

| EPPA-MD146-0-0<br>膜生物反應器膜片                                                                                                                                                               |                                                                                                                                                                                                                   |                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Features 特性:</b>                                                                                                                                                                      | <b>Typical Application 一般應用:</b>                                                                                                                                                                                  |                                                     |
| <ul style="list-style-type: none"> <li>● 優異出水品質</li> <li>● 高性能 PVDF 強化中空纖維膜絲，使用壽命長，易於控制</li> <li>● 產水量大，抗污染能力強，清洗更換方便</li> <li>● 高污泥濃度承載，污泥量低</li> <li>● 可根據進水水質條件及處理要求調整運行參數</li> </ul> | <ul style="list-style-type: none"> <li>● Bio-Wastewater Treatment(生物廢水處理)</li> <li>● Water Reclaim/Reuse(水再生回收)</li> <li>● Sludge Premium Treatment(污泥優化處理)</li> <li>● RO/NF Pre-Treatment(逆滲透/奈濾之預處理)</li> </ul> |                                                     |
| <b>System Specification 系統規範</b>                                                                                                                                                         | <b>Unit 單位</b>                                                                                                                                                                                                    | <b>Specification 規格</b>                             |
| Structure 類型結構                                                                                                                                                                           | -                                                                                                                                                                                                                 | Braided PET Reinforced Hollow Fiber<br>PET 強化中空纖維結構 |
| Base Material 膜材料                                                                                                                                                                        | -                                                                                                                                                                                                                 | PVDF 聚偏氟乙烯                                          |
| Fiber Tensile Test 膜絲拉力測試                                                                                                                                                                | N                                                                                                                                                                                                                 | ≈500                                                |
| Nominal Pore Size 膜孔徑                                                                                                                                                                    | μm                                                                                                                                                                                                                | 0.05                                                |
| Nature 親水特性                                                                                                                                                                              | -                                                                                                                                                                                                                 | Hydrophilic 親水                                      |
| Path Direction 過濾方向                                                                                                                                                                      | -                                                                                                                                                                                                                 | Outside-In 負壓抽吸式                                    |
| Outer Diameter 膜絲外徑                                                                                                                                                                      | mm                                                                                                                                                                                                                | 2.0±0.1                                             |
| Inner Diameter 膜絲內徑                                                                                                                                                                      | mm                                                                                                                                                                                                                | 1.0                                                 |
| Total Surface Area 膜總面積                                                                                                                                                                  | m <sup>2</sup> /set                                                                                                                                                                                               | 14.6                                                |
| Skid Size 膜片長寬高尺寸(L*W*H)                                                                                                                                                                 | mm                                                                                                                                                                                                                | 825*56*1030                                         |
| Operating Temperature 操作溫度                                                                                                                                                               | ℃                                                                                                                                                                                                                 | 5 ~ 40                                              |
| Operating pH Range 操作 pH 範圍                                                                                                                                                              | pH                                                                                                                                                                                                                | 2 ~ 11                                              |
| Maximum Backwash Pressure 最大反洗壓力                                                                                                                                                         | kg/cm <sup>2</sup>                                                                                                                                                                                                | 0.4                                                 |
| Operating Pressure Range 操作壓力                                                                                                                                                            | kg/cm <sup>2</sup>                                                                                                                                                                                                | -0.4 ~ 0.4                                          |
| Operating Flux 操作通量                                                                                                                                                                      | LMH                                                                                                                                                                                                               | 15~25 *按實際水質狀況而定。                                   |
| MLSS 污泥濃度                                                                                                                                                                                | ppm                                                                                                                                                                                                               | <12,000                                             |
| SADm 單位薄膜面積所需空氣量                                                                                                                                                                         | m <sup>3</sup> /m <sup>2</sup> hr                                                                                                                                                                                 | 0.25~0.30                                           |
| <b>Typical Properties 出水品質</b>                                                                                                                                                           | <b>Unit 單位</b>                                                                                                                                                                                                    | <b>Specification 規格</b>                             |
| Total Suspended Solids (TSS)總懸浮固體                                                                                                                                                        | mg/L                                                                                                                                                                                                              | <1                                                  |
| Turbidity 濁度                                                                                                                                                                             | NTU                                                                                                                                                                                                               | <1                                                  |
| Silting Density Index (SDI)污染指數                                                                                                                                                          | -                                                                                                                                                                                                                 | <3                                                  |