

## ZI-CHEM 6100

### Reverse Osmosis Deposit Control

#### HIGHLIGHTS

ZI-CHEM 6100 antiscalant is a highly effective scale control agent designed for use with reverse osmosis systems.

This product is specifically targets scale deposition of many common compounds including calcium carbonate, calcium sulphate, barium sulphate, calcium fluoride. It also disperses colloidal silica that is present in some feed waters.

Other primary features include:

- The most effective product when high concentrations of calcium hardness are present
- Functions over all normally encountered pH ranges
- Functions over all temperature ranges used for RO plants

#### TYPICAL PROPERTIES

- Appearance: Clear to pale yellow liquid
- Specific gravity: 1.4 – 1.5
- pH (1% sol): 2.0 max
- Freeze point: 0 °C
- Viscosity @ 25 °C 38 cps

#### PRIMARY APPLICATIONS

The application rates of ZI-CHEM 6100 will vary based on the incoming water quality, operating pressure of the RO plant and condition and age of the membranes. Normal feed rates are between 3.0 and 6.0 mg/L of feedwater. Your ZI-TECH technical field representative will determine the correct feed rate for your specific conditions.

#### FEEDING & CONTROL

ZI-CHEM 6100 should be added using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, Viton, Teflon and stainless steel.

Recommended injection point is after prefilter, upstream of feedwater pressure pump.

#### THE BENEFITS

- Increased permeate production
- Higher flux rates across membranes
- Eliminate downtime for cleaning
- High quality permeate

#### COMMON APPLICATIONS

- BWRO Plant
- SWRO Plant

#### PACKAGING

- 30kg pails
- 240kg drums
- 1,200kg IBC's or in bulk

#### HANDLING & SAFETY

ZI-TECHASIA maintains a database of material safety data sheets (MSDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

