

SEPARATION PROCESSES

# PRAIX REVERSE OSMOSIS MEMBRANES

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The LP (low pressure) series of aromatic polyamide compound membrane element has the properties of low-pressure operation, high permeate flow and excellent desalination and are applicable to desalination of brackish water.

Besides, it is particularly applicable to fabrication of high-purity water for electrophoresis industry owing to its excellent performance in removing soluble salts, TOC, SiO<sub>2</sub>, etc.

Being suitable for desalting such water sources as surface water, underground water, tap water and municipal water, etc., LP series is also applicable to treatment of various industrial water such as industrial-purpose pure water, boiler water replenishment in power plant, and can be also applied to such brackish water applications as treatment of high-concentrated saline wastewater.

#### MODEL

PRAIX LP-4040

PRAIX LP-8040

#### Ultra-low Pressure RO Membrane Element

The ULP series of ultra-low pressure aromatic polyamide compound membrane element can work under ultra low pressure to reach as high permeate flow and salt rejection as regular low-pressure membrane element can, and is applicable to desalination of surface water and underground water. It operates under approximately 2 thirds of the operating pressure of regular low-pressure composite membrane, and achieves a salt rejection rate of up to 99.5%, which can decrease the investment costs for such relevant facilities as pump, piping, and container, etc. and the operating cost for the RO system, thus increasing the economic efficiency.

Being suitable for the desalting treatment of those water sources with salt concentration lower than 2000 ppm, such as surface water, underground water, tap water and municipal water, etc., ULP series membrane elements are mainly applicable to numerous applications of various scales, such as pure water, boiler water replenishment, foodstuff processing, and pharmaceutical production, etc.

#### MODEL

PRAIX ULP-2540

PRAIX ULP-4040

PRAIX ULP-8040

