



Membrane Bioreactors (MBR) Modular

To:



MBR Membrane Modules



Water is Life

Confronting water scarcity

Hinada always care about our water and Environment

Devoting all our energy to offer a satisfying solution & products to our clients

MBR Modular Bioreactors Quotation

For Wastewater Treatment Plant 200m³/Day

The MBR Membrane is Interval working, 7minutes working 1-minute stop.

Design as your requirement: 10 m³/ H capacity, 24 Hours working per day, design flow rate: 14.0 L/ m².h

Item #	Specification	Quantity	FOB Unit Price	Amount
MBR Membrane Element	Material: PVDF Hollow Fiber Model: NM-RMBR-1520; Area: 20 m ² ; Dimension: 571×1535x45mm Design Flow: 12.5L/m ² .h I/O Diameter: 1.0mm/2.2mm Pore Size: 0.05 μ m	38 units	\$ 285 /Set	\$10,830
Rock(Frame Skid)	Material: Stainless 304 38 Sets / Skid Dimension :1560*1280*1880mm; Including: Collect water pipes, aeration system, output water pipes	1 set	\$880/Set	\$ 880
Total	1 completely MBR Modular			\$11710
Total amount (Completely 1 MBR Modules) FOB Guangzhou price			\$11710	



MBR Membrane Sheet



HINADA WATER TREATMENT TECH CO., LTD

Tel&Fax: +86-20-82350103; Email: jeff@hinada.com ; WhatsApp: +86-13922297496

Our company is the professional manufacturer of MBR membrane/ MBR system for the industrial water treatment

The Stainless Membrane Frame Skid for aerations system and Membrane connection

MBR Membrane Modular



MBR Modules Technical Data

1. STP Capacity: 200 m³/Day

The MBR Membrane is Interval working, 7minutes working 1-minute stop.

Design as your requirement: 10 m³/ Hour capacity

24 Hours working per day

2. MBR Working Conditions

Item	Specification
Working Temperature	5—45℃
PH	5--8
Input SS	≤ 2mm
Oil Grease	<5mg/L
Hard (CaCO ₃ mg/l)	Too much CaCO ₃ will harden the Hollow fibers.

3. MBR Element

MBR model	NM-RMBR-1520
Area for each unit	20 m ²
Total Membrane Area	760 m ²
Modular Quantity	1set (Each set with 760 m ² membrane area)
Design flow rate	14 L/m ² . H
Each Modular flow rate	10 m ³ /H
Rock dimension	1560x1280x1880mm

4. MBR Element Air Stirring Quantity

Air Volume for each element	3 Nm ³ /H
Volume for 8 Modules	114 Nm ³ /H
Working time	7 minutes
Stop time	1 minute



PVDF MBR Membrane Specification:

Material	PVDF hollow fiber
Model	NM-RMBR-1520
I/O diameter	1.0/2.2mm
Implosion pressure	Above 2 bar
Burst Pressure	Above 4 bar
Water Permeability	10—25 L/m ² . h
Operating Temperature	5°C-45°C
PH	2-12
Operating pressure	<0.4MPa
Turbidity of output water	Less than 0.2 NTU
Filtration Method	Suction
Pore Size	0.01—0.4um (Micron)

Designation:

Accord to different input wastewater quality we suggest the range at: 8 L/m². H

Permeate Water Quality:

Suspended Matter >2um, 100% removal

Organics: removal 99.99%

Turbidity of output water: ≤ 0.2NTU

SDI of output clean water: ≤ 2.5