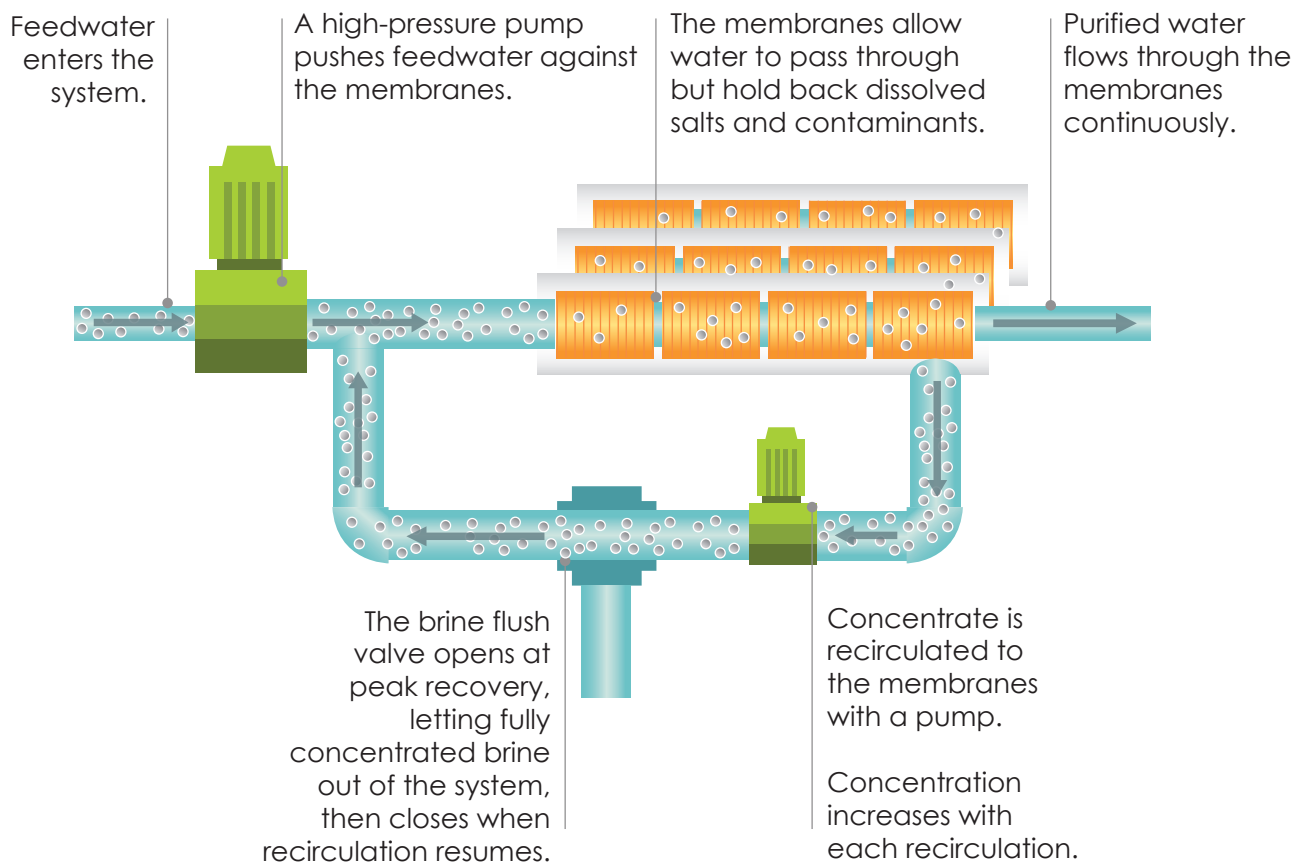


Desalitech – The Performance Benchmark for Reverse Osmosis



Desalitech's ReFlex products with patented CCRO technology establish a new benchmark for reverse osmosis performance. ReFlex systems incorporate standard RO components in revolutionary process designs that significantly improve RO efficiency, flexibility and reliability.

The CCRO systems work by circulating water through a single stage of membrane elements until the desired recovery level is achieved instead of using complex traditional multiple stage methods. Brine is periodically replaced with fresh feedwater without stopping permeate flow. Recovery is flexible and can be set at the system control panel. Over 97% recovery has been demonstrated in single stage ReFlex systems, reducing brine waste by 50% - 75%.

ReFlex products operate reliably on feedwaters that challenge traditional RO systems. The cross flow required for ReFlex RO membrane operation is controlled with an internal circulation pump. Frequent and complete brine flushing prevents scale precipitation and disrupts bio fouling, making very high recovery rates possible even from mineral-laden or contaminated feedwaters. In addition, ReFlex products offer unmatched flexibility. Permeate flow, cross flow velocity and system recovery are independently controlled, supporting process optimization.