

Membrane Bioreactor (MBR) module

膜生物反应器

MOTIMO MENU

The Membrane bioreactor (MBR) is a recent but increasingly utilised technology for treating municipal and high organic industrial wastewater by combining the highly efficient separation technology of hollow fiber membranes within a compact activated sludge process.



Typical MBR operating system and module
典型的 MBR 系统及装置

MOTIMO's flat plat PVDF based MF membrane is the optimum choice for system designers and end users alike for continuous immersion in activated sludge. The liquid-solid separation by membrane replaces the conventional settling process and effectively removes suspended and organic solids producing bacteria free water. MBR allows for the activated sludge to be maintained at much higher levels of mixed liquor suspended solids (MLSS) than conventional systems and because of the membrane interface, bacteria are retained longer within the activated sludge enhancing the decomposition of the organic matter.

MBR is a modern, highly effective water treatment system that can deal with the ever increasing demands of municipal wastewater quality and increasing treatment volumes.

膜生物反应器 (MBR) 是高效膜分离技术与活性污泥法相结合的新型污水处理技术。可用于有机物含量较高的市政或工业废水处理。

膜天膜公司生产的PVDF中空纤维帘式膜组件可代替活性污泥法中的二次沉降池去除悬浮固体、有机物，制备无菌水。浸入式膜组件可截留硝化菌及大分子有机物，延长其在反应器内的停留时间，可提高氮的去除率和有机物的降解。

MBR是现代的、高效的水处理系统，可满足市政污水处理量不断增长的需求，极大地提高污水处理后的水质。

膜天膜公司生产的帘式膜 (材质为PVDF) 是工程公司及最终用户的最佳选择。

MOTIMO's MBR is another easy to operate, automatic, modular based treatment process delivering the following benefits:

膜天膜公司MBR系统是另一种操作简单，自动化程度高的处理过程，具有以下优点：

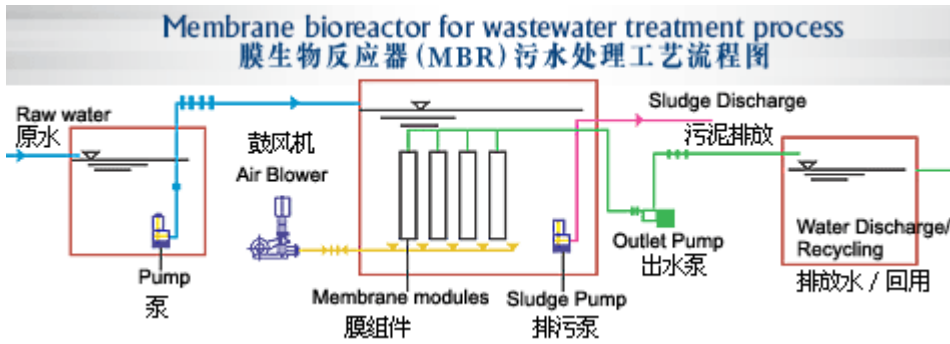
- Allows 50% footprint saving over conventional treatment systems
与传统处理系统相比，可节省50%的
- Copes with high MLSS (<15g/L) & long sludge retention time (<60days)
可处理MLSS含量高(<15g/L)的污水，具有较常的淤泥截留时间(<60天)

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- Consistent effluent quality with varying influent conditions.
高MLSS效率，具有更好的氧化，硝化及有机降解作用
- 40% less sludge production and reduced disposal costs
40% 淤泥含量低的产品，减少了处理的费用
- Low energy consumption, simple membrane cleaning allows low operational cost
能耗低，清洗简单，运行费用低
- Enables MOTIMO to offer a value engineered solution
膜天膜公司能为用户提供有价值的工程设计方案



TIANJIN MOTIMO MEMBRANE TECHNOLOGY CO.,LTD

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