and 8.5.
- 6.Total Nitrogen $\leq$ 20Qi/Qe mg/l or at least 70% loss;
- 7.Total Phosphorus $\leq$ 1Qi/Qe mg/l or at least 80% loss

### The technical parameters of the specification and model of the series

| Model              | WC Bx -10 C | WC Bx -15 C | WC Bx -20 C | WC Bx -25 C | WC Bx -30 C | WC Bx -40 C | WC Bx -50 C | WC Bx -60 C | WC Bx -80 C | WC Bx -100 C | WC Bx -150 C | WC Bx -200 C | WC Bx -300 C | WC Bx -400 C | WC Bx -500 C | WC Bx -600 C |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| t/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           |
| kg/d Organic load  | 0.35        | 0.53        | 0.70        | 0.88        | 1.05        | 1.40        | 1.75        | 2.10        | 2.80        | 3.50         | 5.25         | 7.0          | 10.5         | 14           | 17.5         | 21           |

|                |                                                                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drain standard | BOD5≤25Qi/Qe mg/L ; COD≤125Qi/Qe mg/L ; TSS≤35Qi/Qe mg/L ; Coli group≤100/100mL ; PH 6~8.5 ; Total nitrogens≤20Qi/Qe mg/l less70% ; Total phosphorus ≤1Qi/Qe mg/l less80% , No residual chlorine |
| Power supply   | 3ph/AC380/50Hz or 3ph/AC 440V/60Hz                                                                                                                                                               |
| Control mode   | Automatic/manual                                                                                                                                                                                 |