

# The Perth Seawater Desalination Plant

## What is desalination?

Desalination is a process that separates dissolved minerals and impurities from seawater or other salty water.

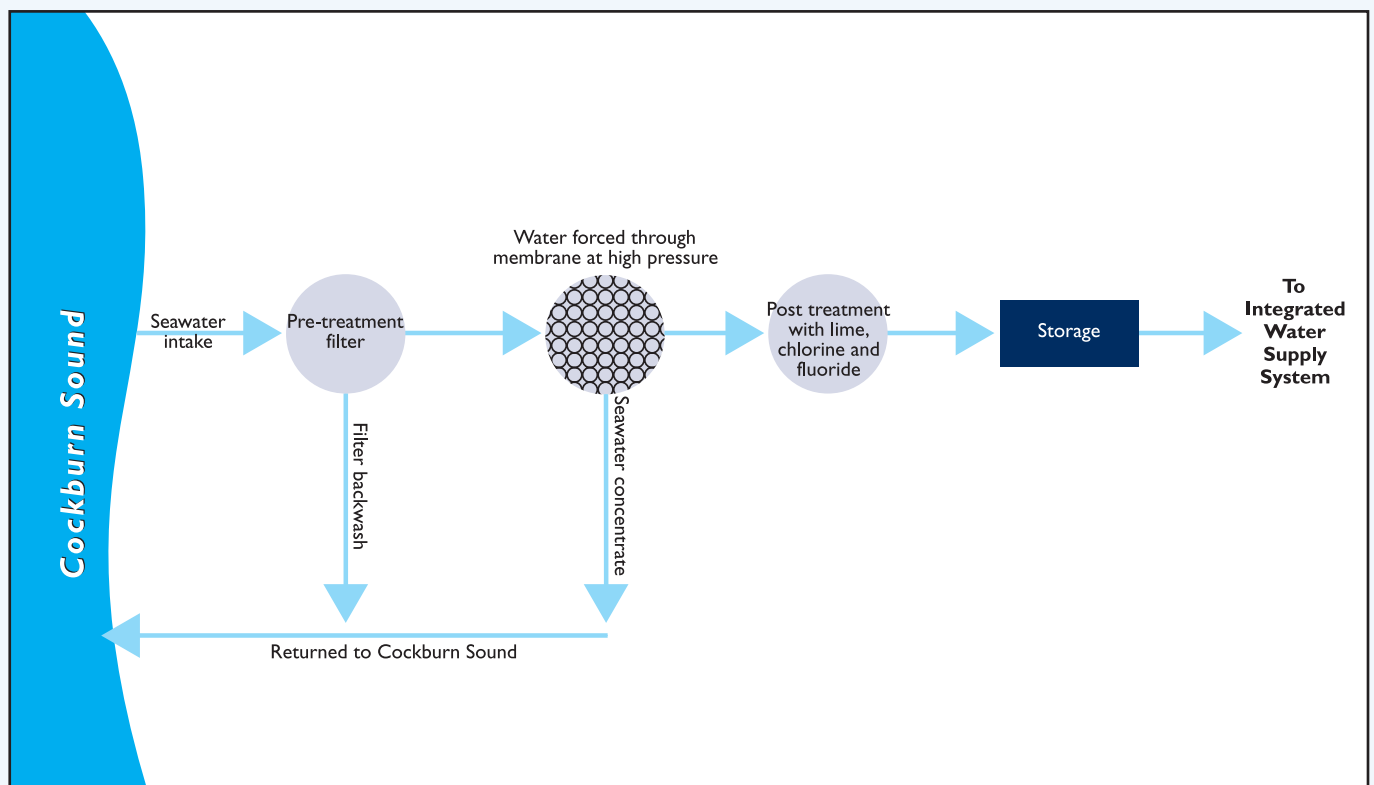
Desalination is commonly used in dry climates such as the Middle East, Spain, Malta, Cyprus and in parts of the United States where traditional water supplies, such as dams or pumping from groundwater, are limited.

Reverse Osmosis is the desalination process that has been chosen for the Perth Seawater Desalination Plant because it is the most economical and environmentally friendly.

Reverse Osmosis is a process in which seawater diffuses through a membrane under high pressure, removing salts and impurities to ensure the water is suitable for drinking.

It is used on most ocean-going vessels (including cruise ships and navy vessels) and by industries that require very pure water. The Swan Brewery, for instance, uses the Reverse Osmosis technique at its Canning Vale plant.

Desalination is a proven technology capable of delivering large quantities of water independent of the weather.



*The desalination process.*