

Desalination Plants Experience - Safe and reliable water throughout the world -

The rising world population is creating water shortage problems. We are building desalination plants to provide the world with safe and reliable water supplies.

Starting with the first desalination plant in 1971, we have installed 45 plants to date, mainly in Japan and the Middle East, with a combined output of approx. 2 million cubic meters per day.



Desalination process	Benefits	Record of delivery (As of Marh31,2020)
Reverse osmosis (RO)	<ul style="list-style-type: none"> The most energy-efficient process Simple configuration can be installed relatively and quickly 	<ul style="list-style-type: none"> Total records : 20 plants Number of the total units : 36 units Total water production: 280,980m³/day <p>* Besides the above, our subsidiary, Osmoflo has over 450 project experience all over the globe.</p>
Multi-stage flash (MSF)	<ul style="list-style-type: none"> Used in many desalination plants, suitable for large-scale installations Performance efficiency and output water quality is relatively unaffected by fluctuations in input seawater quality (such as salt concentration and turbidity) 	<ul style="list-style-type: none"> Total records : 17 plants Number of the total units : 49 units Total water production: 1,664,997m³/day
Multiple effect distillation (MED)	<ul style="list-style-type: none"> Good heat transfer efficiency: uses 40% less energy than reverse osmosis membrane method Performance efficiency and output water quality is relatively unaffected by fluctuations in input seawater quality (such as salt concentration and turbidity) 	<ul style="list-style-type: none"> Total records : 9 plants Number of the total units : 9 units Total water production: 10,800m³/day