

WATER TREATMENT EQUIPMENT

50Ton/day Sea Water Reverse Osmosis System

ISO9001 Supplier

Class Certificate

Export Supply

ZC-FSHB50 &nbsp;50Ton/day Sea Water Reverse Osmosis System: Fresh water standard comply with WHO Capacity: 50Ton/day Salt content: ≤600mg/L Raw water: sea water Other basic design c...



Key Highlights

|               |                                                                             |
|---------------|-----------------------------------------------------------------------------|
| Category      | Water Treatment Equipment                                                   |
| Standard      | EN                                                                          |
| Material      | Stainless steel                                                             |
| Weight / Size | Technical Parameter : Product : 50m3/day Raw water : 35000PPM Inlet temp... |
| Certificate   | CCS                                                                         |

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

| Technical Specifications |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                                            |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------|
| Category                 | Water Treatment Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                       | Model / SKU | 50Ton-day-Sea-Water-Reverse-Osmosis-System |
| Standard                 | EN                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Material    | Stainless steel                            |
| Weight / Size            | Technical Parameter : Product :<br>50m3/day Raw water :<br>35000PPM Inlet temperature :<br>5~35°C PH value of Raw Water :<br>3.0~10.0 Boosting inlet pressure :<br>0.1~1kg/cm2 (Positive) Salt<br>content of product water :<br>≤600PPM Desalination rate :<br>≥98.5% Product water pressure :<br>≤0.3Mpa Recovery : ≈25%<br>Power supply : 380VAC/50HZ/3φ<br>Power consumption : ≈6.6KW<br>( Include boost pump ) Control<br>cabinet : 220VAC Control voltage: | Certificate | CCS                                        |
| Warranty                 | 12 Months unless specified otherwise                                                                                                                                                                                                                                                                                                                                                                                                                            | Origin      | China                                      |

**CONTENTS**

- ZC-FSHB50 50Ton/day Sea Water Reverse Osmosis System:
- Technical Parameter :

- System Function:

## ZC-FSHB50 50Ton/day Sea Water Reverse Osmosis System:

Fresh water standard comply with WHO

Capacity: 50Ton/day

Salt content: ≤600mg/L

Raw water: sea water

Other basic design condition related

Purpose : Marine and offshore

Power supply : 380V , 50 HZ , 3P

## System Function:

1. Sea water 35000-38000ppm, for desalinating sea water into fresh water 600ppm
2. Whole system under control and monitoring via Automatatical.
3. Semi-automatic cleaning and back-flushing system equipped for sand filter,
4. There is over-pressure protection available for high pressure pump, when pressure is over 6.5Mpa, the system will shut down automatically.

High pressure pump equipped with low-pressure protection device, when pre-treated sea water pressure is less than 0.05Mpa, the system will shut down automatically and give alarm for attention.

5. Working parameter (product flow, brine flow, operation pressure, product water conductivity)

6. If the product water is unqualified (salt content more than 700ppm), the system will drain automatically and give alarm for attention.

7. Potential-free alarm and running indication available for extension.

## Technical Parameter :

|                                                                             |                               |
|-----------------------------------------------------------------------------|-------------------------------|
| Product :                                                                   | 50m3/day                      |
| Raw water :                                                                 | 35000PPM                      |
| Inlet temperature :                                                         | 5~35°C                        |
| PH value of Raw Water :                                                     | 3.0~10.0                      |
| Boosting inlet pressure :                                                   | 0.1~1kg/cm2 (Positive)        |
| Salt content of product water :                                             | ≤600PPM                       |
| Desalination rate :                                                         | ≥98.5%                        |
| Product water pressure :                                                    | ≤0.3Mpa                       |
| Recovery :                                                                  | ≈25%                          |
| Power supply :                                                              | 380VAC/50HZ/3φ                |
| Power consumption :                                                         | ≈6.6KW ( Include boost pump ) |
| Control cabinet :                                                           | 220VAC                        |
| Control voltage: 220VAC                                                     |                               |
| IP: IP55                                                                    |                               |
| Potential-free extension for running indication and common alarm available. |                               |
| Motor :                                                                     | IP : IP55                     |
|                                                                             | Insulation class: "F"         |