

S2.6.2 RO MEMBRANE PRETREATMENT WITH MEMBRANES

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Because of the operational efficiency and low capital cost, virtually all reverse osmosis membrane elements are of spiral wound construction. The major shortcoming of these elements is their susceptibility to fouling. As a result, all system designs are created to minimize membrane fouling.

Microfiltration (MF) and ultrafiltration (UF) membrane elements are inherently more fouling resistant, and are available in several configurations.

This presentation addresses MF and UF technologies and element construction selection with regard to fouling resistance and describes a case history.