

MGR MOVEX™ Technology

Ion exchanger with external regeneration for ultrapure water production

Key features & benefits

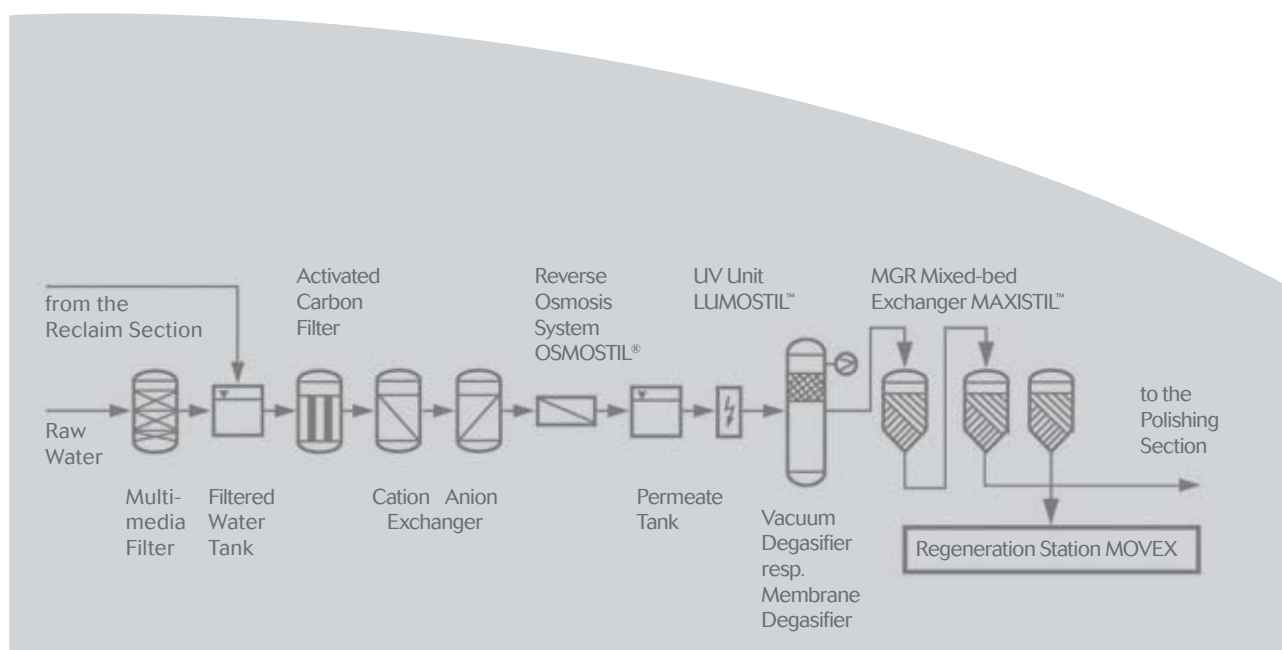
- Fully automated
- No chemicals in process stream
- Long life for resin and other components
- High degree of quality monitoring prevents undetected bed exhaustion
- 100% redundancy with 3 X 100% vessel capacity design

How we create value

- Lower operating cost
- Reduced rinse and waste water volumes
- Excellent protection for downstream polishing equipment
- Excellent effluent water quality especially for boron control



MGR MOVEX™ Technology



Today's MGR MOVEX™ technology is based on the pioneering work of Ovivo's heritage brand engineers dating back to 1948. Having built hundreds of mixed-bed filters for ultrapure water production, we are able to offer our clients the benefit of our technical expertise, acquired over a continuous program of product improvement of more than half a century's duration.

Ovivo hold patents for a number of process enhancements including separate pure water collection, chemical distribution systems, the raw water resin regeneration process and the external regeneration system

known as MOVEX. Using the MGR MOVEX system, exhausted ion exchange resins are transported into special vessels where a higher degree of regeneration is possible and contamination of the pure water by regenerants is entirely avoided.

Ovivo product developments ensure:

- Consistent pure and ultrapure water quality
- Low volumes of regenerant wastewater
- Optimized regenerant consumption
- Pre-neutralized water
- Prevention of ultrapure water contamination by chemicals

Water is purified almost to the highest theoretical level of resistivity by mixed bed ion exchangers (MAXISTIL™ units) which are operated in a Merry-Go-Round (MGR) arrangement and regenerated externally in the MOVEX™ system.