

Water Data required for Reverse Osmosis design

This is information that we need in order to assess your needs in R.O. treatment of water

Treated Water Quality Requirement:

Product water flow: Litres/hour or M³/Day
Total Dissolved Solids ppm; or Conductivity μ S/cm
Application Involved:

Feed water characteristics:

Water Temperature: Min. °C; Max. °C
Quantity feed water available: Litres/hour at a pressure of kPa

Feed water analysis: The following analysis will be used to predict precipitation in the Reverse Osmosis concentrate stream and to optimise a design that avoids fouling and scale deposition causing premature membrane failure. A complete and accurate analysis is essential.

Conductivity:	μ S/cm	Total Dissolved Solids:	mg/L
Turbidity:	NTU	Total Suspended Solids:	mg/L
pH range:		Total Organic Carbon:	mg/L
Chlorine:		Bromine:	

Cations in mg/L:	Anions in mg/L:
Aluminium	Carbonate
Ammonium	Bicarbonate
Barium	Bromide
Calcium	Chloride
Iron	Fluoride
Magnesium	Nitrate
Manganese	Phosphate
Potassium	Silica
Sodium	Sulphate
Strontium	

List all chemical additives added to the feed water such as:

Polymeric coagulants; cationic polymers; acrylic or methacrylic acid; alum, PAC, ferric salts, polyelectrolytic polymer; aromatic hydrocarbons; aliphatic hydrocarbons; ketones, esters, quaternary ammonium compounds such as benzylkonium chloride; silicon antifoams.